

Supplementary Table S1. Different methylation level of chromosome in chromatin between the *Gmdrm* mutant, the *Gmcmt* mutant and WT.

Sample	Ctype	Chr	Genotype	C_NmC	C_NC	Methylation
<i>Gmdrm</i>	CHG	Gm01	euchromatin	4114250	17419558	0.24
<i>Gmdrm</i>	CHG	Gm02	euchromatin	1642425	17282191	0.10
<i>Gmdrm</i>	CHG	Gm03	euchromatin	2694470	15995761	0.17
<i>Gmdrm</i>	CHG	Gm04	euchromatin	2345752	14776033	0.16
<i>Gmdrm</i>	CHG	Gm05	euchromatin	1802146	14319604	0.13
<i>Gmdrm</i>	CHG	Gm06	euchromatin	2490379	18875447	0.13
<i>Gmdrm</i>	CHG	Gm07	euchromatin	1592266	13803327	0.12
<i>Gmdrm</i>	CHG	Gm08	euchromatin	2110274	21449729	0.10
<i>Gmdrm</i>	CHG	Gm09	euchromatin	3189265	18040464	0.18
<i>Gmdrm</i>	CHG	Gm10	euchromatin	1303130	15021531	0.09
<i>Gmdrm</i>	CHG	Gm11	euchromatin	2048447	15786082	0.13
<i>Gmdrm</i>	CHG	Gm12	euchromatin	2404713	19344858	0.12
<i>Gmdrm</i>	CHG	Gm13	euchromatin	1920313	21504784	0.09
<i>Gmdrm</i>	CHG	Gm14	euchromatin	2417480	12692963	0.19
<i>Gmdrm</i>	CHG	Gm15	euchromatin	2536063	16869064	0.15
<i>Gmdrm</i>	CHG	Gm16	euchromatin	1239452	12893792	0.10
<i>Gmdrm</i>	CHG	Gm17	euchromatin	1825495	15083991	0.12
<i>Gmdrm</i>	CHG	Gm18	euchromatin	4875032	20145134	0.24
<i>Gmdrm</i>	CHG	Gm19	euchromatin	4222951	19302482	0.22
<i>Gmdrm</i>	CHG	Gm20	euchromatin	1435132	12923990	0.11
<i>Gmdrm</i>	CHG	Average	euchromatin	48209435	333530785	0.14
<i>Gmdrm</i>	CHG	Gm01	heterochromatin	7394050	13273188	0.56
<i>Gmdrm</i>	CHG	Gm02	heterochromatin	6049227	10544982	0.57
<i>Gmdrm</i>	CHG	Gm03	heterochromatin	4685052	8286166	0.57
<i>Gmdrm</i>	CHG	Gm04	heterochromatin	7132106	13201000	0.54
<i>Gmdrm</i>	CHG	Gm05	heterochromatin	5063265	9193326	0.55
<i>Gmdrm</i>	CHG	Gm06	heterochromatin	5110056	9245564	0.55
<i>Gmdrm</i>	CHG	Gm07	heterochromatin	5493341	11052412	0.50
<i>Gmdrm</i>	CHG	Gm08	heterochromatin	3707197	6518668	0.57
<i>Gmdrm</i>	CHG	Gm09	heterochromatin	5124911	9177588	0.56
<i>Gmdrm</i>	CHG	Gm10	heterochromatin	7839867	14012510	0.56
<i>Gmdrm</i>	CHG	Gm11	heterochromatin	3943895	7234522	0.55
<i>Gmdrm</i>	CHG	Gm12	heterochromatin	4558367	8201386	0.56
<i>Gmdrm</i>	CHG	Gm13	heterochromatin	3089483	6174558	0.50
<i>Gmdrm</i>	CHG	Gm14	heterochromatin	7173738	13058501	0.55
<i>Gmdrm</i>	CHG	Gm15	heterochromatin	6460007	13627262	0.47
<i>Gmdrm</i>	CHG	Gm16	heterochromatin	4588064	8311747	0.55
<i>Gmdrm</i>	CHG	Gm17	heterochromatin	4624275	9111204	0.51
<i>Gmdrm</i>	CHG	Gm18	heterochromatin	6152180	12623425	0.49
<i>Gmdrm</i>	CHG	Gm19	heterochromatin	4714078	7541483	0.63
<i>Gmdrm</i>	CHG	Gm20	heterochromatin	7412926	13721363	0.54
<i>Gmdrm</i>	CHG	Average	heterochromatin	110316085	204110855	0.54
WT	CHG	Gm01	euchromatin	5433136	20034968	0.27
WT	CHG	Gm02	euchromatin	2499524	19529049	0.13

WT	CHG	Gm03	euchromatin	3788916	18362061	0.21
WT	CHG	Gm04	euchromatin	3242027	16820294	0.19
WT	CHG	Gm05	euchromatin	2585026	16276737	0.16
WT	CHG	Gm06	euchromatin	3509071	21396076	0.16
WT	CHG	Gm07	euchromatin	2304477	15674333	0.15
WT	CHG	Gm08	euchromatin	3131723	24214932	0.13
WT	CHG	Gm09	euchromatin	4332704	20590130	0.21
WT	CHG	Gm10	euchromatin	1926399	16903106	0.11
WT	CHG	Gm11	euchromatin	2896563	17880924	0.16
WT	CHG	Gm12	euchromatin	3262469	21594471	0.15
WT	CHG	Gm13	euchromatin	2980271	24301580	0.12
WT	CHG	Gm14	euchromatin	3278941	14560130	0.23
WT	CHG	Gm15	euchromatin	3483431	19146244	0.18
WT	CHG	Gm16	euchromatin	1976432	14518228	0.14
WT	CHG	Gm17	euchromatin	2604111	17118192	0.15
WT	CHG	Gm18	euchromatin	6466681	23318645	0.28
WT	CHG	Gm19	euchromatin	5647408	22141301	0.26
WT	CHG	Gm20	euchromatin	2056339	14479594	0.14
WT	CHG	Average	euchromatin	67405649	378860995	0.18
WT	CHG	Gm01	heterochromatin	9584360	16678084	0.57
WT	CHG	Gm02	heterochromatin	7816349	13276737	0.59
WT	CHG	Gm03	heterochromatin	6117900	10479373	0.58
WT	CHG	Gm04	heterochromatin	9255301	16511857	0.56
WT	CHG	Gm05	heterochromatin	6562718	11511509	0.57
WT	CHG	Gm06	heterochromatin	6644408	11671705	0.57
WT	CHG	Gm07	heterochromatin	7141430	13671183	0.52
WT	CHG	Gm08	heterochromatin	4846548	8268404	0.59
WT	CHG	Gm09	heterochromatin	6583601	11503171	0.57
WT	CHG	Gm10	heterochromatin	10062789	17502909	0.57
WT	CHG	Gm11	heterochromatin	5156958	9101535	0.57
WT	CHG	Gm12	heterochromatin	5923247	10389256	0.57
WT	CHG	Gm13	heterochromatin	3959898	7632855	0.52
WT	CHG	Gm14	heterochromatin	9285589	16298312	0.57
WT	CHG	Gm15	heterochromatin	8503540	16925011	0.50
WT	CHG	Gm16	heterochromatin	5954248	10467202	0.57
WT	CHG	Gm17	heterochromatin	6037630	11409464	0.53
WT	CHG	Gm18	heterochromatin	7960245	15592737	0.51
WT	CHG	Gm19	heterochromatin	6193556	9811622	0.63
WT	CHG	Gm20	heterochromatin	9603625	17124551	0.56
WT	CHG	Average	heterochromatin	143193940	255827477	0.56
<i>Gmcmt</i>	CHG	Gm01	euchromatin	3733856	19575771	0.19
<i>Gmcmt</i>	CHG	Gm02	euchromatin	1725996	19383664	0.09
<i>Gmcmt</i>	CHG	Gm03	euchromatin	2529065	18035924	0.14
<i>Gmcmt</i>	CHG	Gm04	euchromatin	2208938	16726082	0.13
<i>Gmcmt</i>	CHG	Gm05	euchromatin	1798911	16219847	0.11
<i>Gmcmt</i>	CHG	Gm06	euchromatin	2404047	21239483	0.11
<i>Gmcmt</i>	CHG	Gm07	euchromatin	1615715	15535159	0.10

<i>Gmcmt</i>	CHG	Gm08	euchromatin	2138233	24185343	0.09
<i>Gmcmt</i>	CHG	Gm09	euchromatin	2980517	20337672	0.15
<i>Gmcmt</i>	CHG	Gm10	euchromatin	1341084	16921350	0.08
<i>Gmcmt</i>	CHG	Gm11	euchromatin	2023210	17737218	0.11
<i>Gmcmt</i>	CHG	Gm12	euchromatin	2293100	20820164	0.11
<i>Gmcmt</i>	CHG	Gm13	euchromatin	2064961	24207794	0.09
<i>Gmcmt</i>	CHG	Gm14	euchromatin	2283281	14362228	0.16
<i>Gmcmt</i>	CHG	Gm15	euchromatin	2335459	18632813	0.13
<i>Gmcmt</i>	CHG	Gm16	euchromatin	1331765	14390891	0.09
<i>Gmcmt</i>	CHG	Gm17	euchromatin	1806882	17077424	0.11
<i>Gmcmt</i>	CHG	Gm18	euchromatin	4444540	22935904	0.19
<i>Gmcmt</i>	CHG	Gm19	euchromatin	3799450	21877623	0.17
<i>Gmcmt</i>	CHG	Gm20	euchromatin	1432641	14559294	0.10
<i>Gmcmt</i>	CHG	Average	euchromatin	46291651	374761648	0.12
<i>Gmcmt</i>	CHG	Gm01	heterochromatin	6627921	16046210	0.41
<i>Gmcmt</i>	CHG	Gm02	heterochromatin	5360146	12811607	0.42
<i>Gmcmt</i>	CHG	Gm03	heterochromatin	4264632	10060541	0.42
<i>Gmcmt</i>	CHG	Gm04	heterochromatin	6281510	15861764	0.40
<i>Gmcmt</i>	CHG	Gm05	heterochromatin	4581216	11111604	0.41
<i>Gmcmt</i>	CHG	Gm06	heterochromatin	4622221	11209714	0.41
<i>Gmcmt</i>	CHG	Gm07	heterochromatin	4919218	13212915	0.37
<i>Gmcmt</i>	CHG	Gm08	heterochromatin	3343072	7952503	0.42
<i>Gmcmt</i>	CHG	Gm09	heterochromatin	4618641	11099971	0.42
<i>Gmcmt</i>	CHG	Gm10	heterochromatin	6655190	16831354	0.40
<i>Gmcmt</i>	CHG	Gm11	heterochromatin	3530384	8705435	0.41
<i>Gmcmt</i>	CHG	Gm12	heterochromatin	4097989	9979779	0.41
<i>Gmcmt</i>	CHG	Gm13	heterochromatin	2685011	7367186	0.36
<i>Gmcmt</i>	CHG	Gm14	heterochromatin	6377815	15746349	0.41
<i>Gmcmt</i>	CHG	Gm15	heterochromatin	5654738	16180263	0.35
<i>Gmcmt</i>	CHG	Gm16	heterochromatin	4262499	10122002	0.42
<i>Gmcmt</i>	CHG	Gm17	heterochromatin	4097277	10882031	0.38
<i>Gmcmt</i>	CHG	Gm18	heterochromatin	5350081	14812010	0.36
<i>Gmcmt</i>	CHG	Gm19	heterochromatin	4226748	9440151	0.45
<i>Gmcmt</i>	CHG	Gm20	heterochromatin	6491633	16470923	0.39
<i>Gmcmt</i>	CHG	Average	heterochromatin	98047942	245904312	0.40
<i>Gmdrm</i>	CHH	Gm01	euchromatin	3918792	120084551	0.03
<i>Gmdrm</i>	CHH	Gm02	euchromatin	2055907	115038888	0.02
<i>Gmdrm</i>	CHH	Gm03	euchromatin	2776701	107797290	0.03
<i>Gmdrm</i>	CHH	Gm04	euchromatin	2479209	97232270	0.03
<i>Gmdrm</i>	CHH	Gm05	euchromatin	1965170	92759449	0.02
<i>Gmdrm</i>	CHH	Gm06	euchromatin	2711523	124317873	0.02
<i>Gmdrm</i>	CHH	Gm07	euchromatin	1899042	91752273	0.02
<i>Gmdrm</i>	CHH	Gm08	euchromatin	2581535	139731821	0.02
<i>Gmdrm</i>	CHH	Gm09	euchromatin	3227272	120062277	0.03
<i>Gmdrm</i>	CHH	Gm10	euchromatin	1590770	95263452	0.02
<i>Gmdrm</i>	CHH	Gm11	euchromatin	2279604	102049877	0.02
<i>Gmdrm</i>	CHH	Gm12	euchromatin	2650895	123546022	0.02

<i>Gmdrm</i>	CHH	Gm13	euchromatin	2541149	142250786	0.02
<i>Gmdrm</i>	CHH	Gm14	euchromatin	2390550	87148367	0.03
<i>Gmdrm</i>	CHH	Gm15	euchromatin	2820491	117058646	0.02
<i>Gmdrm</i>	CHH	Gm16	euchromatin	1561457	88951538	0.02
<i>Gmdrm</i>	CHH	Gm17	euchromatin	2062891	98371066	0.02
<i>Gmdrm</i>	CHH	Gm18	euchromatin	4712036	139588979	0.03
<i>Gmdrm</i>	CHH	Gm19	euchromatin	4181401	132181746	0.03
<i>Gmdrm</i>	CHH	Gm20	euchromatin	1624806	82565979	0.02
<i>Gmdrm</i>	CHH	Average	euchromatin	52031201	2217753150	0.02
<i>Gmdrm</i>	CHH	Gm01	heterochromatin	6315674	100857284	0.06
<i>Gmdrm</i>	CHH	Gm02	heterochromatin	4923858	78221513	0.06
<i>Gmdrm</i>	CHH	Gm03	heterochromatin	3889776	61525102	0.06
<i>Gmdrm</i>	CHH	Gm04	heterochromatin	5741047	95446896	0.06
<i>Gmdrm</i>	CHH	Gm05	heterochromatin	3995480	65902992	0.06
<i>Gmdrm</i>	CHH	Gm06	heterochromatin	4133325	66200604	0.06
<i>Gmdrm</i>	CHH	Gm07	heterochromatin	4426319	77864102	0.06
<i>Gmdrm</i>	CHH	Gm08	heterochromatin	3019775	47197815	0.06
<i>Gmdrm</i>	CHH	Gm09	heterochromatin	4130633	66678760	0.06
<i>Gmdrm</i>	CHH	Gm10	heterochromatin	6194109	99668066	0.06
<i>Gmdrm</i>	CHH	Gm11	heterochromatin	3046875	49631218	0.06
<i>Gmdrm</i>	CHH	Gm12	heterochromatin	3594247	58036764	0.06
<i>Gmdrm</i>	CHH	Gm13	heterochromatin	2621092	43794203	0.06
<i>Gmdrm</i>	CHH	Gm14	heterochromatin	5884237	96876440	0.06
<i>Gmdrm</i>	CHH	Gm15	heterochromatin	5463689	98082722	0.06
<i>Gmdrm</i>	CHH	Gm16	heterochromatin	3963932	61332400	0.06
<i>Gmdrm</i>	CHH	Gm17	heterochromatin	3703962	62722104	0.06
<i>Gmdrm</i>	CHH	Gm18	heterochromatin	5144299	92720414	0.06
<i>Gmdrm</i>	CHH	Gm19	heterochromatin	3669164	54676673	0.07
<i>Gmdrm</i>	CHH	Gm20	heterochromatin	5912015	97817142	0.06
<i>Gmdrm</i>	CHH	Average	heterochromatin	89773508	1475253214	0.06
WT	CHH	Gm01	euchromatin	5294271	140477629	0.04
WT	CHH	Gm02	euchromatin	3220398	132683827	0.02
WT	CHH	Gm03	euchromatin	3982672	126025545	0.03
WT	CHH	Gm04	euchromatin	3567880	113098314	0.03
WT	CHH	Gm05	euchromatin	2925055	107578457	0.03
WT	CHH	Gm06	euchromatin	3988613	143752793	0.03
WT	CHH	Gm07	euchromatin	2868048	106467830	0.03
WT	CHH	Gm08	euchromatin	3997215	161130585	0.02
WT	CHH	Gm09	euchromatin	4524197	139945590	0.03
WT	CHH	Gm10	euchromatin	2460950	109570336	0.02
WT	CHH	Gm11	euchromatin	3336318	118090013	0.03
WT	CHH	Gm12	euchromatin	3711008	141339202	0.03
WT	CHH	Gm13	euchromatin	4110426	164124325	0.03
WT	CHH	Gm14	euchromatin	3336513	101874122	0.03
WT	CHH	Gm15	euchromatin	3953675	135461223	0.03
WT	CHH	Gm16	euchromatin	2416948	102212186	0.02
WT	CHH	Gm17	euchromatin	3069672	114051078	0.03

WT	CHH	Gm18	euchromatin	6391624	164496413	0.04
WT	CHH	Gm19	euchromatin	5716045	154662449	0.04
WT	CHH	Gm20	euchromatin	2429775	94506093	0.03
WT	CHH	Average	euchromatin	75301303	2571548010	0.03
WT	CHH	Gm01	heterochromatin	8064875	126973398	0.06
WT	CHH	Gm02	heterochromatin	6241256	98502842	0.06
WT	CHH	Gm03	heterochromatin	5003297	77987533	0.06
WT	CHH	Gm04	heterochromatin	7307274	119632532	0.06
WT	CHH	Gm05	heterochromatin	5092213	82553556	0.06
WT	CHH	Gm06	heterochromatin	5244716	83552322	0.06
WT	CHH	Gm07	heterochromatin	5724692	96847157	0.06
WT	CHH	Gm08	heterochromatin	3889382	59982391	0.06
WT	CHH	Gm09	heterochromatin	5210129	83608177	0.06
WT	CHH	Gm10	heterochromatin	7816773	124891564	0.06
WT	CHH	Gm11	heterochromatin	3949178	62729446	0.06
WT	CHH	Gm12	heterochromatin	4608456	73453562	0.06
WT	CHH	Gm13	heterochromatin	3253701	54136895	0.06
WT	CHH	Gm14	heterochromatin	7488637	121224834	0.06
WT	CHH	Gm15	heterochromatin	7022568	122468208	0.06
WT	CHH	Gm16	heterochromatin	5072897	77377402	0.07
WT	CHH	Gm17	heterochromatin	4740018	78933098	0.06
WT	CHH	Gm18	heterochromatin	6526933	114507893	0.06
WT	CHH	Gm19	heterochromatin	4739648	70923815	0.07
WT	CHH	Gm20	heterochromatin	7546026	122625829	0.06
WT	CHH	Average	heterochromatin	114542669	1852912454	0.06
<i>Gmcmt</i>	CHH	Gm01	euchromatin	1485841	133924222	0.01
<i>Gmcmt</i>	CHH	Gm02	euchromatin	1409460	128221375	0.01
<i>Gmcmt</i>	CHH	Gm03	euchromatin	1362717	120730845	0.01
<i>Gmcmt</i>	CHH	Gm04	euchromatin	1230574	109363040	0.01
<i>Gmcmt</i>	CHH	Gm05	euchromatin	1146810	104197267	0.01
<i>Gmcmt</i>	CHH	Gm06	euchromatin	1537427	138943211	0.01
<i>Gmcmt</i>	CHH	Gm07	euchromatin	1151074	102489676	0.01
<i>Gmcmt</i>	CHH	Gm08	euchromatin	1709871	156566014	0.01
<i>Gmcmt</i>	CHH	Gm09	euchromatin	1491302	134817776	0.01
<i>Gmcmt</i>	CHH	Gm10	euchromatin	1139763	106716670	0.01
<i>Gmcmt</i>	CHH	Gm11	euchromatin	1246917	114113211	0.01
<i>Gmcmt</i>	CHH	Gm12	euchromatin	1371920	132853040	0.01
<i>Gmcmt</i>	CHH	Gm13	euchromatin	1827897	158941600	0.01
<i>Gmcmt</i>	CHH	Gm14	euchromatin	1095123	97980800	0.01
<i>Gmcmt</i>	CHH	Gm15	euchromatin	1359530	128041508	0.01
<i>Gmcmt</i>	CHH	Gm16	euchromatin	1033061	98647044	0.01
<i>Gmcmt</i>	CHH	Gm17	euchromatin	1224229	110615601	0.01
<i>Gmcmt</i>	CHH	Gm18	euchromatin	1805855	158013847	0.01
<i>Gmcmt</i>	CHH	Gm19	euchromatin	1675256	148964890	0.01
<i>Gmcmt</i>	CHH	Gm20	euchromatin	1007723	92424345	0.01
<i>Gmcmt</i>	CHH	Average	euchromatin	27312350	2476565982	0.01
<i>Gmcmt</i>	CHH	Gm01	heterochromatin	1310270	120665156	0.01

<i>Gmcmt</i>	CHH	Gm02	heterochromatin	1025910	93970200	0.01
<i>Gmcmt</i>	CHH	Gm03	heterochromatin	849988	73945854	0.01
<i>Gmcmt</i>	CHH	Gm04	heterochromatin	1191937	113737226	0.01
<i>Gmcmt</i>	CHH	Gm05	heterochromatin	849433	78785372	0.01
<i>Gmcmt</i>	CHH	Gm06	heterochromatin	858938	79418570	0.01
<i>Gmcmt</i>	CHH	Gm07	heterochromatin	1048660	92199063	0.01
<i>Gmcmt</i>	CHH	Gm08	heterochromatin	619202	57087001	0.01
<i>Gmcmt</i>	CHH	Gm09	heterochromatin	876310	79674573	0.01
<i>Gmcmt</i>	CHH	Gm10	heterochromatin	1274757	118684315	0.01
<i>Gmcmt</i>	CHH	Gm11	heterochromatin	674579	59307145	0.01
<i>Gmcmt</i>	CHH	Gm12	heterochromatin	763010	69878460	0.01
<i>Gmcmt</i>	CHH	Gm13	heterochromatin	568514	51530987	0.01
<i>Gmcmt</i>	CHH	Gm14	heterochromatin	1237195	115589049	0.01
<i>Gmcmt</i>	CHH	Gm15	heterochromatin	1219747	115854984	0.01
<i>Gmcmt</i>	CHH	Gm16	heterochromatin	828588	73672592	0.01
<i>Gmcmt</i>	CHH	Gm17	heterochromatin	796988	74589475	0.01
<i>Gmcmt</i>	CHH	Gm18	heterochromatin	1122349	107482501	0.01
<i>Gmcmt</i>	CHH	Gm19	heterochromatin	726182	67613888	0.01
<i>Gmcmt</i>	CHH	Gm20	heterochromatin	1258832	116732676	0.01
<i>Gmcmt</i>	CHH	Average	heterochromatin	19101389	1760419087	0.01
<i>Gmdrm</i>	CG	Gm01	euchromatin	4785039	12926034	0.37
<i>Gmdrm</i>	CG	Gm02	euchromatin	2670727	11433940	0.23
<i>Gmdrm</i>	CG	Gm03	euchromatin	3578538	11208021	0.32
<i>Gmdrm</i>	CG	Gm04	euchromatin	3111441	10090811	0.31
<i>Gmdrm</i>	CG	Gm05	euchromatin	2600612	9476658	0.27
<i>Gmdrm</i>	CG	Gm06	euchromatin	3597647	12819845	0.28
<i>Gmdrm</i>	CG	Gm07	euchromatin	2370678	9122128	0.26
<i>Gmdrm</i>	CG	Gm08	euchromatin	3448374	13645027	0.25
<i>Gmdrm</i>	CG	Gm09	euchromatin	4136471	11922009	0.35
<i>Gmdrm</i>	CG	Gm10	euchromatin	2176643	9594195	0.23
<i>Gmdrm</i>	CG	Gm11	euchromatin	2892955	10922527	0.26
<i>Gmdrm</i>	CG	Gm12	euchromatin	3165932	15653820	0.20
<i>Gmdrm</i>	CG	Gm13	euchromatin	3156637	14382624	0.22
<i>Gmdrm</i>	CG	Gm14	euchromatin	3088870	8656003	0.36
<i>Gmdrm</i>	CG	Gm15	euchromatin	3400829	12046956	0.28
<i>Gmdrm</i>	CG	Gm16	euchromatin	2334806	8587631	0.27
<i>Gmdrm</i>	CG	Gm17	euchromatin	2626316	10154571	0.26
<i>Gmdrm</i>	CG	Gm18	euchromatin	5912128	13476766	0.44
<i>Gmdrm</i>	CG	Gm19	euchromatin	5225045	13204404	0.40
<i>Gmdrm</i>	CG	Gm20	euchromatin	2194257	8279070	0.27
<i>Gmdrm</i>	CG	Average	euchromatin	66473945	227603040	0.29
<i>Gmdrm</i>	CG	Gm01	heterochromatin	9002000	11317018	0.80
<i>Gmdrm</i>	CG	Gm02	heterochromatin	7129638	8725265	0.82
<i>Gmdrm</i>	CG	Gm03	heterochromatin	5356177	6625161	0.81
<i>Gmdrm</i>	CG	Gm04	heterochromatin	8440486	10765879	0.78
<i>Gmdrm</i>	CG	Gm05	heterochromatin	6252722	8063241	0.78
<i>Gmdrm</i>	CG	Gm06	heterochromatin	6322407	7659463	0.83

<i>Gmdrm</i>	CG	Gm07	heterochromatin	6606111	9018776	0.73
<i>Gmdrm</i>	CG	Gm08	heterochromatin	4384144	5408579	0.81
<i>Gmdrm</i>	CG	Gm09	heterochromatin	6140830	7604222	0.81
<i>Gmdrm</i>	CG	Gm10	heterochromatin	8772152	10879505	0.81
<i>Gmdrm</i>	CG	Gm11	heterochromatin	4629669	5740628	0.81
<i>Gmdrm</i>	CG	Gm12	heterochromatin	5465524	6948057	0.79
<i>Gmdrm</i>	CG	Gm13	heterochromatin	4031215	5515966	0.73
<i>Gmdrm</i>	CG	Gm14	heterochromatin	8318705	10769473	0.77
<i>Gmdrm</i>	CG	Gm15	heterochromatin	8406298	11390547	0.74
<i>Gmdrm</i>	CG	Gm16	heterochromatin	5554357	6811691	0.82
<i>Gmdrm</i>	CG	Gm17	heterochromatin	5359672	7392302	0.73
<i>Gmdrm</i>	CG	Gm18	heterochromatin	7516255	10629730	0.71
<i>Gmdrm</i>	CG	Gm19	heterochromatin	5894547	6648386	0.89
<i>Gmdrm</i>	CG	Gm20	heterochromatin	9147770	11885920	0.77
<i>Gmdrm</i>	CG	Average	heterochromatin	132730679	169799809	0.78
WT	CG	Gm01	euchromatin	6258871	14990931	0.42
WT	CG	Gm02	euchromatin	3616664	13091253	0.28
WT	CG	Gm03	euchromatin	4796713	13015608	0.37
WT	CG	Gm04	euchromatin	4096145	11669814	0.35
WT	CG	Gm05	euchromatin	3496568	10959992	0.32
WT	CG	Gm06	euchromatin	4774339	14749320	0.32
WT	CG	Gm07	euchromatin	3212606	10538587	0.30
WT	CG	Gm08	euchromatin	4640104	15677727	0.30
WT	CG	Gm09	euchromatin	5415251	13820624	0.39
WT	CG	Gm10	euchromatin	2900019	10983944	0.26
WT	CG	Gm11	euchromatin	3885099	12605973	0.31
WT	CG	Gm12	euchromatin	4179373	17571398	0.24
WT	CG	Gm13	euchromatin	4373777	16497626	0.27
WT	CG	Gm14	euchromatin	4092633	10114149	0.40
WT	CG	Gm15	euchromatin	4475006	13874676	0.32
WT	CG	Gm16	euchromatin	3134092	9773057	0.32
WT	CG	Gm17	euchromatin	3549210	11723341	0.30
WT	CG	Gm18	euchromatin	7694789	15905225	0.48
WT	CG	Gm19	euchromatin	6857372	15423322	0.44
WT	CG	Gm20	euchromatin	2870961	9430330	0.30
WT	CG	Average	euchromatin	88319592	262416897	0.34
WT	CG	Gm01	heterochromatin	11994468	14534339	0.83
WT	CG	Gm02	heterochromatin	9504310	11279225	0.84
WT	CG	Gm03	heterochromatin	7198203	8594939	0.84
WT	CG	Gm04	heterochromatin	11337327	13914757	0.81
WT	CG	Gm05	heterochromatin	8366636	10318019	0.81
WT	CG	Gm06	heterochromatin	8486943	9961999	0.85
WT	CG	Gm07	heterochromatin	8896662	11500201	0.77
WT	CG	Gm08	heterochromatin	5963294	7087165	0.84
WT	CG	Gm09	heterochromatin	8214390	9806250	0.84
WT	CG	Gm10	heterochromatin	11598130	13947545	0.83
WT	CG	Gm11	heterochromatin	6233666	7471561	0.83

WT	CG	Gm12	heterochromatin	7388638	9041115	0.82
WT	CG	Gm13	heterochromatin	5351308	6981217	0.77
WT	CG	Gm14	heterochromatin	11120175	13740834	0.81
WT	CG	Gm15	heterochromatin	11171415	14507544	0.77
WT	CG	Gm16	heterochromatin	7440329	8840299	0.84
WT	CG	Gm17	heterochromatin	7169456	9448619	0.76
WT	CG	Gm18	heterochromatin	10022707	13410383	0.75
WT	CG	Gm19	heterochromatin	8066814	8931865	0.90
WT	CG	Gm20	heterochromatin	12226897	15148938	0.81
WT	CG	Average	heterochromatin	177751768	218466814	0.81
<i>Gmcmt</i>	CG	Gm01	euchromatin	5839263	14327332	0.41
<i>Gmcmt</i>	CG	Gm02	euchromatin	3396161	12722396	0.27
<i>Gmcmt</i>	CG	Gm03	euchromatin	4413215	12495327	0.35
<i>Gmcmt</i>	CG	Gm04	euchromatin	3858617	11358543	0.34
<i>Gmcmt</i>	CG	Gm05	euchromatin	3275617	10676121	0.31
<i>Gmcmt</i>	CG	Gm06	euchromatin	4479402	14335084	0.31
<i>Gmcmt</i>	CG	Gm07	euchromatin	3004644	10170431	0.30
<i>Gmcmt</i>	CG	Gm08	euchromatin	4358666	15252859	0.29
<i>Gmcmt</i>	CG	Gm09	euchromatin	5087573	13336303	0.38
<i>Gmcmt</i>	CG	Gm10	euchromatin	2750115	10748308	0.26
<i>Gmcmt</i>	CG	Gm11	euchromatin	3653562	12162203	0.30
<i>Gmcmt</i>	CG	Gm12	euchromatin	3923674	16316855	0.24
<i>Gmcmt</i>	CG	Gm13	euchromatin	4093116	16018036	0.26
<i>Gmcmt</i>	CG	Gm14	euchromatin	3834883	9767876	0.39
<i>Gmcmt</i>	CG	Gm15	euchromatin	4158583	13068911	0.32
<i>Gmcmt</i>	CG	Gm16	euchromatin	2955217	9457586	0.31
<i>Gmcmt</i>	CG	Gm17	euchromatin	3341055	11438039	0.29
<i>Gmcmt</i>	CG	Gm18	euchromatin	7212356	15286885	0.47
<i>Gmcmt</i>	CG	Gm19	euchromatin	6432376	14906120	0.43
<i>Gmcmt</i>	CG	Gm20	euchromatin	2740040	9249714	0.30
<i>Gmcmt</i>	CG	Average	euchromatin	82808135	253094929	0.33
<i>Gmcmt</i>	CG	Gm01	heterochromatin	11268893	13707459	0.82
<i>Gmcmt</i>	CG	Gm02	heterochromatin	8960490	10687579	0.84
<i>Gmcmt</i>	CG	Gm03	heterochromatin	6738675	8093402	0.83
<i>Gmcmt</i>	CG	Gm04	heterochromatin	10662482	13081987	0.82
<i>Gmcmt</i>	CG	Gm05	heterochromatin	7896115	9803531	0.81
<i>Gmcmt</i>	CG	Gm06	heterochromatin	7927749	9378986	0.85
<i>Gmcmt</i>	CG	Gm07	heterochromatin	8319308	10890483	0.76
<i>Gmcmt</i>	CG	Gm08	heterochromatin	5593961	6705488	0.83
<i>Gmcmt</i>	CG	Gm09	heterochromatin	7735458	9292693	0.83
<i>Gmcmt</i>	CG	Gm10	heterochromatin	10897143	13172978	0.83
<i>Gmcmt</i>	CG	Gm11	heterochromatin	5810846	7006245	0.83
<i>Gmcmt</i>	CG	Gm12	heterochromatin	6918680	8532538	0.81
<i>Gmcmt</i>	CG	Gm13	heterochromatin	5034821	6558397	0.77
<i>Gmcmt</i>	CG	Gm14	heterochromatin	10454688	13010875	0.80
<i>Gmcmt</i>	CG	Gm15	heterochromatin	10552634	13610566	0.78
<i>Gmcmt</i>	CG	Gm16	heterochromatin	7005665	8379678	0.84

<i>Gmcmt</i>	CG	Gm17	heterochromatin	6693274	8868470	0.75
<i>Gmcmt</i>	CG	Gm18	heterochromatin	9414883	12490099	0.75
<i>Gmcmt</i>	CG	Gm19	heterochromatin	7581680	8430348	0.90
<i>Gmcmt</i>	CG	Gm20	heterochromatin	11489484	14304312	0.80
<i>Gmcmt</i>	CG	Average	heterochromatin	166956929	206006114	0.81