

Supplementary Table S10. the abundacne of sRNAs among the two mutants and WT. on

sRNA	length	<i>Gmcmt.1</i>	<i>Gmcmt.2</i>	<i>Gmcmt.3</i>
AAAAATAGCTCGGCGCCAG	19	5	4	3
AAAAATAGCTCGGCGCCAGGA	21	3	4	3
AAAACCTTCGTACCCCA	16	4	12	6
AAAAGGTTAAAGAATAAAAGA	21	5	3	3
AAAATAGCTCGGCGCCAGGA	20	5	3	4
AAACCAAGCCAAATAAATCTGA'	23	6	6	12
AAACCAAGCCAAATAAATCTGA'	24	4	6	6
AAACCCACCCCAAGATGAGTGC'	24	8	2	9
AAACCCTTCGCATTGT	16	4	10	5
AAACCCTTGGCTGTCTGAG	19	5	8	6
AAACCCTTGGCTGTCTGAGC	20	2	5	3
AAACCTAAAAGATTCCAA	18	3	4	6
AAACGTTTGGAGACCTGAACTGA'	24	4	4	3
AAACTTCGTACCCCAT	16	5	16	3
AAAGAGGCTGTTTCCG	16	5	11	7
AAAGAGTGTAGGGAAG	16	3	4	6
AAAGATGTGACTGTTG	16	3	9	4
AAAGCGTCTGTAGGTG	16	3	1	4
AAATAGCTCGGCGCCAG	17	5	2	3
AAATAGCTCGGCGCCAGGA	19	4	4	3
AAATCTGGTTCCTGGC	16	7	6	4
AAATTGGAGTAAAAC	16	5	14	7
AACAATACCGGGCTCA	16	5	5	2
AACACGTATAACTAGC	16	6	11	4
AACAGACCGGTAGACTT	17	20	20	15
AACAGACCGGTAGACTTG	18	4	4	4
AACATCTAAGGGACTGA	17	3	8	6
AACATCTAAGGGACTGAG	18	5	9	4
AACCAAGCCAAATAAATCTGAT	22	7	4	7
AACCAAGCCAAATAAATCTGATC	23	6	3	5
AACCCACCCCAAGATGAGTGCTC	23	13	1	9
AACCCATGACCAACAA	16	7	15	9
AACCCTGAGCAGACTGCCG	19	3	4	3
AACCCTTGGCTGTCTGAG	18	6	13	5
AACCCTTGGCTGTCTGAGC	19	3	5	6
AACGTCTGAGGTTAAC	16	4	8	3
AACTCGTCGGATCGCACG	18	12	16	12
AACTCGTCGGATCGCACGG	19	1	2	4
AACTGAGGGACCAAAA	16	8	9	7
AACTTCGTACCCCAT	16	5	10	4
AACTTGACACCACACT	16	7	11	3
AACTTGATCCGTATGA	16	3	8	6

AAGAATGGTGGCACTCCTGAG	21	12	9	10
AAGAATGGTGGCACTCCTGAGC	22	10	4	7
AAGAGCCTCTGGACAA	16	7	11	11
AAGAGCCTCTGGGCAA	16	8	12	7
AAGAGGCTGTTTCCGG	16	3	11	5
AAGATGTGACTGTTGG	16	6	9	3
AAGATTTCACTTCCTT	16	6	8	2
AAGCTATGAGATCTGAGG	18	4	3	4
AAGCTCCTGAACCATCAT	18	13	7	11
AAGCTCCTGAACCATCATT	19	22	13	16
AAGCTCCTGAACCATCATTT	20	6	4	9
AAGCTTGAACCGCCAG	16	4	9	4
AAGGACTATTTTGCAA	16	2	3	7
AAGGGAAATAGCAGTT	16	4	5	6
AAGGTTAAAGAATAAAAG	18	3	5	3
AAGGTTAAAGAATAAAAGA	19	4	6	3
AAGGTTAAAGAATAAAAGAA	20	4	3	2
AAGTCCTCGTGTTGCAC	17	7	9	5
AATAACCGTCTTTGAA	16	4	12	4
AATACCTGGATCCATA	16	4	13	9
AATAGCTCGGCGCCAG	16	5	4	3
AATAGCTCGGCGCCAGG	17	3	5	3
AATAGCTCGGCGCCAGGA	18	6	4	5
AATAGGAAGATCTGAT	16	3	6	2
AATCATTATTGAACATCTAAGGC	28	5	2	4
AATCCGGAAACAGCCT	16	5	5	3
AATCTTTGAGGCCTGA	16	8	11	8
AATGACTCTCGGCAACG	17	4	1	6
AATGACTCTCGGCAACGGA	19	5	3	3
AATGACTCTCGGCAACGGAT	20	5	6	3
AATGCATGGACACTTT	16	4	5	3
AATGTGCGTCGTAAAA	16	4	15	12
AATTCATCGTAGGCTA	16	5	10	6
AATTCTATCGGAGCAG	16	2	5	3
AATTCTCAGGCGGTTA	16	2	5	3
AATTGGACGTTGACCG	16	4	14	4
AATTGGATTGGGCTTC	16	7	3	4
AATTGTTCTGTGACCAC	16	3	7	4
AATTTCTTGATATGAG	16	3	4	5
AATTTTCCTTGAACAC	16	3	10	5
AATTTTTGAGGCCTGA	16	5	8	5
ACAAATCACGTCGGTA	16	7	6	4
ACAACGCTCTGATAGG	16	3	4	4
ACAATTGGACGTTGAC	16	4	7	8
ACACAACGCTCTGATA	16	0	9	3
ACACAATGCTCTGATA	16	5	12	7

ACACACCGAGTCTCAG	16	2	10	6
ACACAGTCTGAGAATT	16	3	4	2
ACACCAGCTTGGACTT	16	0	1	0
ACACCCCGTGGA AAC	16	0	1	0
ACACCGGACACGACAA	16	12	11	13
ACACCGGACACGACAC	16	8	9	5
ACACCTGATGTGGATC	16	2	8	6
ACACCTGTGGACCACG	16	6	8	5
ACACGGTTGTCTGACA	16	3	4	5
ACACGTATAACTAGCA	16	8	23	9
ACAGACCGGTAGACTT	16	18	18	19
ACAGACCGGTAGACTTG	17	4	3	4
ACAGCTTGATGCACTATCT	19	2	2	3
ACAGCTTGATGCACTATCTC	20	7	5	6
ACAGCTTGATGCACTATCTCC	21	4	6	2
ACAGCTTTCTTGA ACT	16	10	6	8
ACAGCTTTCTTGA ACTT	17	7	5	4
ACATCTAAGGGACTGA	16	4	5	3
ACATCTAAGGGACTGAG	17	3	8	6
ACATGCAAGTCGGACGGG	18	6	3	1
ACATGCAAGTCGGACGGGA	19	5	3	1
ACATGCACTACCATCTGAT	19	4	4	2
ACATGGAGACCTGAACTGAA	20	2	4	3
ACATGTGTAGGGATCC	16	2	5	3
ACCAAATGAGCAGCTG	16	2	1	1
ACCAAGCTCCTGAACCATCAT	21	5	2	3
ACCAAGCTCCTGAACCATCAT	22	9	4	7
ACCACCCCCTTATGAA	16	6	5	4
ACCACCTGTTCTTTGA	16	4	5	2
ACCACTCAGACGTTGA	16	4	5	6
ACCAGGCTTCATTCCC	16	5	11	9
ACCCACCCCAAGATGAGTGCTC	22	15	1	7
ACCCATAGAATATGAG	16	5	4	4
ACCCAAGATGAGTGCTC	18	14	7	10
ACCCGACGAGTTGAAT	16	3	4	1
ACCCGACGAGTTTAAT	16	4	7	3
ACCCTGTTGAGCTTGA	16	3	3	3
ACCCTGTTGAGCTTGAC	17	4	3	4
ACCCTTCGCATTGTAG	16	4	9	6
ACCCTTGGCTGTCTGAG	17	6	10	7
ACCCTTGGCTGTCTGAGC	18	4	5	2
ACCGAGGGTTCGAATCCCTCTCT	27	5	2	7
ACCGCCTGAATTCTTT	16	3	3	3
ACCGGACACGACAAGG	16	6	6	5
ACCGGCTGTCCGACTA	16	0	1	0
ACCTCAGGTCAGGCGG	16	3	4	4

ACCTCGGGAAAAGGATTGGCTC	22	6	2	6
ACCTGACATACCCATT	16	4	6	3
ACCTGACCTACATAAA	16	13	18	13
ACCTGATGTGGATCTG	16	14	15	9
ACCTGGCCTACATAAA	16	5	11	5
ACCTGTCTCGGGACCCGA	16	4	3	4
ACCTGTCTCAGAAAAA	16	3	13	2
ACCTTATGAACACCAA	16	3	7	5
ACCTTCTGAACACCAA	16	5	7	3
ACGAAGAAAGGCTTATG	17	6	3	6
ACGAAGAAAGGCTTATGG	18	9	1	5
ACGAAGAAAGGCTTATGGT	19	11	3	5
ACGAAGAAAGGCTTATGGTG	20	16	8	10
ACGAAGAAAGGCTTATGGTGG	21	9	7	11
ACGAAGAAAGGCTTATGGTGGA	22	16	4	13
ACGAAGAAAGGCTTATGGTGGA'	23	19	2	13
ACGAAGAAAGGCTTATGGTGGA'	24	21	4	16
ACGAAGAAAGGCTTATGGTGGA'	25	9	2	5
ACGACCTTGTTTTGAG	16	4	12	7
ACGACTCCATCGACAA	16	0	1	0
ACGAGTATTGTGATGA	16	2	2	4
ACGAGTATTGTGATGG	16	4	7	2
ACGATCGGAACCAACG	16	3	5	5
ACGCGTGTCGGACACC	16	2	14	9
ACGCTTGGCTTCTGAG	16	3	7	3
ACGGAAGCTCTCGAGA	16	6	14	8
ACGGCGGTGAATTCGTTCCCGG	22	5	2	4
ACGGGCCGAGGGACAGTCTCAG'	23	6	4	2
ACGGGCCTGGCACACC	16	4	12	5
ACGGGCCTGGCACACCC	17	2	4	1
ACGGGCCTGGCGCACC	16	2	6	3
ACGTAAGGCTTGAGCT	16	8	8	5
ACGTAGGCACGAGAAG	16	7	7	7
ACGTAGGCACGGGAAG	16	7	6	2
ACGTAGGTTCGAATCCTGCCTCT	26	8	1	7
ACGTCATCACTTAACA	16	4	7	4
ACGTGTCATGTTCTGA	16	5	22	9
ACGTTGACTGTCACGT	16	3	12	5
ACGTTGGTGGCGACTC	16	2	11	2
ACGTTTGGGAATTCTA	16	3	7	2
ACTAATTCATGATCTG	16	6	12	9
ACTAATTCATGATCTGA	17	7	15	11
ACTAATTCATGATCTGAC	18	5	6	6
ACTATGGCCGCTTAGGCCACGG/	27	7	1	5
ACTATGGCCGCTTAGGCCACGG/	28	7	2	9
ACTATGGTTTGGACGA	16	1	2	3

ACTCAATCGGACATCC	16	6	5	7
ACTCATCCCTTACCTC	16	4	7	2
ACTCCGAAGAATCCGT	16	3	2	2
ACTCCGCTGGCACCTTATGAGAA	27	3	3	5
ACTCGTAGACTCGTAA	16	6	19	6
ACTCGTCGCCCTTAAA	16	2	8	4
ACTCGTCGGATCGCACG	17	11	19	9
ACTCGTCGGATCGCACGG	18	2	3	6
ACTCTACGTGTATCCA	16	10	11	7
ACTCTAGTCCGACTTTG	17	3	7	2
ACTCTAGTCCGACTTTGT	18	1	4	3
ACTCTCGGCAACGGAT	16	4	16	8
ACTCTCGGCAACGGATA	17	8	6	4
ACTCTCGGCAACGGATATC	19	6	3	4
ACTCTCGGCAACGGATATCT	20	3	5	3
ACTCTCGGCAACGGATATCTC	21	3	2	6
ACTCTTGGGCAAACAC	16	3	6	5
ACTGAAACTCTTAAGTTTGG	20	4	3	7
ACTGAAAGGTTTCAGTAAATGATC	27	5	6	6
ACTGAGATTCAGCCCTTGTCGCG	28	16	1	16
ACTGAGATTCAGCCCTTGTCGCG	28	15	0	14
ACTGAGATTCAGCCCTTGTCGCG	28	5	0	4
ACTGAGATTCAGCCCTTGTCGCT	28	33	6	23
ACTGAGATTCAGCCCTTGTCGCT	28	15	2	14
ACTGAGATTCAGCCCTTGTCGCT	28	13	3	6
ACTGAGATTCAGCCCTTGTCGCT	28	7	0	5
ACTGGAACCAGAGAAA	16	10	20	11
ACTGGAATCAGAGAAA	16	5	8	6
ACTGGACGTAGGCACA	16	5	11	1
ACTGGACGTAGGCACG	16	10	10	6
ACTGTGACGATTTCTGTGATT	21	4	5	2
ACTGTGGGAACCCGAC	16	4	9	6
ACTTAACTCAGTGGTTAGAGTAT	27	8	2	10
ACTTACGGATCAACTT	16	1	12	1
ACTTCGTACCCCATTG	16	3	8	5
ACTTGTTACGCTTGGCTTCTGAG	23	4	2	7
ACTTTTGGACAGGCTA	16	4	6	3
ACTTTTTACTCGGATG	16	5	14	5
AGAAACCAAGCCAAATAAATCTC	25	4	3	5
AGAACATGACACGTGA	16	5	14	11
AGAACCAGACCACCCA	16	0	1	0
AGAACTCTCATGGGCGGGCCT	21	6	3	3
AGAATGGTGGCACTCCTGAG	20	12	10	11
AGAATGGTGGCACTCCTGAGC	21	6	4	8
AGAATTCAGGCGGTTA	16	6	10	3
AGAATTTCTTACCCGT	16	2	9	5

AGACCCATAAACCTGA	16	3	8	4
AGACGAATCGTGGCACTCCTGAC	23	9	7	10
AGACGAATCGTGGCACTCCTGAC	24	3	5	3
AGATGGCCGAGTGGTTCAAGGC	26	3	1	7
AGATGGCCGAGTGGTTCAAGGC	27	5	2	8
AGATGGCTGAGTGGACTAAAGC	26	15	2	12
AGATGGCTGAGTGGACTAAAGC	27	13	1	6
AGATGGCTGAGTGGACTAAAGC	28	5	1	4
AGATGGCTGAGTGGACTAAAGC	26	3	2	4
AGATGGCTGAGTGGACTAAAGC	26	4	2	5
AGATTCAGCCCTTGTCGCGTTGA	24	9	1	8
AGATTCAGCCCTTGTCGCGTTGT	24	6	0	7
AGATTCAGCCCTTGTCGCGTTTA	24	4	0	4
AGATTCAGCCCTTGTCGCTTTGA	24	17	10	18
AGATTCAGCCCTTGTCGCTTTGA	25	6	4	8
AGATTCAGCCCTTGTCGCTTTGT	24	7	1	8
AGATTCAGCCCTTGTCGCTTTTA	24	4	2	6
AGATTCAGCCCTTGTCGCTTTTT	24	7	0	3
AGCACGGGCCTGGCACAC	18	3	6	5
AGCACGGGCCTGGCACACC	19	6	6	5
AGCAGACTATCAACCA	16	3	5	5
AGCATGGGCCTGGCAC	16	4	3	6
AGCATGGGCCTGGCACA	17	4	4	3
AGCATGGGCCTGGCACAC	18	15	15	16
AGCATGGGCCTGGCACACC	19	14	10	8
AGCATGGGCCTGGCGCAC	18	7	3	5
AGCATGGGCCTGGCGCACC	19	10	6	7
AGCCCTTGTCGCGTTGAT	18	7	4	10
AGCCCTTGTCGCGTTGATT	19	10	2	9
AGCCCTTGTCGCGTTGTT	18	7	1	7
AGCCCTTGTCGCGTTGTTT	19	5	0	8
AGCCCTTGTCGCTTTGAT	18	13	29	15
AGCCCTTGTCGCTTTGATT	19	12	11	11
AGCCCTTGTCGCTTTGATTC	20	6	11	7
AGCCCTTGTCGCTTTGATTCTG	21	7	6	5
AGCCCTTGTCGCTTTGATTCTG	22	6	4	4
AGCCCTTGTCGCTTTGTT	18	8	2	7
AGCCCTTGTCGCTTTGTTT	19	7	0	7
AGCCCTTGTCGCTTTTAT	18	5	7	7
AGCCCTTGTCGCTTTTATT	19	4	3	6
AGCCGATGTGAGACTT	16	5	11	2
AGCCGATGTGGGACTT	16	9	12	11
AGCGTGGGCCTGGCACA	17	6	6	4
AGCGTGGGCCTGGCACAC	18	10	9	9
AGCGTGGGCCTGGCACACC	19	11	3	5
AGCTATGAGATCTGAG	16	3	4	3

AGCTATGAGATCTGAGG	17	4	4	4
AGCTCCTGAACCATCA	16	3	4	3
AGCTCCTGAACCATCAT	17	9	9	9
AGCTCCTGAACCATCATT	18	17	14	14
AGCTCCTGAACCATCATTT	19	7	6	4
AGCTCGGCGCCAGGAT	16	4	5	2
AGCTTGGGCCTGGCAC	16	3	4	5
AGCTTGGGCCTGGCACA	17	6	6	4
AGCTTGGGCCTGGCACAC	18	23	15	19
AGCTTGGGCCTGGCACACC	19	10	11	12
AGCTTGGGCCTGGCACACCC	20	7	4	5
AGCTTGGGCCTGGCACT	17	6	4	4
AGCTTGGGCCTGGCACTC	18	7	4	7
AGCTTGGGCCTTGGCAC	16	5	3	3
AGCTTGGGCCTTGGCACA	17	8	5	2
AGCTTGGGCCTTGGCACAC	18	17	10	14
AGCTTGGGCCTTGGCACACC	19	10	6	7
AGCTTTGGGCCTTGGCAC	17	3	4	4
AGCTTTGGGCCTTGGCACT	18	4	4	7
AGCTTTGGGCCTTGGCACTC	19	6	9	11
AGCTTTGGGCCTTGGCACTCC	20	5	7	7
AGGATTGACAGACTGAGAGCTC	28	4	1	6
AGGCATCCTAACAGACCGGTAG	26	7	3	9
AGGCTCTGATAACCATG	16	7	16	9
AGGCTCTGATAACCATT	16	8	10	12
AGGCTCTGATAACCATTT	17	5	11	4
AGGCTGTTTCCGGATT	16	6	8	4
AGGGACGAATCAAAGC	16	0	15	1
AGGGACTAATATGCAA	16	4	10	6
AGGGCACGCCTGCCTGGGTGTC	22	10	2	6
AGGTAAAGAATAAAAAG	17	4	5	3
AGGTAAAGAATAAAAAGA	18	4	5	4
AGTAGAGATATCATCATAGATG	24	4	1	2
AGTAGAGATATCATCATAGATG	25	6	2	8
AGTAGAGCAACTTGGTAGCTCG	27	8	1	8
AGTCAACGAGTTAGCA	16	4	7	4
AGTCATCATCCAATAA	16	9	9	8
AGTCCCTGACTTTGTA	16	6	6	3
AGTCCTCGTGTTGCAC	16	6	4	4
AGTCGGTGGCTCTCCTAGGGTTT	24	5	2	4
AGTGAGAACATGTGTA	16	6	10	4
AGTGCCACGTTGGATA	16	2	8	5
AGTGCGACAAATATAT	16	5	10	6
AGTGGGAGCTGGAAACAGCGAA	26	6	2	5
AGTGGGAGCTGGAAACAGCGAA	27	3	2	5
AGTGGTTCCTGTAAA	16	6	7	5

AGTGTAGGCCTTGGGG	16	2	3	5
AGTGTAGGGAAGAAGA	16	4	6	3
AGTGTCTCTGCCTCTG	16	7	11	8
AGTGTCTTCGCCTCTG	16	3	13	4
AGTTATGACCATTTGA	16	1	6	5
AGTTGATCCATGTAGC	16	11	12	14
AGTTTCACTATAACCCTTTTC	20	6	4	2
AGTTTCACTATAACCCTTTTCT	21	4	2	9
AGTTTGGGCTTGGCACAC	18	8	10	4
AGTTTGGGCTTGGCACACC	19	6	2	6
ATAAATTTTCCATGCTGAT	19	2	4	4
ATAACTAGCACACCAA	16	3	11	6
ATAACTCGTCGGATCGCACG	20	10	10	10
ATAACTCGTCGGATCGCACGG	21	2	5	4
ATAATTTTGGTGCTTGG	17	2	2	4
ATAATTTTGGTGCTTGGGAGT	21	5	2	2
ATAATTTTGGTGCTTGGGAGTC	22	3	1	2
ATAATTTTGGTGCTTGGGAGTCC	23	4	1	4
ATAATTTTGGTGCTTGGGAGTCC	24	3	1	5
ATAATTTTCCATGCTGAT	19	1	3	4
ATACCCCTCGCATTGT	16	3	5	3
ATACTGGTTCGGCCAC	16	3	5	3
ATAGCATGGGCCTGGCAC	18	4	5	3
ATAGCATGGGCCTGGCACACA	19	3	4	2
ATAGCATGGGCCTGGCACAC	20	15	8	12
ATAGCATGGGCCTGGCACACC	21	11	6	7
ATAGCATGGGCCTGGCGCACC	21	4	3	3
ATAGCGTGGGCCTGGCACACA	19	2	3	3
ATAGCGTGGGCCTGGCACAC	20	7	5	8
ATAGCGTGGGCCTGGCACACC	21	7	8	9
ATAGCTCGGCGCCAGG	16	4	4	3
ATAGCTCGGCGCCAGGA	17	4	4	5
ATAGCTTGGGCCTGGCAC	18	4	4	3
ATAGCTTGGGCCTGGCACACA	19	5	5	3
ATAGCTTGGGCCTGGCACAC	20	18	15	16
ATAGCTTGGGCCTGGCACACC	21	11	7	7
ATAGCTTGGGCCTGGCACACCC	22	4	3	4
ATAGCTTGGGCTTGGCAC	18	3	3	5
ATAGCTTGGGCTTGGCACACA	19	4	5	5
ATAGCTTGGGCTTGGCACAC	20	12	9	11
ATAGCTTGGGCTTGGCACACC	21	12	5	8
ATAGCTTGGGCTTGGCACACCC	22	3	2	4
ATAGCTTTGGGCTTGGCAC	19	3	2	3
ATAGCTTTGGGCTTGGCACT	20	2	4	2
ATAGCTTTGGGCTTGGCACTC	21	7	3	8
ATAGCTTTGGGCTTGGCACTCC	22	6	2	5

ATAGGATGTGACATTG	16	2	9	4
ATAGGCTTGTATCGT	16	6	5	3
ATAGGGAGACCAGTCA	16	4	3	4
ATAGTTTGGGCTTGGCACAC	20	6	3	8
ATAGTTTGGGCTTGGCACACC	21	4	3	5
ATATAGCTCAGTTGGTAGAGCTC	25	6	4	1
ATATAGCTCAGTTGGTAGAGCTC	26	6	3	4
ATATAGTCGAATGGTAAA	18	5	1	4
ATATAGTCGAATGGTAAAAT	20	2	1	3
ATATAGTCGAATGGTAAAATTTT	23	13	4	13
ATATAGTCGAATGGTAAAATTTT	24	22	10	27
ATATAGTCGAATGGTAAAATTTT	25	25	6	30
ATATAGTCGAATGGTAAAATTTT	26	14	3	16
ATATAGTCGAATGGTAAAATTTT	27	19	5	21
ATATAGTCGAATGGTAAAATTTT	28	15	3	11
ATATCCTTGATCCGTA	16	5	7	5
ATATGATGAGTTACTCG	17	4	3	3
ATATGGCGAAATTGGTAGACGC	26	4	2	5
ATATGGCGAAATTGGTAGACGC	27	25	2	18
ATATGGCGAAATTGGTAGACGC	28	14	2	13
ATATTCCTGTACTACCC	17	5	2	4
ATATTGCCCCTTTACT	16	15	15	14
ATATTGCCCCTTTACTT	17	16	15	14
ATATTGCCCCTTTACTTT	18	13	16	16
ATATTGCCCCTTTACTTTT	19	2	6	5
ATATTGCCCCTTTACTTTCA	20	3	4	3
ATATTGCCCCTTTACTTTCAA	21	6	4	4
ATATTGCCCCTTTACTTTCAAA	22	3	6	2
ATATTGCCCCTTTACTTTCAAAA	23	5	3	5
ATATTGCCCCTTTACTTTCAAAA	24	2	2	2
ATATTGCCCCTTTACTTTT	19	12	4	14
ATATTGCCCCTTTACTTTTA	20	9	4	8
ATATTGCCCCTTTACTTTTAA	21	9	6	12
ATATTGCCCCTTTACTTTTAAA	22	13	5	8
ATATTGCCCCTTTACTTTTAAAA	23	10	6	8
ATATTGCCCCTTTACTTTTAAAA	24	10	2	8
ATATTGCCCCTTTACTTTTAAAA	25	4	2	5
ATCAAACCCTTGGCTGTCTGAG	22	5	11	10
ATCAAACCCTTGGCTGTCTGAGC	23	4	4	6
ATCAAGCTCCTGAACCATCAT	21	5	2	4
ATCAAGCTCCTGAACCATCATT	22	5	4	5
ATCATTATTGAACATCTAAGGGA	28	4	2	4
ATCCAACGGTTAACGA	16	2	8	5
ATCCACTGTGGGAACC	16	1	8	2
ATCCGGCTGTAACTT	16	5	6	4
ATCCTAACAGACCGGTAGACTT	22	16	10	10

ATCCTTCCTTGGATGTCTGAG	21	4	7	4
ATCCTTTCGCTGCACA	16	4	8	3
ATCCTTTGCAGACGACTTAAATA	27	8	1	6
ATCGATCGGGTCTGAG	16	3	7	7
ATCGGGTCTGAGCGTA	16	8	9	5
ATCGTAGGCTAGACTC	16	8	7	4
ATCGTAGGCTAGGCTC	16	11	14	11
ATCGTGCAATGTTGGT	16	7	5	3
ATCGTTCACGCTGTAA	16	3	6	3
ATCTAGGATCCGACTTC	17	4	3	6
ATCTAGGATCCGACTTCT	18	5	4	4
ATCTCGGTTTCGAGTCCGAGTAGC	26	6	2	4
ATCTGAAGCAGGCCCA	16	6	5	3
ATCTGCGGAGCCGTGTTATGCGA	27	7	1	9
ATCTGCGGAGCCGTGTTATGCGA	28	5	1	7
ATCTGCGGAGCCGTGTTATTCGA	27	6	0	3
ATCTGCGGAGCCGTTTTATGCGA	27	5	2	7
ATCTGCGGAGCCGTTTTATGCGA	27	12	4	13
ATCTGCGGAGCCGTTTTATGCGA	28	6	2	13
ATCTGCGGAGCCGTTTTATTCGA	27	5	2	8
ATCTGCGGAGCCGTTTTATTCGA	28	3	0	8
ATCTTTGAGGCCTGAG	16	7	16	8
ATCTTTGAGGCTTGAG	16	5	7	5
ATGAACGCTGGCGGCAT	17	1	2	1
ATGAACGCTGGCGGCATG	18	2	2	2
ATGAATCTTTGAGGCC	16	5	7	6
ATGAATTTTTGAGGCC	16	2	6	5
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TGGTAGTATAGTGGTAAGTATTC	25	8	1	7
TGGTAGTATAGTGGTAAGTATTT	25	5	2	5
TGGTAGTATAGTGGTGAGTATTC	25	4	0	6
TGGTCACACGGTTGTCTGACA	21	3	4	7
TGGTGGTGAAATGGTAGAC	19	13	5	13
TGGTGGTGAAATGGTAGACA	20	6	3	3
TGGTGGTGAAATGGTAGACAC	21	8	2	8
TGGTGGTGAAATGGTAGACACG	27	21	10	24
TGGTGGTGAAATGGTAGACACG	28	10	3	7
TGGTGTCTAGGCGTAGA	18	5	4	4
TGTAATCGATTACCAG	16	1	12	1
TGTACCAAGCTCCTGAACCATCA	24	2	3	6
TGTACCAAGCTCCTGAACCATCA	25	4	1	5
TGTACGCAGCCTTACC	16	5	12	5
TGTAGGTCAGGTCGTA	16	3	5	3
TGTAGTATAGTGGTAAGTA	19	3	1	3
TGTAGTATAGTGGTAAGTAT	20	6	2	5
TGTAGTATAGTGGTAAGTATT	21	3	2	5
TGTAGTATAGTGGTAAGTATTCC	24	5	3	6
TGTAGTATAGTGGTGAGTATTCC	24	5	1	4

TGTAGTCCAACGGTTAGGATAAI	28	6	3	6
TGTAGTTCAATTGGTCAGAGCAC	25	4	2	3
TGTAGTTCAATTGGTCAGAGCAC	26	7	1	7
TGTAGTTCAATTGGTCAGAGCAC	27	6	3	6
TGTAGTTCAATTGGTCAGAGCAC	28	5	2	5
TGTCGATGGAGTCGTC	16	0	0	0
TGTCGCTTTGATTTCGT	16	4	5	5
TGTCGTCCAGCGGTTAG	17	3	10	5
TGTCGTCCAGCGGTTAGGA	19	3	2	4
TGTCGTCCAGCGGTTAGGAT	20	4	6	7
TGTCGTCCAGCGGTTAGGATA	21	6	4	4
TGTCGTCCAGCGGTTAGGATAT	22	17	9	11
TGTCGTCCAGCGGTTAGGATATA	23	2	1	6
TGTCGTCCAGCGGTTAGGATATC	23	18	14	27
TGTCGTCCAGCGGTTAGGATATC	24	12	9	15
TGTCGTCCAGCGGTTAGGATATC	25	12	10	21
TGTCGTCCAGCGGTTAGGATATC	26	11	3	8
TGTCGTCCAGCGGTTAGGATATC	27	8	2	5
TGTCGTCCAGCGGTTAGGATATC	28	6	3	10
TGTGACGATTCTGTGATT	19	3	2	5
TGTGACTCTTGGCAAT	16	2	8	1
TGTGAGCCCATTTGCTTGGACCA	28	3	1	3
TGTGATGAAAATTTATCTGAT	21	1	3	4
TGTGATGAAAATTTATCTGATT	22	12	10	15
TGTGATGAAAATTTATCTGATTG	23	15	15	18
TGTGATGAAAATTTATCTGATTG	24	6	5	5
TGTGATGAAATTGGAAAAATCTI	25	4	1	3
TGTGATGACAATGTTTGTGCGTG	28	3	2	4
TGTGATGATGAAAACGATGACG,	27	9	1	9
TGTGATGATGAAAACGATGACG,	28	6	2	8
TGTGATGATTATTTCCCCAGATG	26	3	2	6
TGTGGATGGCAGCGCGCG	18	2	1	4
TGTGGATGGCAGCGCGCGC	19	6	1	4
TGTGTAGGGATCCTTA	16	7	10	9
TGTGTTTGGTTGGATT	16	3	13	6
TGTTACGCTTGGCTTCTGA	19	5	5	4
TGTTACGCTTGGCTTCTGAG	20	8	8	9
TGTTTCCGGATTTCGAA	16	4	18	8
TGTTTGGATCCTGTGA	16	3	6	4
TTAAAAAGCTCGTAGTTG	18	4	3	4
TTAAAGGAGCACTCAA	16	3	10	5
TTAACTCGTTGGCAAG	16	3	12	4
TTAACTGTGATAAACT	16	4	4	4
TTAATTGGATTGGGCT	16	4	4	3
TTACCGCTGCACCAAG	16	7	7	6
TTACCGCTGCACCAGG	16	15	17	15

TTACCTGTTACGCTTGGCTTCTG/	25	5	1	1
TTACGCTTGGCTTCTGA	17	5	5	3
TTACGCTTGGCTTCTGAG	18	4	6	5
TTACTTGTTACGCTTGGCTTCTG/	25	3	1	7
TTAGGGTAGATTTTCGG	16	6	6	6
TTATCAAACCCTTGGCTGTCTGA	24	4	6	6
TTATTCTGCAATTCTGAG	18	5	3	3
TTCAGCCCTTGTCGCGGTGAT	21	4	0	4
TTCAGCCCTTGTCGCGGTGTT	21	5	1	7
TTCAGCCCTTGTCGCGTTGAA	21	6	0	5
TTCAGCCCTTGTCGCGTTGAT	21	32	4	28
TTCAGCCCTTGTCGCGTTGATT	22	18	2	18
TTCAGCCCTTGTCGCGTTGATTC	23	8	0	9
TTCAGCCCTTGTCGCGTTGATTC/	24	5	0	5
TTCAGCCCTTGTCGCGTTGGT	21	5	1	5
TTCAGCCCTTGTCGCGTTGTT	21	18	2	20
TTCAGCCCTTGTCGCGTTGTTT	22	19	0	17
TTCAGCCCTTGTCGCGTTTAT	21	15	1	12
TTCAGCCCTTGTCGCGTTTATT	22	8	0	7
TTCAGCCCTTGTCGCGTTTTT	21	13	1	13
TTCAGCCCTTGTCGCGTTTTTT	22	7	0	9
TTCAGCCCTTGTCGCTGTGAT	21	6	2	3
TTCAGCCCTTGTCGCTTT	18	4	2	4
TTCAGCCCTTGTCGCTTTG	19	4	3	4
TTCAGCCCTTGTCGCTTTGA	20	5	2	4
TTCAGCCCTTGTCGCTTTGAA	21	5	3	8
TTCAGCCCTTGTCGCTTTGAT	21	47	24	39
TTCAGCCCTTGTCGCTTTGATT	22	24	13	24
TTCAGCCCTTGTCGCTTTGATTA	23	6	1	5
TTCAGCCCTTGTCGCTTTGATTC	23	11	12	12
TTCAGCCCTTGTCGCTTTGATTCC	24	10	6	4
TTCAGCCCTTGTCGCTTTGATTCC/	25	17	1	7
TTCAGCCCTTGTCGCTTTGATTCC/	26	11	3	8
TTCAGCCCTTGTCGCTTTGGT	21	6	2	6
TTCAGCCCTTGTCGCTTTGTT	21	34	4	21
TTCAGCCCTTGTCGCTTTGTTT	22	18	1	15
TTCAGCCCTTGTCGCTTTGTTTC	23	10	0	7
TTCAGCCCTTGTCGCTTTGTTTCC	24	6	0	6
TTCAGCCCTTGTCGCTTTTAA	21	7	3	3
TTCAGCCCTTGTCGCTTTTAT	21	26	9	26
TTCAGCCCTTGTCGCTTTTATT	22	11	2	12
TTCAGCCCTTGTCGCTTTTATTA	23	4	0	3
TTCAGCCCTTGTCGCTTTTATTC	23	3	2	5
TTCAGCCCTTGTCGCTTTTTT	21	18	3	11
TTCAGCCCTTGTCGCTTTTTTT	22	10	0	8
TTCATCGTAGGCTAGG	16	7	6	5

TTCATTGAATAGGAAGATCTGAI	23	8	5	8
TTCCACATTTGTCTGA	16	8	6	6
TTCCACATTTGTCTGAG	17	5	5	6
TTCCCTACACCTCCCA	16	2	6	6
TTCCTTGAACCATCACT	17	4	3	4
TTCCTTGGATGTCTGA	16	4	5	4
TTCCTTGGATGTCTGAG	17	5	9	4
TTCCTTGGATGTCTGAGA	18	3	9	4
TTCGAACCCATGACCA	16	3	7	8
TTCGAGGCAGAGGAAG	16	3	7	3
TTCGATAGAACTAAGA	17	7	4	2
TTCGATAGAACTAAGAA	18	7	2	4
TTCGGAGTGTAGGCCT	16	4	7	5
TTCGGGGATCCTTTCG	16	3	8	4
TTCGTACCCCATTGCC	16	4	10	4
TTCTGAAAACATGTTT	16	4	12	4
TTGAACATCTAAGGGACTGA	20	3	4	4
TTGAACATCTAAGGGACTGAG	21	4	4	3
TTGAACCCATGACCAA	16	5	5	5
TTGAATAGGAAGATCTGAT	19	5	7	5
TTGACCGTTAACCTCA	16	8	15	6
TTGAGCTTGACTCTAG	16	2	4	3
TTGATAGTGTCTCTGC	16	3	6	4
TTGATCCATGTAGCCG	16	7	11	6
TTGATGAGAATTTCTGGCTGACT	25	9	2	4
TTGATGAGAATTTCTGGCTGACT	26	5	3	6
TTGATGCAATGATCCTCTATTTC	27	3	2	7
TTGATTTCTACTATCT	16	3	5	4
TTGCTTGGACCATCACT	17	4	6	5
TTGCTTGGACCATCACTC	18	4	6	3
TTGCTTGTTACGCTTGGCTTCTGA	25	7	3	4
TTGGACAGCTCGCTTA	16	5	6	6
TTGGACCTGAATCAGG	16	2	7	6
TTGGACGTTGACCGTT	16	11	23	11
TTGGACGTTGACTGTT	16	4	9	2
TTGGATAGAAGTATGG	16	4	6	7
TTGGATGAATGAACATGTTTCTG	25	8	1	9
TTGGATTGAAGGGAGC	16	6	4	5
TTGGCCACTGGTAATC	16	4	4	6
TTGGGAATTCTATCGG	16	3	8	4
TTGGGCCTGGCACACC	16	7	10	6
TTGGGCCTGGCGCACC	16	3	5	3
TTGGGCTTGGCACACC	16	9	8	7
TTGGGCTTGGCACTCC	16	4	5	6
TTGGGGAGGAATTTATTTC	19	3	1	5
TTGGGGAGGAATTTATTTCA	20	11	5	14

TTGGGGAGGAATTTATTTTCAT	21	16	3	14
TTGGGGAGGAATTTATTTTCATT	22	17	2	17
TTGGGGAGGAATTTATTTTCATTG	23	18	5	19
TTGGGGAGGAATTTATTTTCATTG	24	21	5	18
TTGGGGAGGAATTTATTTTCATTG	25	14	3	16
TTGGGTACCAAGTGTG	16	6	4	4
TTGGTGCAGGTCGGGA	16	5	5	1
TTGGTGGTGAAATGGTAGACAC	28	4	3	4
TTGTAGTAAAGTGGTAAGTATTC	25	3	2	5
TTGTAGTATAGTGGTAAGT	19	4	3	5
TTGTAGTATAGTGGTAAGTA	20	10	5	8
TTGTAGTATAGTGGTAAGTAA	21	5	2	4
TTGTAGTATAGTGGTAAGTAAT	22	5	0	5
TTGTAGTATAGTGGTAAGTAATA	25	4	2	4
TTGTAGTATAGTGGTAAGTAATC	25	4	1	5
TTGTAGTATAGTGGTAAGTAATT	25	4	0	5
TTGTAGTATAGTGGTAAGTAT	21	12	10	14
TTGTAGTATAGTGGTAAGTATT	22	12	8	13
TTGTAGTATAGTGGTAAGTATTA	24	2	2	4
TTGTAGTATAGTGGTAAGTATTA	25	6	6	6
TTGTAGTATAGTGGTAAGTATTA	26	2	0	3
TTGTAGTATAGTGGTAAGTATTA	26	5	3	7
TTGTAGTATAGTGGTAAGTATTA	27	5	1	4
TTGTAGTATAGTGGTAAGTATTC	23	7	3	10
TTGTAGTATAGTGGTAAGTATTC	24	9	3	11
TTGTAGTATAGTGGTAAGTATTC	25	16	11	18
TTGTAGTATAGTGGTAAGTATTC	26	3	1	6
TTGTAGTATAGTGGTAAGTATTC	26	14	4	11
TTGTAGTATAGTGGTAAGTATTC	27	15	3	16
TTGTAGTATAGTGGTAAGTATTC	28	4	1	8
TTGTAGTATAGTGGTAAGTATTT	23	6	2	8
TTGTAGTATAGTGGTAAGTATTT	25	5	3	5
TTGTAGTATAGTGGTAAGTATTT	26	5	2	4
TTGTAGTATAGTGGTAAGTATTT	27	5	1	6
TTGTAGTATAGTGGTAAGTATTT	28	3	0	5
TTGTAGTATAGTGGTAAGTATTT	24	5	4	6
TTGTAGTATAGTGGTAAGTATTT	25	14	6	20
TTGTAGTATAGTGGTAAGTATTT	26	13	5	16
TTGTAGTATAGTGGTAAGTATTT	27	16	7	16
TTGTAGTATAGTGGTAAGTATTT	28	6	2	8
TTGTAGTATAGTGGTAATTA	20	5	1	3
TTGTAGTATAGTGGTAATTAT	21	4	3	4
TTGTAGTATAGTGGTAATTATT	22	6	0	6
TTGTAGTATAGTGGTAATTATTA	25	5	3	5
TTGTAGTATAGTGGTAATTATTA	26	2	0	4
TTGTAGTATAGTGGTAATTATTC	25	6	3	6

TTGTAGTATAGTGGTAATTATTC	26	2	2	4
TTGTAGTATAGTGGTAATTATTC	27	3	1	3
TTGTAGTATAGTGGTAATTATTT	25	5	2	4
TTGTAGTATAGTGGTAATTATTT	26	3	1	6
TTGTAGTATAGTGGTAATTATTT	25	4	2	4
TTGTAGTATAGTGGTAATTATTT	27	3	0	6
TTGTAGTATAGTGGTGAGTA	20	5	2	4
TTGTAGTATAGTGGTGAGTAT	21	4	2	3
TTGTAGTATAGTGGTGAGTATTA	25	6	4	5
TTGTAGTATAGTGGTGAGTATTA	26	3	1	6
TTGTAGTATAGTGGTGAGTATTC	25	10	7	13
TTGTAGTATAGTGGTGAGTATTC	26	6	2	6
TTGTAGTATAGTGGTGAGTATTC	27	10	2	9
TTGTAGTATAGTGGTGAGTATTC	28	4	1	4
TTGTAGTATAGTTGTAAGTATT	22	3	1	5
TTGTAGTATAGTTGTAAGTATTA	25	4	1	3
TTGTAGTATAGTTGTAAGTATTC	25	5	0	4
TTGTAGTATATTGGTAAGTAATA	25	4	1	5
TTGTAGTATATTGGTAAGTAT	21	4	2	4
TTGTAGTATATTGGTAAGTATT	22	5	1	8
TTGTAGTATATTGGTAAGTATTA	25	5	3	5
TTGTAGTATATTGGTAAGTATTA	26	2	0	5
TTGTAGTATATTGGTAAGTATTC	25	4	1	7
TTGTAGTATATTGGTAAGTATTC	26	3	0	6
TTGTAGTATATTGGTAAGTATTT	25	4	1	5
TTGTAGTATATTGGTAAGTATTT	25	4	1	5
TTGTAGTATATTGGTAATTATTA	25	4	0	4
TTGTAGTCCAACGGTAGGATAA	22	5	4	8
TTGTAGTCCAACGGTAGGATAA	23	3	4	5
TTGTAGTCCAACGGTTAGGATAA	28	4	1	7
TTGTAGTCTAGTTGGT	16	5	3	6
TTGTAGTCTAGTTGGTTAGGA	21	6	2	5
TTGTAGTCTAGTTGGTTAGGAT	22	2	2	6
TTGTAGTTCAATCGGTCAGAGCA	27	4	3	5
TTGTAGTTCAATCGGTCAGAGCA	28	8	3	9
TTGTAGTTCAATTGGT	16	4	5	4
TTGTAGTTCAATTGGTCAGAG	21	18	3	13
TTGTAGTTCAATTGGTCAGAGC	22	7	2	3
TTGTAGTTCAATTGGTCAGAGCA	23	5	1	3
TTGTAGTTCAATTGGTCAGAGCA	24	5	4	8
TTGTAGTTCAATTGGTCAGAGCA	25	14	7	17
TTGTAGTTCAATTGGTCAGAGCA	26	9	6	12
TTGTAGTTCAATTGGTCAGAGCA	27	26	6	19
TTGTAGTTCAATTGGTCAGAGCA	28	27	12	21
TTGTATTTTCAGGCTGA	16	3	1	2
TTGTATTTTCAGGCTGAGCA	19	4	2	2

TTGTATTTTCAGGCTGAGCAT	20	2	2	1
TTGTCGCTTTGATTCTG	16	4	9	6
TTGTCGCTTTGATTCTGT	17	4	5	2
TTGTCGCTTTGATTCTGTA	18	3	5	6
TTGTCGCTTTGATTCTGTC	18	3	4	4
TTGTCGCTTTGATTCTGTCC	19	4	3	3
TTGTCGTCCAGCGGGTAGGATAI	24	3	2	3
TTGTCGTCCAGCGGGTAGGATAI	25	2	2	7
TTGTCGTCCAGCGGGTAGGATAI	26	5	4	5
TTGTCGTCCAGCGGTT	16	3	6	4
TTGTCGTCCAGCGGTTA	17	2	8	7
TTGTCGTCCAGCGGTTAG	18	9	19	16
TTGTCGTCCAGCGGTTAGG	19	4	5	5
TTGTCGTCCAGCGGTTAGGA	20	8	5	4
TTGTCGTCCAGCGGTTAGGAAAI	26	5	1	3
TTGTCGTCCAGCGGTTAGGAT	21	10	11	15
TTGTCGTCCAGCGGTTAGGATA	22	7	7	9
TTGTCGTCCAGCGGTTAGGATAA	24	5	1	5
TTGTCGTCCAGCGGTTAGGATAA	25	4	1	4
TTGTCGTCCAGCGGTTAGGATAA	26	5	1	3
TTGTCGTCCAGCGGTTAGGATAT	23	27	25	35
TTGTCGTCCAGCGGTTAGGATAT	24	3	4	8
TTGTCGTCCAGCGGTTAGGATAT	25	4	1	7
TTGTCGTCCAGCGGTTAGGATAT	26	6	2	6
TTGTCGTCCAGCGGTTAGGATAT	24	27	22	41
TTGTCGTCCAGCGGTTAGGATAT	25	5	1	4
TTGTCGTCCAGCGGTTAGGATAT	26	6	3	10
TTGTCGTCCAGCGGTTAGGATAT	25	31	25	46
TTGTCGTCCAGCGGTTAGGATAT	26	38	31	45
TTGTCGTCCAGCGGTTAGGATAT	27	43	17	45
TTGTCGTCCAGCGGTTAGGATAT	28	21	8	24
TTGTCGTCCAGCGGTTAGGATAT	26	7	4	7
TTGTCGTCCAGCGGTTAGTATAT	26	3	3	2
TTGTCGTCCAGCGGTTATGATAT	24	4	2	4
TTGTCGTCCAGCGGTTATGATAT	26	5	3	4
TTGTCGTCCAGCGGTTCTGGATAT	26	2	2	2
TTGTGCCTTGGTGACT	16	5	8	5
TTGTGCTGAAGGACGT	16	1	10	3
TTGTTACACACACTGAA	17	2	5	3
TTGTTACACACACTGAAG	18	4	5	4
TTGTTACGCTTGGCTTCTGA	20	4	5	4
TTGTTACGCTTGGCTTCTGAG	21	4	6	5
TTGTTATGTACTCCTA	16	5	4	3
TTTAAATAGGCTCGTG	16	8	14	5
TTTAAGGGGACCTTTC	16	8	5	6
TTTACAGGGAACCACT	16	3	10	3

TTTACCGCTGCACCAG	16	6	4	5
TTTACTTGTTACGCTTGGCTTCTC	26	7	2	6
TTTATACATCTAGGATCCGACTT	24	8	3	6
TTTATACATCTAGGATCCGACTT	25	6	3	6
TTTATACTGGTTCGGC	16	4	3	4
TTTCCACATTTGTCTGA	17	4	4	6
TTTCCACATTTGTCTGAG	18	4	3	6
TTTCCTTGAACACCTG	16	3	6	3
TTTGACGGCCTTGTTT	16	3	5	3
TTTGATGAGAATTTCTGGCTGAC	26	7	3	3
TTTGATGAGAATTTCTGGCTGAC	27	5	1	5
TTTGCGTGCAATGATC	16	3	8	4
TTTGCTTGTTACGCTTGGCTTCTC	26	5	2	7
TTTGGACGTTGACCGT	16	4	10	9
TTTGGATTGAAGGGAGC	17	4	9	2
TTTGGGAATTCTATCG	16	6	11	7
TTTGGGATTGAGTTAG	16	5	9	4
TTTGGGCTTGGCACAC	16	5	4	10
TTTGGGCTTGGCACTC	16	8	7	13
TTTGGGCTTGGCACTCC	17	4	3	5
TTTGGGGAGGAATTTATTTTCATT	23	4	3	6
TTTGGGGAGGAATTTATTTTCATT	25	5	1	6
TTTGGGGTGTGAGTTAG	16	10	10	13
TTTGGTCCGTGTAAGA	16	3	7	4
TTTGTCTTCTCTCCAT	16	5	6	5
TTTTAAGGGGACCTTT	16	3	5	4
TTTTACGTTATTTTCGCACTGTA	22	4	1	4
TTTTCCCTTGAACACCT	16	3	11	5
TTTTGATCAGGGCGGT	16	0	1	0
TTTTGGGGTTGAGTTA	16	8	8	7
TTTTTACGTTATTTTCGCACTG	21	7	4	5
TTTTTACGTTATTTTCGCACTGT	22	7	3	9
TTTTTACGTTATTTTCGCACTGTA	23	11	3	10
TTTTTACGTTATTTTCGCACTGTA	24	7	1	9
TTTTTACGTTATTTTCGCACTGTA	25	5	3	6
TTTTTACGTTATTTTCGCACTGTA	26	3	1	5
TTTTTATTTTGAGCGCGGGTTT	22	3	7	3
TTTTTCCTCTATTTCT	16	3	7	3
TTTTTGGGTCTTCCTC	16	5	10	7
TTTTTTGATATTGCCCTTTACT	23	5	2	6
TTTTTTGATATTGCCCTTTACTT	24	7	0	4
TTTTTTGATATTGCCCTTTACTT	25	5	1	7

ily length longer than 16 nt and total reads count large than 30 were presented.

<i>Gmdrm.1</i>	<i>Gmdrm.2</i>	<i>Gmdrm.3</i>	WT.1	WT.2	WT.3
3	2	4	5	2	5
3	2	3	7	3	2
0	0	0	2	3	3
3	2	3	3	3	5
3	3	4	4	3	4
6	4	9	6	5	7
7	2	10	5	9	6
2	1	4	7	4	7
2	2	0	5	3	7
24	12	8	5	2	3
8	6	3	2	2	2
6	4	3	5	3	3
6	2	3	5	3	7
1	0	0	8	6	8
2	1	1	9	5	9
2	3	3	4	2	3
5	4	4	6	4	5
6	4	3	8	1	2
7	2	4	6	5	3
4	5	3	4	3	5
9	6	6	4	7	5
5	4	0	10	7	8
4	3	3	3	2	7
0	0	0	6	4	10
22	24	16	18	17	19
3	5	4	4	4	4
9	7	5	4	6	5
12	10	8	5	4	5
3	7	7	5	4	4
6	3	7	6	5	4
2	1	3	4	2	10
0	1	2	10	5	11
15	8	15	5	2	6
25	10	6	7	7	7
7	4	4	3	3	3
2	1	2	2	4	5
19	16	13	11	10	10
7	4	2	2	4	4
3	3	1	7	4	6
0	0	0	8	6	9
0	0	0	4	4	5
0	1	0	3	5	7

13	7	17	5	9	12
11	3	6	3	3	6
1	0	1	7	6	12
2	1	1	6	8	5
0	0	0	6	4	5
6	7	3	3	3	7
3	1	0	5	2	5
4	5	3	2	4	5
8	7	10	11	7	14
16	9	15	14	15	17
6	4	5	8	6	5
2	1	0	3	6	4
4	3	4	3	5	7
3	2	6	5	5	5
8	2	8	3	3	3
6	4	9	3	3	6
4	2	5	5	1	5
11	10	6	7	8	5
2	1	2	1	3	4
3	0	0	4	3	6
14	3	4	3	2	5
5	6	2	5	3	4
6	6	5	4	5	6
4	3	3	3	4	2
2	1	3	5	4	4
1	1	1	5	4	7
1	2	1	8	7	12
5	4	4	3	4	5
6	3	3	5	1	3
6	2	4	1	3	4
3	4	3	3	2	3
7	1	3	6	7	12
2	0	2	3	4	6
3	3	3	5	3	5
5	3	2	4	4	4
0	3	1	6	3	7
3	1	3	3	3	5
4	2	1	4	3	4
3	3	3	4	2	3
5	3	0	3	4	9
1	2	1	7	7	5
1	2	0	3	2	5
4	2	2	5	2	5
2	0	1	7	8	8
3	2	3	3	3	5
3	3	0	5	3	3

5	3	1	5	6	4
3	5	3	2	3	5
14	9	9	1	0	0
9	13	10	0	0	0
0	1	1	10	13	13
0	1	0	6	9	6
2	5	2	5	6	5
1	1	0	3	3	5
4	4	3	4	3	5
0	3	1	8	8	11
24	21	17	22	19	18
6	4	3	5	3	4
8	5	3	3	2	3
9	7	8	5	3	2
8	3	4	2	5	3
11	12	16	10	10	9
4	4	7	6	2	4
6	5	4	4	5	6
8	6	3	4	6	4
5	5	5	2	4	1
9	4	4	4	3	2
4	5	5	3	2	2
5	4	4	2	3	6
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3	2	13	3	5	9
51	29	45	30	34	37
4	2	13	4	5	6
4	2	11	6	6	5
39	24	57	32	35	35
43	34	63	40	48	48
25	16	50	38	33	42
9	5	36	23	22	30
5	2	11	5	5	4
3	2	10	3	4	5
5	5	6	4	4	5
3	2	10	2	3	4
7	0	4	9	2	2
2	2	3	5	4	4
3	4	2	5	4	1
5	4	3	3	3	3
4	5	3	5	3	4
5	4	4	4	3	3
7	4	5	6	3	7
2	2	5	3	5	2
1	1	3	5	2	5
3	0	1	7	4	5
1	1	1	3	4	5

2	1	1	6	5	4
3	1	7	3	3	7
5	3	8	7	5	5
4	2	3	5	5	6
4	3	0	4	3	5
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3	2	2	4	6	4
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2	4	7	7	3	5
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2	2	8	4	4	6
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2	1	5	2	3	4
4	2	1	6	2	6
1	0	0	5	6	3
8	5	6	3	5	3
16	9	13	8	10	10
6	5	5	4	4	4
2	2	4	4	2	5
5	1	1	5	5	4
2	0	0	12	9	12
7	5	1	5	6	7
2	2	1	5	3	6
1	1	1	4	4	11
2	3	6	4	3	5
2	2	2	4	5	4
14	14	8	0	0	0
1	2	0	4	5	10
4	2	6	4	3	3
4	3	10	7	6	6
5	4	11	9	7	11
5	3	11	6	5	9
2	1	4	7	4	6
1	2	5	5	2	7
8	6	1	3	1	2
5	5	1	3	4	5
2	2	1	4	6	7
5	3	5	4	3	3
4	3	5	5	2	5
2	1	6	5	1	4