

Supplementary Table S1. The 150 SNP loci, their genomic position and flanking sequences used for tea germplasm characterization.

Loci ID	Chr_location	SNP	Flanking sequences
Cs0001	Chr7_160564407	[T/C]	GGAACTTTTCTCTGTGTGATGGAAGCCATGTGAAGCACATAAAGCTAATGGAGATAA[T/C]GTTGGACCTTTGCTTGTGAAGAAGCAATAGCTATAATAGTGTGTCTTATGTTGTTTACT
Cs0003	Chr14_9203415	[C/T]	TGGCACGAGGAGTTGGAGCCTCAGAATTCATTGCTCGACGTAACCTCTTCTGGTCC[C/T]GAACCAATGGCCACATAATGAAATGCTGTTCTGATCGCTGATTACTGTATCAGTGTTTTTG
Cs0004	Chr12_10682874	[T/C]	CATAAGGTAACACAATATAAAAAGGGCAAGGATAGTTTGGCTGCACAAGGCAAGCGCCG[T/C]TACGATCGAAAACAATCAGGTTATGGTGACAGACTAAACCTGTTTTCCACAAAAAGGCAA
Cs0005	Chr6_10792842	[A/T]	AAGGGATCGATGAAGCTTATAGTGACAGGTGAGTCTGTGTTGAAAGTCACTGAGCCTGC[A/T]AATTTCTCTGTGAAAGAAAAAACAATTTGTCCTTGATCGAGTTTGACGTGTGGACGTGC
Cs0011	Chr6_12315302	[C/T]	GCTAGTGACTGAAAAACCAACTGAGGTGGCAGCAACAACAGAGGAGCCAGCAGCTGCC[C/T]GGAAGCTGAAGCCCCGGCAGTTGAAGCCAAGATTAAGGAAGTTGTTGAGGAACCTGAAGTT
Cs0013	Chr5_167104344	[A/G]	TCTCTCTATCTCTACAGCCATGGCGGAAATCGAAACAGAGGTGGCTACAGGACAGCC[A/G]AAGAAGAGGACGTTTAAGAAGTTCAGCTTCAGGGGTGTCGATTGGATGCTCTCCTTGACA
Cs0015	Chr5_167107818	[T/C]	AAGACCTTCAATCAAATTGAGATCAAGCCTGAAATGATTGGTCATTACCTAGCTGAGTT[T/C]TCAATCTCATAAAGCCAGTCAAGCACGGGAGACCTGGTATTGGTGCCACCCACTCTCTCGA
Cs0020	Chr1_68114655	[T/A]	TGCAAGTTCGAAAGAAAGGCATGACTCCATCACAGATCGGCGTCATTCTCGTGACTC[T/A]CACGGTATTGCTCAGGTCAAGAGCGTCACTGGAAGCAAGATCTTGCCTATTCTCAAGGCTC
Cs0022	Chr7_28138366	[A/G]	AAGAACTCACTCAGTCTCAACTTGCTCAACTGATTAATGAGAAACCACAAGTGATACA[A/G]GAGTATGAATCTGGAAGCCATTCCAATCAACAGATAATCTCAAAATGGAGAGGGCTC
Cs0030	Chr3_84426259	[C/G]	ACCCAAAGCCTAAGAAGTTGCGATCTGCGACCCAGTCATACATGATGATATCTTTTGA[C/G]TAGTGTGTGAAGTATTAATGTCTTTCATATGGCAGTATGTAATAAATAATTTCCCTATGG
Cs0031	Chr4_112953236	[C/A]	CGAAAGAAGACCGCGTGCCGTCACCTACTGCAAGCGTGCCGTTGGCCTGATCAAGAT[C/A]AACGGCTGCCCATCGAGCTGGTGAGCCTGAGATCCTCCGCTACAAGGCTACGAGCCCA
Cs0033	Chr1_221119899	[C/A]	CAATTGGTAGTTATTGCTCATGATGTGGACCAATAGAGTTGGTTGTCTGGCTTCCCG[C/A]TTGTGCCGGAAGATGGAGATCCCATACTGCATTGTGAAAGGAAAAATCTCGATTGGGAACGA
Cs0036	Chr10_9844256	[T/C]	GGCCTAGCACTCCTCTGCCAATCATTCCAGCCATTGCTTGGGTTCTTCAACATCCT[T/C]CAACCAGCTTTGAACCAGGTCAACAAAATGAGGAGCATTAGGGGGGTATCATTGGGCTTG
Cs0037	Chr10_9844325	[A/C]	TTGAACCAGGTCAACAAAATGAGGAGCATTAGGGGGGTATCATTGGGCTTGGTGGGAT[A/C]GGTGGCTTGGCTGCTGCCTCAGGGTTTATGTCAACCCCTCATGCGATGGCAGCAGCACAGG
Cs0038	Chr5_171535	[C/T]	GCGCGCTCAGCGCAGCTTCGAAAGGGAATCGGGTTAAATTCCTGAACCGGGACGTGG[C/T]GGCTGACGGAACGTTAGGGAGTCCGGAGACGTGCGCGGGGGCTCGGGAAGAGTTATCTT
Cs0039	Chr13_55746744	[G/A]	TTTGGTGACTATGGTTTCACTGGCAAGCTTGACGTAAGTCTGTTGATCA[G/A]TGCCAATGAATGTTGGAGATTACATTATGATCCTCTGTTCCCATTTGGATTGGACTCA
Cs0042	Chr13_63965022	[T/C]	CATAATCGGAAGCTAGTCCAGCCTCCGGAAGGTACCTATTTCTAGTTGGGAGGATTCA[T/C]ATAGATTTTCATGGACCATGTTGCATATACATGTATATGCAATATATAGTTTGAATGCTGT
Cs0045	Chr3_123743219	[G/T]	ATGGATGCCGGATCGGCATTTCGTTGCCGATCTCTGCCCGCTGCTGCTCGTCCG[T/G]CTTTGTCTTGTTCGCGCTCATGAAGCATTAAATCTCTGATTATTGATGCATACATTAT
Cs0046	Chr1_21466695	[C/T]	ATCTCCTTCGTCGAGCACCAACGCAGCATGGAAGGACCCTGAGAAGAAGAAGTACCC[C/T]GGTGGAGCTTTGACCCATTGGGATACTCCAAGACCCAGTCAAGTTTGAGGAGAACAAAGG
Cs0047	Chr6_165507484	[G/A]	ATGGGAGAGGAGCAGATCTGTGCCCTCAAGGACATTGGTCTCTAAAAATTAATGTGGTA[G/A]TAGGAAAAAACAACCTCTATGTTATCTAACATGGAATTTACTTTATTTCAACTATATG
Cs0048	Chr9_32905920	[C/T]	TACCTCGCCGCTGAGGTGCTTGAATTGGCTGGAATGCTGCGAGGGACAACAAGAAGAC[C/T]CGGATTGTGCCTCGGCACATCCAGCTTGCTGTGAGGAATGACGAAGAACTCAGTAAGCTTC
Cs0049	Chr3_168224943	[C/T]	ACCATTGCAATGGTGGTGTATGCGAAACATTCACAACCTTTTGCTCCGAAGAAGAC[C/T]GGTGGGTCGTCGAAGCCCTGCTGATGATGACAGTTGAATTGTGAAGAACTGGGTTGGGT
Cs0051	Chr13_75388305	[T/C]	GGTGAAAGACTCACAGATGAGGAAGTTGATGAGATGATTCTGAGGCCGATGTGGATGG[T/C]GACGGCCAGATCAACTATGAGGAGTTCGTCAGGTCATGATGGCCAAGTGAGGACCAATCA
Cs0054	Chr7_84525319	[T/C]	ACGCTCTTCTCGCTGAGGATACGACCTTTGCCATCGCTGAAGTAGCGAAGGCCCTGAGG[T/C]AGACCTTCGAGAGGAATCCATTAAACGACGCAGGGTTGTTGCGGAAACGACGGATCGCATA
Cs0057	Chr11_45445325	[T/C]	CCTTTGAGTGGGGACAGGACATAGAAAGCCAGGAGATGCTTACACAAGGCTTCACACA[T/C]GCATTCTTGATGACATTCAAGACCAAGGAAGACTTCACTGCTTCTTGGCCATCCCAAC
Cs0066	Chr14_71524189	[T/G]	CCCTCTCTCAAGAACTTCTGCTCAGCATTGTAGCCGTTGGCGTTGTGCTCACCGTCT[T/G]GTTGGTCTTGTGGTAGGAGTCGCCAACTTCGACCCTGTCAAGAGGGGCTGAGAGAGAAATA
Cs0067	Chr4_146034466	[T/C]	TCTTGAAAGGCCTTCGATTGATCGATCGATTGGCTTCTCTGGTCTCGTTCTGTTTTTTT[T/C]ACATATCTAAGGATAGGGTTTTTAGGATTGGTGACTGGTAGTACTAATGTTTTAAATTTT
Cs0068	Chr10_88652752	[G/C]	GGTGGTTGGGACACTCCGTGGCTTTGATCAGTTTATGAATCTTGTTGTGTTGACAACACT[G/C]TGGAGATGAATGGCAATGAGAAAACTGATATAGGCATGGTGGTTATCAGAGGAAATAGTGT
Cs0076	Chr3_11769627	[C/G]	CGACAACAGAAGCAGCAGCAACAACAATCAACTTGTCATGATTCTGCAGAGAAGAAG[C/G]CTTTTGTGAAAGACTTTGAGCCGAGGCCAAATATTAGTGCTTATCATGACGATAAAGTTGA
Cs0078	Chr3_11769320	[G/A]	GAGATATATCTATATGTATGGTTGAATCTAAATAATTAAGAAGCAATGTTGTATGTTT[G/A]TGGGGTGTACTGGTTTGTAGTTGTAGCTTGAAGTGAGTGATTATGTTTAATTACTCAAAA
Cs0081	Chr5_4908539	[T/C]	AAGCGCCGAAAGATGAGACAAAGATCCAAGTAGACAATGCATTTCGACAAGAAGACGGC[T/C]TCTCCTGATATGCTTTCATCTTTCATCACTTGCTCGTGGGAGTTGGAGAGGATTTTGAA
Cs0085	Chr15_21051929	[G/A]	AAGCTCACGACCCAGATAACAAGTTCAAAGTCGGCGACTATGTCCAGCTCGAGAAGAGT[G/A]GACCCATTAGCAAAACCAAGACTTTTATTGCTATTCGATCGCTGCGAGGAATGTGCCAA
Cs0088	Chr8_129387691	[T/C]	ACCTGAGGGGATGTCTGGAGAAGTCTTCACTTGGATTGCAAAATGCACTGTTGAAAC[T/C]GGCCTTTTGAAGGCGGCCGATATCTCCCTCACCAGGCAACTCCGCAACCCCGCCACC
Cs0091	Chr11_74688110	[C/T]	ATTGATACTGCTGAGAAGGGGGGACAGTTCACTTGCATATTTTGAAGCACTCGACCAT[C/T]GTTCTGAAACCAAGATCGTTCTGATTTTCATAAATTTATGTTTTGTTTATTGTGTTT
Cs0104	Chr10_14361364	[T/C]	GAATACAGCCTAACGGTGCTTAGCTCGAGCTTCATCCAATCCGGGCATGGCAGAAGTA[T/C]GGTTGGCTGAGGCCTAGAAATCACCGGCAAGTCACAGAACGGCAATGGACTCTGATAGGAG

Cs0114	Chr5_20348312	[C/T]	ATTACACCCAATGAACTTGCTAACGCTGATGGGTTCATTTTTGGCTTCCCCACAAGATA[C/T]GGGATGATGGCTGCTCAGTTCAAAGCGTTTCTTGATGCAACTGGAGGTTTATGGAGAACAC
Cs0115	Chr5_20347430	[A/G]	GAAACTACCGCGTTGACTGCCATTACCAACTGGTTCACCATGGAATGATCTTTGTGCC[A/G]ATTGGCTACACATTTGGAGCGGGCATGTTTGAGATGGAACAAGTGAAGGTGGAAGTCCTT
Cs0116	Chr2_122406880	[C/T]	CGCCAGCCCATGAGATCCACCAGCTACAGAGCTGGTGTCTGGTGCCAAATATGGGGA[C/T]AAGAGTGTGACTTTGATTTGGAGGATCTGGGCAACACAACCTGGCCAGTGGGACTTGTATG
Cs0118	Chr3_178452401	[C/T]	TATTGATGCTGGTGGCACTAGTTCTCACATATCTCATTCACCCCTGGATGCTTCTCC[C/T]CCTACAGCTTCTCTGAGTATTTTTTGGAGATTAAATTGAATTTTTAGAGAATGGGATGG
Cs0122	Chr8_130264327	[A/T]	ACACCGTACCAACGCGCGCGTAAAGATAACGTGTGGGAGAAGTGTGTTTCACCCAGG[A/T]AGCAACATTGCGACGAAGCGTATTGGTGCTGAGATGTTGCAAGGCCACACCCAACTCTC
Cs0124	Chr9_136777912	[G/A]	AGATCGGTGCAATCAATTCAGATCTCGTGATTCTTTATGGATTAGATCGGATTTTGAT[G/A]TGAAGCTGTGAAGGATTGCTAAAGTGTTCCTTTATGCTTTTTTGATGGGCTTCTTTTGT
Cs0131	Chr6_124702717	[A/G]	AGTCAAGCAATCCCTTCATGGCTATTATTATGGTATTCTATTCTCTATTGCTTC[A/G]GCTTCAGAGGCTGCAGTCACATGCAGCGATGTCGTTAAGGACATGAGACCATGTGTGAACT
Cs0132	Chr10_160018286	[C/T]	ACAAAGAATGGTGGGAAGAGACTGACAAGAAGTTCAGGCATGGCTCGGACAGCAGGT[C/T]CTCCGTTGTTATGAACCCCATCAGTCGCCAGAATTTTATTGTCAAGTCAAATGTCGAAGC
Cs0146	Chr11_107217109	[C/T]	AATCGGTCCGCCTCCCCTACTTGCCCTTCATAAGGAATAGTTTGGAGGAGAATGAATTG[C/T]CGTAATATGTTGGCACCAAGCAAGGTACCATTCCATTTATCCCCTAGAGAGAGGAAAG
Cs0170	Chr8_27042315	[G/T]	TGGTTCAGTTGGTAGAAGTGATGAGACAGTGAAAGAACTTGGGATCATCGATCTCTCC[G/T]TGAAGATTGAGATGAGTTGATGTGGGTTGATGGTGTGAAAACACATGCTGATGTGATGATG
Cs0190	Chr4_10363033	[T/A]	ATAAAGAATTATGTTTTGGGAGGAAATTGGGGAGAAAAACGGTTATTACCATCTCTGCAGAGG[T/A]CCCAAGGCTCATAACCTATGTGGTGTGATTCCATGGTCTCAACTGTTGCTGTCTCCATA
Cs0198	Chr6_12541713	[A/G]	TTCGTGATGAGGCCCTGAATCGCACTCAACATGAAGGCGGTGGAGTACGAGTTCCTCCA[A/G]GAGCAATTAGGTGCAAGAGCGATCTACTTCTCAAATTGAACCCGGTTTACAAGAAAAATCC
Cs0207	Chr1_18171074	[T/G]	GTTAGCGCAAGAGGCTTCGAGGCTCGCTCGATAACAAGAAGCCTACTATTACGTC[T/G]CGGGAGATTGAGACTGCTGTTAGGCTGTTCTTCCCGGTGAATTGGCCAAAGCAGCTGTAT
Cs0210	Chr11_63145460	[A/T]	GTATATTTGGGCTTAGAACAACTTGTTGGCTGATTTTTAGGGGAAATTAGTGAAAAAG[A/T]GTGTGATGGTTTTACTCTGTTTATGTTAGGATTTCTATTGATTCATGGATGAAATGAA
Cs0213	Chr6_10747370	[G/A]	AGCAAAACATGTATTTGGTGCTTCAAGAGTTGCAGCAACTTCCAGCACTGGAAAGTTGG[G/A]GTTGCTGAAAAGCTTGGTGCCGATTGGCCATTGACTACACTAAGGAAAACTTCGAAGAC
Cs0215	Chr9_87029066	[C/T]	CGTTGCAGGAGGCAGCAGAGGCATACCTGTTGGGTTGTTTGAAGATACTAATCTTTG[C/T]GCAATTATGCCAAGCGGGTGACCATTATGCCTAAAGATATTGAGCTTGCAAGGAGAATTA
Cs0219	Chr14_10338523	[A/G]	TTTAGGCCCTCTCAGTGAGGCCATCAAAGAAGTCCGTGGCTGTGAATTTCAAGGCCAG[A/G]GCTCGGTTTGAAGTCAAAGCCCTCTGAAGGAAAAGGCCATCACAGGGCTAATAGCAGCTG
Cs1001	Chr10_32566367	[G/C]	GGCCCAACGCTTTCGAGGCCGCGATGCCGTAACAACTTCAAACCGCTGTGCGAAAAACGAAGAGCAAGACGAATTAGAGA[G/C]CTTGTTCTGAATTCCCACTCGAAATCCGAGATGTTGACATGCT
Cs1003	Chr13_103611988	[T/G]	GATGCTTTTTTGCCTGGACGTTTGTAAAACGACGGCCACTGTGGCAAACACTTCTGTATTTTTTGGCCTGTGTTGAC[T/G]CTTGCAATCTGCTTGTTCCTGTATATCCCCATCGGGCCAAGCTGCTC
Cs1004	Chr7_47537193	[C/T]	GTGTTCAAACAGAAATTTTACTAATAACAGATGAAGGTTTTGGAATAACCCATAATCCTATCACATTACAAAAGCAGG[C/T]AGCAGAACTAGCAAACCTGAGACACAATGTCCTGTATCAAGCTGATT
Cs1005	Chr7_72262640	[C/G]	TTCTGGCGCCCAAAACATTTATTGAAGTGAAGTGTGACCGATTTGATATCTTCTCAGCAAAAGAGACAGATTTCTT[C/G]TTGGAACACCTTCAGCGAGTGTTCCTTGATGTTGTTCAAAGACT
Cs1006	Chr7_62598142	[T/C]	ACTGTAAGGTCCTTTGGGATCAGGCGTAATGAGAAGATTGCTTGCTATGTCACAGTCAGAGGTGAGAAGGCAATGCAACT[T/C]CTGGAGAGTGGATTGAAGGTGAAGGAATATGAGCTGCTGCGAA
Cs1007	Chr2_100283327	[T/C]	AGAACCATCTTGGTAACATAAGTAGATGTAGATGCAAAAGAAGCTAACATTTCTCAGGAACAGAAACCGTAGGAAGCAGCG[T/C]ATTCTTCATTTCTTTCCATCCATACCTTCTCCAAGTAACGAATTTT
Cs1009	Chr2_212987422	[T/G]	ATAGGTGTCCCCATTATCCCCGACATTAAGCTGGTCATTATCTATTGGCTATTCTCAACAGACTTCAGGGAAGGGGCTAT[T/G]ACCTGTACTGACCTTGAAATCTCTGTTTAAACACGGTATGGTTCTTAG
Cs1011	Chr11_113461508	[A/G]	GATTGAGATCAAAATTCCTTATGTTGAGTCTGGTACTTATGTGGCCTACAACAATGAGAAGGGTGGGGTTATTGAGAGCTT[A/G]AAAGAAGATGGTATTGTTGATTGGACTCCGAAGTTCATTCTGTC
Cs1013	Chr5_15084756	[C/G]	TTATTATTTTTTGGGATTGAATTTGATTCTTTTATTTTGTGTTTGTAGTCTCAGAGAGCGTTTATGAGATCTCTGTTTT[C/G]GGGTTTCTTCAGATTGTAAAGCTTTCAATTTGAGTCTGATAATAATAGT
Cs1014	Chr4_190358496	[G/A]	TGTTGCTTCTATGTGATTATGTGGTTTGAAGAAATAAACGAAATTATTGTCTGGAGGGTAGTAATCTGTAGTTTGTGG[G/A]GAGTAGAGCCGCTTGTAGTTTGATTGTCTACCCATGTTATATAA
Cs1015	Chr9_158421509	[G/A]	AAGGAGTTTAAGACTGCCATAGACTGTTATTCTCAGTTTGTGGATGTGGGAACCATGGTTTCACCAACTGTATATGCCCG[G/A]CGGAGTCTTTGTTATCTCTCTGTGACCAACCGGATGCTGCACTTC
Cs1016	Chr9_1413924	[A/T]	CGCCATGGATTGAAAAAAGTTTATCAGTGGATTTTGGAGACAACAAGAGGGAGGATCAAGAGTAAACACTGTTGATATACT[A/T]GCCCACCTGCAGACTGAGCTGGACTGTTGTGGAGAGGAGCCATC
Cs1017	Chr12_145709536	[C/T]	GTGGAATCTAGGTAGTACGAAGCGAGTAATAGCTTGGTGGGTTTGATTGCTCTGTTTTAGTACCTACTCTGTTCT[C/T]GGATCTTCATTCGCCATTCTCTACCCCTTCAATTTAAATCTCGGAGAC
Cs1018	Chr6_102627716	[C/A]	GGCGAGATCAACAGTCGCCAAACAATCACCGTCTCTGCTCTCAACAACGCGGCTATGTCCGCCCTCGTAGCCAAACACCC[C/A]CTTTCCGTCATCAAGAAGCGCCCTCCGCCTCCACGTCTCTCTCGACTA

Cs1019	Chr4_190357596	[A/G]	GGAGAAGGGACTCAACCACTGCGAGTTTGAGTGCTGCTAACTCTAATATCCCTGGACCTACTTTGAACCTTTCTGCTCTT[A/G]TCACTGCCTTCTCAAACAAAGGTTTATCTGCTAATGAAATGGTGGCTCTGTCAAGGTTCTCACACAATAGGCCAAGCAAGG
Cs1020	Chr14_35288154	[C/G]	CCTCCCCCTCCACTTCCAGGTCTTTCAACGCCAAGGATAAAGATCGCTTGTGCGGCTCAGTCCATTTTGACCGCCACCAAG[C/G]CCACACCTGATCACAGGGACTCTCGCTCTGCCTCTTTGCCTGAAAAACAAAGGTTCAGATGAGGAATCTGAAACAGACAGT
Cs1021	Chr2_92132090	[T/C]	AAATAACCCGGCCTTCTGGTTCACTGTTTGATGCTGTTTCGATCCAAAGAGAAAGAGACCTTTTTCGGTTGGAAACACTTTT[T/C]TTATAAACAAATGCAGTCCCTGCATACTTTGAATCTGAAAGAGACCACATACATTATAATTTCTAAATGGTGGACTTGAA
Cs1023	Chr13_59187162	[G/A]	GATACGCTGCGATTGCCGATGAAAGTTATGGCGGAGGAGGCTGATGGGTGCGTGAAATTTGGGCAGGGTGATGGGTCTGC[G/A]TATTTGTTTGATCCGGATATTTATACAGATGGGAGGATTTCGGTGCAGGGGATTGATGGGGTTTTGTTTCCGCCGAGGA
Cs1024	Chr10_64822746	[A/T]	TCCTCCATTTCTCCGGTCTCTCCAGCAACTTTTCGATCTCAAACCTGGCCAGAAGCTTTCAGTCTCCGCGAGTTTCAAACAGGGG[A/T]AGATAATCGGCGGGGGAGTTGCGAAGCAGTTTCGTCGAGATTGTCGTATTTGCGAGAGATCAGCGAGATCGACTTGAGGAA
Cs1025	Chr1_118604305	[A/G]	TCACGTGAGCTTTGGTCTACGAAGTGCCACACGCTTGGTAATACATCGAGATTGGCAATTCAAAGGAAATCAAACCAACC[A/G]GGATTGAGCCGCAAGCTTTTTGTTTGTGCGAGAGACAATGATAGTAGAGGTGGAGGAGGTGATTTTGTGCGAGTTTCCT
Cs1026	Chr9_15894508	[T/C]	GGCCACATAATCAGATCCTCTTGGTTCAGTCTGCTTCATCTGCAGATAATGACTGATATGCCTTCAAATTATCAGGAGG[T/C]TTTGAATAGTTCCATCCCATAGAACACACAAAGCTTTGTGTAAGCCCAAGTGATCCACAAGCAAGTCGGCTCTATCTGA
Cs1027	Chr9_83255204	[C/T]	TGCTCACCTCCCTCTTCCGGCAGATCTGAGGTCCATAATGTAAGGTTATCTCTAAGAAGCTGCATTATAAGAGTGCTGTC[C/T]TTGTAGGAATCTTCATTGAGGCTATCAAGTTCAGCAATGGCCTCATCAAATGCTTGTTAGCCAGATGGCAAGCCCTCTC
Cs1029	Chr9_26914485	[T/C]	AAAAAAGTTTAGGATTATGGAACCTTGTGTTGTGCCATATTTATGCGAAAATGGTGTGATGATGATGATAAATCTTCTTT[T/C]GTCTACATACCGCTGGGAAGCTGAGACAATTGTGTGTTTGTCTTTAGTTGTGATTAATAAGGAGTTTATTTGGTAGCA
Cs1032	Chr10_87675374	[T/C]	AACTGTTTCTCTTCTGGTGGTGTCTGTACCGTTTTGAGTATGCCGCTACTCCTGCTCTTTCTTGCAAAGGCACGTGG[T/C]GGAACCTGCACTCTCGCTGTTTCAGACCCAGATGACATTGTGGTCCATCGGGCTAACTACCTGCTTACCAACGGCTTTGG
Cs1033	Chr2_53564457	[T/A]	GATTAGTCGGTCTAAACAACAATTTCTCAAAATAAAATAAAGAAAGTAAAGCTAGTCCATGAGATTTCATGACTTTC[T/A]TCCAGGCAGGCCTGCTTGAAATATCCATCCACCAAGAATTCACATTCTTCTGTTTCTAACCAAGTGTTCAAGCCGAGCT
Cs1047	Chr3_29013970	[T/A]	GATCTCGACGCGTTGATATCGGTGACGAATGACGACGATCTCGAGCATATGATGCACGAGTACGATCGGTTGTTTAGGGC[T/A]TCGTGCAAGCCGGCGAGATTGCGGTTGTTTTGTTTCGCCGATGAGAGTCGGCGCGCGCGCTCGCAAGGGAGTTTTGG
Cs1050	Chr5_172740973	[G/A]	AACCAGTGATATCCAGCCACAGGAGTGAACCTTTGGATTAGGACCAACCCTGACAAACTCACCATTAGGCACTCCGGAAG[G/A]TAACCTTGAATGGTGAGGTCCTTGCAAGGAGGAGTCTCGTCGTGAACGGGACCGAAATACCGCGCAGGTAGTGGTGAGG
Cs1052	Chr7_169124394	[G/A]	GGAGCATGACTGGTGGTCCCTACTGCAGACCAAGCACTGGAAGCGCAACACTGCCATCGCCATGGCTGGTATCTTCTC[G/A]TCTGCATCCCCATGCCATGAAATCTGCCCAACTCGAGCAACGACCACATCAACCAGTTCGCCCCATACCTCGCAGCTC
Cs1053	Chr3_14632103	[G/A]	ATCAAAACTCGGATCAGCCTTTAGGACTGCCCGAAAAATCCAGACTCAGTTCGGGGCCAAAATGGACGACTGCCACATA[G/A]AAGGATATATGCTATCACTCTATACTCCACACATCGGCCTCAGTACTGTAAAGATCTGTGCAAACTTCAGGTGCCACAT
Cs1055	Chr2_132585284	[T/C]	CTCACTATTAACATTTACAAATTACATCAGTGTAGTAGAATGGCTTCATCTTTGTACTCAGAAGAAGCCTTTGATGATGA[T/C]ATTTCTTGCTGAATGTTTAATCATATATAATAAATGATCAGTAAAAAATAGTGGTAAAAATTACTGCATACATGTA
Cs1058	Chr2_14815163	[G/A]	ATAATTGCCTTCACGGGGACGGTGGCGGGGACAGAAGACGCGGTACTCGGTGGCTTTGGGGACGGCGTCCTTGTAAGTCTGG[G/A]TGAGCGCAGGGTCCGGTGATCTCCCATGGCTCTTTATGTAACGTCTTAGGGTTTGCATCAGGGATTTCGCGGCTGATGC
Cs1059	Chr6_95937012	[G/A]	CAGTTACATAATAAATACTGACCATGAACATATGAATGGCTGCAGAACATCGAGACAAAGTCTGCAGAAAAAATCTATC[G/A]TGGAGAGGGAGAGAGATGATGGGAACCTATTCTTCATGAACAAGAGGGCTGTAAACAGGATACCATGTTGTGTGT
Cs1066	Chr6_175877471	[T/C]	GCAATGCCCAATGCGAATACATAATGAGCCGTGAATGTTCAACAATCTTTGTGTTTTGCATGACACGCAATTGGGGTAA[T/C]ACAGAAACAGCTTCAGATATACACAGAATGCCAAAAAATCCTGTGATAAAATGATGTGACGTAGATGGATGAATTA
Cs1068	Chr13_103396013	[G/T]	GTTATGTCATCTTGGAATTTCCCTTTGGACTATCATTGGAACCTTTAATTGGAGCAATAGCTGCAGGAAACGTAGTGGT[G/T]CTAAACCTTCAGAGCTAGCTCCTGCGTGTTCTTCAATTCTAGCTAAGACCATCCACTTTACCTAGACAACAAGCTGT
Cs1069	Chr3_53310112	[G/A]	CGCCTCTCCGATGGACGCTTGTCTCGATCTCCTGCAAAAGCGTGAACACGAGCTTTTTGAGGCCATACCTAGACTC[G/A]CTGGGAACCACGTTCAAAATGGTGCCAAATTTGCGGTGGTGGGGTCTCTACTCTCCCTAAATACCTACCTTTTGCAAT
Cs1070	Chr5_59047087	[T/C]	CCACGGGAAACCTCATCGGCAATAAAGTAGGTAATAAGGAAGTAAAGGATGAAGTCTGAGTCTGTTGCCAACTCTC[T/C]AAGGCTTCCTTGAAAAGGACCGAGTCAGACCTAGTCACAGCAAGGTCGGTGATTTATCGAAGTATAGCTGAAGCTCCCT
Cs1072	Chr8_144127335	[G/A]	GTTGCTTATATATAAGCTTTAACTAGAAATAGGCAATCCTTTCCACCATATACTAGTTGGAAGAAACGATAAAATTACA[G/A]AAGACAAGGATAGCATCTTAAGTGGTTAAGTCATCTCAGTAATCAAGAGACCCATAGATGCGATCCAGAGCTCAAAAT
Cs1074	Chr6_165764932	[A/G]	GGCCAATGGAGTGACAAGACTCGTTTAAACAACATGTGACCCCCATGCAAGCGCACAAATACCAACTCAGAATCTCCTCA[A/G]GAGGTTGACAATAAGAAGGAAATATTTTACATATGATGTTGAGTTTCAAGAAAGTGACGTGAAGTGGGCATATCGATG
Cs1076	Chr4_28383983	[C/T]	GAAGACACTATGAACCTTTATAAGGCTGCTCAGGATATTGCACTGGTTGATCTGGCTTCGACACATCCCATAGGCTGGG[C/T]TTAGCTCTCAACTTCTCGGTGTTCTACTACGAGATTCTCAATTCATCTGATAAGGCTTGATGATGGCAAAACAGGCATT

Cs1083	Chr12_78265487	[C/A]	AAATTTCCCATTTACAATTGCTTGAAAAAAGGAAGACGAAGACGAAGGCGAAAAACCAACACCATGTTCCAGCTCCTCCA[C/A]CTACGCTTCCCTAGCCATTTCTGGCGCCGCCACCACCACCACAAAC CCACAAAACCTGGTCTCATAATTCAACCCAACAAC
Cs1089	Chr4_13064758	[C/G]	AAACAATTGGGTATCAACATAGACTTCTATTCCAAAAATACCAATTCTGGGTCATGTTTTCCGTACTAACACAACAGC[C/G]AAAGTATTTCTATGAACTAGCAACATGTCCTTGGCAAGATCAATAGC AATCACCCCTGCACTACAACCCATACCCCCCAA
Cs1090	Chr10_160924674	[T/C]	ATATGGTGGCAGACCTTGACCCCTCATATGCAATCTCCAGTTGAGGATTTGAATATCACTAAAACCATTTGGAAGGTTATG[T/C]GGACCTGCCTTGGGAGACCAGCAACAAGGCAACTTTTCGATTGAC CATTGGAAAAATGCTTTCGAAGATGCTTTCAAAGG
Cs1094	Chr4_160451737	[T/C]	TGTGGTGGTGGTGGAGAAGTGGAGTTTGGAGCGGAGGATAGGGTGGGAGATTGGAGATTGTGGAGGGTATTTTGGAGAA[T/C]TGAGAAGTTAGGTGGTTAGAGAGAGGAGAGAGAGGACG GTTATGCCGGTGCCGCCGGGACCGCTTGCCACGACTCT
Cs1095	Chr13_125763312	[A/G]	ATCATAGAATCTCTTGAGACATCGCAGCACCAGACAGCGCGTGTGGCCGCGATAAGTGCCAAGGCGCTCGCCGTTGTC[A/G]GCGAACCAGACGGTCGGGGTGTGATCCTTGGCGCAGGAGAAGA GGAGATCACCGTCCTGTTGTACTTCAAGAATGTCAA
Cs1100	Chr7_171516281	[C/A]	ACATCGTCAGCAATCTTGTCTCCACATAATCAGCGCCTCCGCTATCGCAAGTCCACCCAACACCCAGCCACCGCACC[C/A]ACAGCCAATCCCGTCCCATCCCCATTCCACCAAACCTTGCTCTTCTTC TCTTCCTTCACTGCCGTATCCATATTCCTG
Cs1102	Chr15_26158829	[C/G]	ATGAGTGACTTATGGATATGTGGGATAACTCCACCACCAGCAATGGTTCCTTTGATTAGGGTGTCAAGTTCTTCATCTCC[C/G]CGAATTGCAAGCTGCAATGTCTCGGTGTTATGCGCTTTACCTTCAG CTTTTGTCTGCATTTCTGCTAATCCAGCAC
Cs1103	Chr2_68330894	[T/C]	CTCCAAATCGTATTGTCAAATCCAGATGAAACGATCTTCTCCAACAGCTGCAAAACATTTGATTTGAGTATTCACCTT[T/C]CGATCTAATCTACCACTATATCCAATACCTGAATCCATTTCACTATTA AACCATCATAGCTACTGGACAATATACTTT
Cs1106	Chr7_21128265	[T/G]	AGCGAAGAGAGAAGTACCTTGCTCGGCAACAGGTTGAGGCGGTAGATTCAAGTGTAAATTGCAATTTGCTTTTCTGTAAG[T/G]GCTGCTCCGCTAGAAAGAATTGTTAAAGCTGCCTGTATTTTAA TTTCTTCTGATGTTCAATGCTTAAAAATAGAGGAA
Cs1115	Chr1_155665850	[T/C]	ATAGACCCAGACTCGAGCATTAAATGTGTATTGAAGATTGTTATATCGAGAGTGGAGATGATCTTGTAGCGGTGAAGAG[T/C]GGGTGGGACCAATACGGTATAGCAATGGCACGTCCAAGCTCTAA CATCATATAAGGAGAGTCTCAGGCACAACCTCCGAC
Cs1118	Chr7_184472573	[T/C]	TTATGTACTTATGGAGGCATGTTGTTATGGCATGCACTATGTTTTCTTGGCTATAAAAACACTTGGTTAGACCTATATA[T/C]GATTGTCTCACCTTTATTTGATTCTTAATAGCTTCTGCATATCGTATGT GTATGGGTTTAAATGTTACTTGGAAAGTTGAT
Cs1119	Chr2_99286154	[C/T]	CTTGAAGATCTGGGTACCACATATGCGGTGAGTGTCTCATAGCTTGACAACCAATCCTTCTGTGAATATTTAGGAACAA[C/T]AGCAAGGAGGGTTGCTAAATGTTCTGACGCAATGATATCTTGTGG CTTCACTAAATGGACAGATCACGAACAGCCAAAGC
Cs1126	Chr8_115325201	[C/T]	AAACAACAGGGAATCTTGATAAATGGGCAGTTTCCAGGGCCACAGATCGACTGTGTCACCAATGACAACCTCATTATCAG[C/T]GTCTTCAATTACTTGAATGAGCCTTTTCTCATCTCTTGAATGGCTT ACAACACAGGAGGAATTCATGGCAGGACGGGAT
Cs1127	Chr8_160021685	[T/G]	GACACCCCTTTTTTAAATACTGTAGGTGTTTTCTCCACTAAATCCTTCGCTTCTTGAGACCCAAATCAGTAAACTCCT[T/G]ATTTCTTGATTACCTTAATCTTTGAAGTGCATCATATGACTCCAATTT CAATTCAAAGACAGTCTTTCCAGTTTCTT
Cs1132	Chr2_118582107	[C/T]	GTGGTTGGTTTTGATTTTGGGAACGAGAGCTGTGTTGTTGCCGTTGCAAGGCAAGAGGAATTGATGTTGTACTCAATGA[C/T]GAATCAAAGCGCGAGACTCCCGCTATTGTATGTTTTGGTGAAAGA CAGCGCTTCTTGGAACTGCTGGGGCTGCGTCAAG
Cs1135	Chr8_143880364	[C/G]	AACGACCACTCCGCCACCGTACCGCCCTCTCCTTCTTCACTCCGCGTCCCTCTCCTTCCCCCGCAACCTCATCTCCGC[C/G]TCCGACGACGGCGCGTTCATCTACGACGCCGACCTTTCTGTACAC CTCAAGACTGTTATGCTCATAGAAGGAGAT
Cs1138	Chr8_149778850	[A/C]	TTGGAATCACACACAATGGGAAGGACAGTTACAATGAAGGTAAAGTCTATGGGTTGATGATTTTAAAGGTAATTTTATGAT[A/C]GGTTGGTGAGAGTGAAGACCATGTTGATCCACAGAATTTATTCA GAAATGAACAGAGCATTCTCCATTTCCAGCTAAG
Cs1150	Chr8_11348449	[A/T]	CGAAGGAATAACCAATGACAAGCAGAACCATTGATTGAGAAAATATGCAATAACTAGTAGCTCTCAAATTTGCAAACT[A/T]GATTAGTTCAAAAAATTGCAAGACTGATCCTTGCGGGCCAC AACTGAAAACTATGGGGAGAATAACCCCGTAA
Cs1157	Chr1_157230677	[G/T]	CTTGATCCCCCAAAATACGCTTCCAAGTCCCCGATGTGATCCTTCTGAGTTCTTGACCACGAAGCTCTGGTTGCAGAG[G/T]GTTCCGAGGAGATCGCGATTGCGGTCTTCTCGGTTGTTATTT GTCAGATGGGTACGAGGCTGTTCTTAAGCACGA
Cs1164	Chr14_22467211	[G/T]	CGGTGAGGGGGCAGCCGTGAGAAAGAGAGAGAGGGGAGGCGAAAGCCTCTACAGCAGCGCCGGTGGAGGAGCAGAGAGAAGA[G/T]AACAACGGCGGGAAGAGAGAGAGAGAGAGCAGCAGCCTC CTTGTGTTGGGATTGTGTTAGCCAAACCCTAAACACACACA
Cs1166	Chr7_165941251	[G/C]	TGTTTACCTATTTATTAGTTTAAATCAAACATATGCTCTTTTTTCTCGCACGTGTCTGAATAGCATTTCTCCGAAATG[G/C]TTATCACGCGAGTTTCTTCTTTCAAATTCAGTTTGTGATGCTGGAC GTATTGTTTGTTTTACATGATTGTTCAACA
Cs1189	Chr7_36484283	[C/G]	GTCTCTGTAGGTGCAGGAATGTCTCCGATGGAGATGATGCAGTCACCAAGGGACGACGGAGATGAGGCCATTGCAGGCGG[C/G]GCCACCATGCGCACGGCAGAGACATTGCTGCTCTACTGCCAA TGGGACTGTGATTGTGGCTCTTGTGGTGATGCTCAA
Cs1191	Chr3_56400947	[T/A]	TTTTTGTCTTTTCCAAACTCAAACCACATACAACCTCGAGAGCTTGTTAAATTATAATACATTTTATAGTTCCAACAA[T/A]GAAACATCAGGAACCTGCACATCATATACAAATGTAAACTTAGTACA AAATTTTGAAAGCAACATCTAAAAACCATC
Cs1199	Chr3_159769278	[A/C]	TAACATAAATCAATATAAAACCTTAGAGCCTCCTCCGTCCTTCTGATTCTAGGGTTTGTGTGTTTGGTGTTTGGTA[A/C]GGTGTTGAGCAAAACCAGAGCGGCGGCGACACTCTCCACACCACCGTC AACATGGGTGCGATGCACAGTCGAGGTAAGGGT
Cs1200	Chr7_1761365	[A/T]	ATGTTGGCCATCCTGGAGGAAGGGAGGAATACGAGGCAGTACAAGCTTTGCTTCTGGATTACCTGTTGAGAATTGGATC[A/T]GTTGCAAGCTTCAGATGCTGAACCGACCATTTGGCTCAATACTTG TTCTTGTTTTGAAGAGATAAATACGCATTTGCTTT

Cs1208	Chr9_134144668	[C/A]	CAATTGAGATTTGAGAGAAAATAGCGTAGCAGTGGAGAAAATGAAGGACGAAGAAGCACAGACCACAACAACGAAGACCA[C/A]TTGGAAGAAGGTGTACACAGTTCAGTCTCAAATGGGGAAGCA TCGCTACAAATTGTGGGCCTTAGCCGCCATTCTGTTGC
Cs1220	Chr4_3667318	[G/T]	CAAAAGAGAAATTGAGAAAACGTTTCCCTTCTGTCTGAAACAAAAAGTCTTTAAGTGGCAGGCCATACCCAAATGGTAAAA[G/T]AAGTTTTCCAACCACAAAAATTGGATATCTGGGTTCAATTTCTAG TTGTGCTTTTTTGAATCAACCCATAAATGAGAT
Cs1222	Chr2_53564356	[A/T]	ATATCCATCCACCAAGAATTACATTTCTTCTGTTTCTAACCAAGTGTCCAAGCCCAGTTCATTCAACAGATACCTAAT[A/T]GCCGGAAGGTGGCTGAGGTGAGCGAGCGTGAACGAATCTCCAGCTA GATAGTTGCTCTTCGACAACCTCTGCTCATAGAT
Cs1226	Chr7_1770711	[T/G]	ATTTATGCTGCAGAGAACATAGAGAAAGCCTAAAAAGCCAAAAGGCCAAAAATAAAAGGGTACTCTCTCAGTCACAGA[T/G]ATGGATGATGGATGGAATTTGATCGACTCGACTAGACTACACAC ACAGCTGCTGCTTTATACACTACTCTGCTGTCCCGA
Cs1228	Chr11_6221835	[G/T]	TCTAAATCTTCTGCCCTGACGATGGAGATGATGAGTTTGACAGATTTGATGATTTAGGTTCACCATATTAATGATCCC[G/T]CCTATAACAATCATTTTGGTGAACATGACAGCGATTGCAGTGGGGG TATTCAGGACATTGTACAGCCCCTTCCCGCAATG
Cs1243	Chr7_3904046	[G/T]	GCGACAAGGTTCAAAATTCATGAGAGAGGTGATGAAGAAAGTAATGTTTTTGTGGTTGTTTTTGTGTTTTTACTTTT[G/T]CATTTTTCGAATATTCGATGTGGAGTAGCATTTAATCCCTGGAGTTT AATGCCCGGGTCTTATTGTTATGTTTACGTT
Cs1247	Chr4_156663019	[C/G]	ATGTTGATGACATAAACAGGAATATAGCGACTCTGACGGATTGGGTGGGAGCTGGTGCCTAAACCCTAATGATATCAA[C/G]ATCCACGCTCTCTAAAAGGCATATAATCCTTTCTGTAAAAGGGT CGTGGGGGACTTGATGCATCATTTGACCTATTTTC
Cs1251	Chr2_148410528	[A/C]	TCCATTCCCAAAATCCTGCTTGCACACTCTTGAACCTTGGAAGTCTCAAGTCTGGCTAAAACCTACTACAATCAATCCC[A/C]ATTCCAACACTGCTGTATGACTGCTGATCAGGAAGTGGTATGAGAG GCGTTTCTTAGCTGACCCACTTCGTTCCCTTTTC
Cs1256	Chr4_23738581	[C/G]	GAGTGAACGACACAGAACGATTTCCTTGGCAGATCATGACTCTGACGCGACTTCTCTGGCTTGAGTTTCTCGTTTACAG[C/G]TTCCTTCTCATGGTGCCTTCGAGCTGGCTTAAGTTACCTTCTCCTT TATCAGTTGGATGTGGTGGTCTTGCAAGTAAA
Cs1264	Chr12_133694756	[A/T]	TCACCTCCAATGACAGAAATTTGAGTAAATTTGCAATAGATTAAAAACAAGAACTCAGAAACCTCCAATTTGACAGCTA[A/T]TCCTTCTTGAACCGCTAGGCAACTCATCTGCCAAGTTGCTTGCCA CTGCTTGTCATAAAAAGTACTTTCTTCCACAAG
Cs1271	Chr10_16317600	[C/G]	TCTCCCGAAAAAATTTACCCGGTTCACCCATCTATTTACAGCCCTGCCACTCTCCGCCATTGAAGACAGCTTAGCAGAG[C/G]TTTTATTAGCATATGTAGCAAATGAAACACCCTTTTTTGCATAGTCTT TGAAGGTATTGTTAACTCCATAGATTTTGAAG
Cs1279	Chr1_187717758	[T/A]	TGTTTAAGCTTAACCAAGATCCAGAACCTAAGTCACGATCGAATGACCAATTGGGCAATCTTAGGCTCAGTTTAAAGCCA[T/A]GTTTCATCATCGCGAGGCGGCGGAGGAGCACTGAATTTTC AGTCCTCACCTAAAAAGCGGCGACCCGGGACACCA
Cs1285	Chr2_211471424	[G/C]	GACTCTGTTGAAGTTGAAGGTGGCTCGGAATTAAGCGCCGCTGTGAGCGGAGGAAGCTCATCTGGGTGCGATGTTGG[G/C]CCACCGGAGGCTTTGATTGCCAGAGACTGACAGCGGCGGTTA TAACGGCGACCCAGGTCCATATCTTATTGACGGCCGT
Cs1286	Chr3_60812722	[A/T]	GCTGCAATAGCTCTTTGACTCTGATTCTTCTGTTTCCCATTAACCTTTGGACTATCAACACCTACAGAATTAGCTCC[A/T]CCAAACCATATCTTTTTGACAATTCATAGCTTTTTGCTCATGAGCCTT TGAAAAAGTCCGATCCTCGCCCATTTTACT
Cs1292	Chr8_111097531	[T/G]	TTTCTTTTATCCATTAGGCTGTGTTTGAGAGGGTAGGAGTAGAGAGGCGAAATGGAATCTCATTTCAAGTTTCCTTCA[T/G]TCTATCATTTGTATGTATTGAGACATGGAATGTGATTTGCGACATTG ATGAGTAAGCAATCAAGCAGGGTTGTAGACCTG
Cs1299	Chr1_215329449	[C/G]	CCAAAAATCCTTCTCCTTGACGAAGCAACGAGTGCCTTGATGCAGGTTGAGAGAGCATTGTTCAAGAAGCTCTAGACCG[C/G]CTCATGGTTGGCAGGACAACCGTAGTGGTCGCTCATCGCCTCTCT ACAATAAGAAACGTTGATTCAATTGCAATGAGTCATACA
Cs1303	Chr9_112336137	[G/T]	CCCCGACACACAGGCATCAGTTACACTTTATCGCTGTATTCTGATCCTGCAAGAAAGGAAAGCAGGACTAATATGGACTC[G/T]GAGTTACAGTTCTTCCATTTCTCTCTCCTTTGAAAGAACTTCTT TTCAATCTCCTCACTATCACCATAAAGCCTATT
Cs1305	Chr14_70587517	[A/C]	AAACTTTCTACACTGTTTGTGATTTGAAAGAGAAAGCAGTGTCTCCCTCTCTCTCTTATCAATCAATATTTGTGTT[A/C]TTCTCCAAACCCTAATTCATCCAATTCTACAATTTTCTTCAATTCAAAC TGAAACACACACATATATACAGAGATATGG
Cs1317	Chr2_148410115	[G/T]	CCAGTGATATTAGCACATCTCCTCTGCAATAGGCGGGTGAGTTGAGAGAGGGAAATAGTAGAGACGT[G/T]GAAGATGTACATATTCTGCTTCTGAATTAGCTGCAACAGAACAA GCTAGAGGGGAAACAAAAGGACCTAAAAATCATTG
Cs1323	Chr1_203133696	[G/T]	ACCAGATCCTCTTTGTATGTCATATCCCGGTCCACGTTGTGCCTCATATCCTCCAGGTCCCCTTTGTCCATCATAACCAA[G/T]TCCTCTTGAGCATCATAACCAGATCCCATCTGAGCATCATAGCCAGC TCCCCTCTGCGAATCATAGCCAGCTCCCCTCT
Cs1328	Chr6_3295737	[T/G]	ACTTTGTGGGTGAGTCTTCCCAATTTAGAGGGCTGTTAACTGAGGCTTTATTGAACTCCAAGTTTCTTGATTGATTTT[T/G]GAGGTTAGAGAAATTGAAAAGTTCTGACCATGGTGGTGTAAAGAA TTCTATACCAAGTGGAAGAGAATTTATTTTGG
Cs1343	Chr14_23530270	[C/A]	GGTCACAAAACAGTTGAGAAACGAATCGGCAATTGTGCAATCGGAGAGAGAAATCTCACAGAAGCAGATTGAGGATCTTC[C/A]AAGTCGTACCTGTCCACAACAGCCACACCCAGCTAGAGCGAG AGTAGAGAGAGAAAGAAACAGAGAGAGTCGGTCTAT
Cs1350	Chr5_4163678	[A/C]	GTTGTTAGGGCCGAGGAAAAAGTCAGGGTTGAGAGGCGAGATGCTGAAGCTAGAGTAAAGGAAGCTACAAAAAGAGGC[A/C]GCAGCTTTAAGGAGAAGCAAGAGCTTCTGCATATGTGAAC ATGTTACAAGCACAACTTCAAAGGCAGCAGATTGATAC
Cs1367	Chr11_60020241	[T/G]	TCAGGTATAACTTGCTGAGCAGTACAAACACGCCATTGCGCACAGGTTGTAATGCAGATGTGTGAAACACTTGAATGC[T/G]GATATGGACTCTGATTTGTCACTTAAACCTTCTGGCTCAGGACA TATTTAGATTTAGTGGCAGAGGACATATCATTTGT
Cs1377	Chr8_130438890	[T/A]	TTATAGCAATTTCCGAGCCCTCCGATAGAGGGAAGTAGCGTAGTGATAAAGCCGAGGAGAGATATTACTCGGGCGTGT[T/A]CCATTAGCAGGTACCCCTCCTGTATATGCAAAATCCTGTACCAA AATGTATTGGTTGGTGAGTATGAACATTGTCCG

Cs1415	Chr7_140277144	[G/T]	CACAGCAGAAGTGCAAGGCTGTGAGAAGACTGTTTATCAAGTTGAGCTGTTGTCTGCGGATGGAGTTTCTTATCACAAG[G/T]CATGCTTTAAGTGTAGTCACTGCAAAGGAACGCTCAAGCTGAGC AATTACTCCTCAATGGAAGGTGTTCTATACTGTAAG
Cs1436	Chr8_145930454	[A/C]	ACATTTATCTTACAAACATAAAGACTATATCAAGAATATAACCAGAAAAAGTGAAGTTACAGATTTGATTTAACAA[A/C]AAATCCGAAAGAAAGAAAGAAAGTGCAGAGACAAACCAGGTCA CATTATCAATGCAACCTTGCAACTCTTCTACTCTC
Cs1438	Chr15_32031536	[G/T]	TTTGGTGATCTCATTCTGAAGGCTACTGAGCCACAAATGGTCTTATTCAACATCTATGATGATTGGTTGAAAAGTATTC[G/T]TCCTACACAGCATTCTCCCGACTCATTTTGATTCTGCGTGCTCTTCAC GTGAACAATGAGAAGGCAAAAATGCTATTTAA
Cs1464	Chr7_95782000	[A/C]	AGTTTGAAGCTTGACATGTCTACACTATCCTTGCAACGATTTGTAAATTATCTAATGTACATGAGCTATAATCTATA[A/C]ACTTGGGATATCCTTGCAACATGATTTGTTACTTACGCCTTGATATAA TTTTCGTTACTGAGAATCGACTCACCTGTTG
Cs1483	Chr15_10801115	[G/T]	GCGTCGTTTCCTCAGTACGTGACGGAGGCGATCACGGGGCCGTTGCCGGACCTCCCGGGGTGAAATTGGAAAAAGAGGG[G/T]CTCAAGGTGAAGCATCCGGTGGTGTGTGCCCCGAATTGTCA CGGCGGGGCTCGAGCTGTGGGAGGGGCATCAGTGTGC
Cs1486	Chr3_12899854	[G/T]	TTTGGGAATAAAAATCTTGAAAGCATACGAGTGTGCTCACTTGGAAGGTGTCTCTGTATTCTGGTGAACCTGTAATA[G/T]GACTGACTGGTATTCCCTTTTGTGAATTCAATATGTGAAACAGCA GGAGATTGTGGTTTTTTTTAATATATATATATAT
Cs1559	Chr4_12014053	[G/C]	AATCCTAAGAAATCAAAACCAGAAATACCCGGATCAGAAAAACTCCCAATTAACAAGAAAAGATTAACTCGATAGAAAAA[G/C]CAATTACATTCTTTTTTTTTAAAAAACCACCAAAACCCAAA ATTATTATCAGTTAAAAAGCCAAATGTCAAGTT
Cs1572	Chr3_165036326	[C/A]	CCCTTCAGAGTAAGCTCATCCATAAGGTTAATAATATAGGATTTCTGTAAATATCTATCTTTAAAGTCTTAACAGTAAC[C/A]GGAAATGTGGCTGAAAACATCAATATTTGACGATTTGCAGGTAGAA ATCGAATCAGCTGCTCCACTGATGGTTGGAAGTCA
Cs1612	Chr1_196111981	[G/C]	GAATTGGACCAACAGGCCAATTGTCTTCAAATGGGTACAGTCTAATGATTCTATTGTGGATAAAAAGGCAGAGATTGA[G/C]ACACTGACTGGCCTCTCTGGTGAGCTGGAAAAGAAGCTTGAAGA TCTCGAGCAGTTTGTCTTAACCCAACATCAATCCT