

S. Table 1. SNP codes and flanking sequences for the 96 polymorphic markers used in genotyping Madagascar and reference cacao (*Theobroma cacao* L.) accessions.

SNP ID	LG ^a	Flanking sequences and SNP position
TcSNP11	9	GTCAAATGTTGCTGATCTTATTTGATGCTGTTTTGGGTTGGCTAGATAAAATGGCTACTTG [T/G]AGGTGACAAAGTTTTAAGGTCTGGTGCCCTTACAGTTGGAAGGGGTTTTTGTTCCTGCAC
TcSNP17	2	CAACTCTAATAACAGTGTTTCAAGAGAAAACCCTGAAGACCCAGATCAAGAATCACCCCA [A/G]GAAACAACCTCCCAACGTGAAAGAATAATCCTTATAAATCCATTCACTCAAGGCATGGTG
TcSNP19	3	GAAGAGAAAAAGATGAAGAAGAAGATTGCTCTCGAAACTCCAGAAACCGAGAAGAAGATG [A/C]AGAAGCTGAAGGAGCCGAGGCTAAAAGAGGAGGACAATGATTCGGAGTTGAAGAAGAGTA
TcSNP23	8	AGGTTGTGGGTGCAAGGAAAGATGAATTGCAACAGAAAAATAACCTCGCATTCTAGCATGC [T/C]TGCTTGATGCAGAGAAGCATGAATCAAGGTTTAGTTGTACTCCTTGAAGTCTGATTTCTG
TcSNP25	9	TTTATGTTACTAGTTTTTTGTTGGGTGGTTGTCTGTTTCTTGTTCATTATTTTGTGGAC [C/G]GGACCTTAGTATATCCTGCTTGTCTGCTGTTTTTTGTTTCAGTAGTCTGGGTGTAGT
TcSNP28	5	CGGTGTACAAGGCATTATGGAGGGAGGCCAAAGAGTGATTTATGTTGAACCAGATGAGG [T/G]TGAGCATGGCAAAGGTGTGTTCTGGTATAGGAATAAGCTTTAAATTTGCATGTAGGAAAG
TcSNP32	4	TTCCACTTTTGTCAATATAGATCAGTCATGGATGATATTGTGCAAAAATAATACCATAGT [A/T]CTAAGAAATCATGCACATTTTTGTAAATAGGAAGAATCTGCCATGGTAATGTTGTGTTGA
TcSNP42	1	TTCTTGAGTCAAACCAACACCCAAGAAGGAACCTTCTGGGTATTCCTGTTATAACACATG [A/G]CAAATCCTTAAAGGTGCCAACTAAGTTCGATGCTAGAACAGCTTGGCCACAATGTAGCAC
TcSNP60	4	AACATCAACCAAAAAGCTTTTTATTGGAGGTCTTTCGTACGGAAGTATGATCAGACTCT [T/C]AAGGAAGCATTTTCCGGATTTGGGGATGTCACTGAAGCAAGGATTATCATTGATAGAGAC
TcSNP122	2	AGATCAAAGAAGCTCCCAAACGTGAGGATGAGAAACAACAGTGAAGTCACTAATCCTCGT [T/C]GTAGTATTTTACTTCTCTGGTTGTTTTTGTATGGAGAAGTTGCTTCGTCCCMCAATCGCT
TcSNP139	8	AAATCTAATACTAGTAACATTCTAGACCGATATTTATGTCTAGGGAGAAAGACATYTTGA [T/G]TTTGGCTTGGTGGTTCATGTTGATTTTTCTGTTGATACCAAATCAATCAGACCATCGATG
TcSNP144	10	ACCGACACAGGATTCACCGTGAATGGGGTCAACTATGAAGGCAGCTTGCTATGTGTGGGA [A/C]ATTTGCTCACTTCTTGGGTTCCTCAATAAGTTTTCTCAAATTACTCCCGACAGCTTATCTA
TcSNP150	5	ATACCCTTCGACGACTACTGCTGACTTGGGAACACCCACCAGCGTTTTGCCGGCAACATC [T/G]GGTGACTGGTCTGATTTTTCTCTAATTTTTATCTAGAAGTTTGTCAAGCGTTTAAAATA
TcSNP151	8	TGAAGCTGGAGGGATTGTGGAGAGTGTTGGTGAGGGTGTGACTGATCTCCAACCAGGTGA [T/C]CATGTTCTCCCCATCTTTACTGGAGAATGCAAGGAGTGTGCGCCACTGCTTGTGAGAAGAA
TcSNP160	5	TGTGGTGAAGCGTGAAGATCTTTGGATCACCTCCAACTCTGGAACACTAATCATGCACC [A/T]GAAGATGTACAAGAGGCATTGAATTCTACATTGGAAGACTTACATCTGAAGTATCTAGAT

TcSNP172	9	TCTATCATAAGGTCTTTTTTCAGGTGACTCTTCTTTGGATGGACATTTGTCTTTTGTTAG [A/G]TGCTTTGATTTTGATCTTTATTAGTAGGTTTTACAATCTACTTGTGGATCAAACCTCCAAA
TcSNP193	9	GCATAGAAATTCTACGACAGCTCCCTCAATTTTCCCTGTTATCAAAGTTTCCTGTTTAAT [A/C]TCGTTTTCCATTCTCTGAAAATGTCTCTGATTCCAAGCTTCTTTGGCAGCCGCCGAGCAA
TcSNP205	1	TACATTCTGCACACCCTGAGGCGATAGGCTCACAAGCTATTGACCTTCAATTCTCCATTT [A/G]TTCTTGGAGGGAAATGCGTCATATTAAATAAGACATCTTACCAACAGCAGTTGAATAAGA
TcSNP242	9	AGCAATCTTCCTCCGCCAAACAAGCCATCAATCAAACCCCTCGTTCCTCTGTCTTCGCCTT [T/C]CTCTTCGTTGCCGTCATCGTCATCGATCTCATCATCTCCATTTTCGGGTTCCTTGCCAAT
TcSNP269	8	AACAAAAGAAATCAAACCTGTTCCATTTCAAAAGGAATAGAGAATAAGATAAACTACGATT [A/G]GGAAAGAACAAAACCTAAATATATGATAGCCCCAAAATTCCTGACCACTTGCATATTTAT
TcSNP277	4	CAGCCGTGATGAATACACAAAGGAGAGATTGGAGGCCATAAATGATGAGTTCAAGCTGTA [T/C]CGTTGCCATACGATATTGAACTGTGCTCGTGCTTGCCCTAAGGGCCTGAACCCAGGAAAG
TcSNP309	6	ATTCACTCGAGTAAGAAAAAAATTTACATTTTAAGTACAAGAAATTTCCCAAGATGCCTC [T/C]CTTCCACAAACAATATTCACTCTAAAGCACACCGTCTTCCGTACCATCCAGTGTTTCGTT
TcSNP316	2	CAAGAGTCGGTTCAAGAAATCGTACGGGTTCGAGGAGGAGCACGATTACAGGTTCAAGGT [A/T]TTTCAGGATAACTTGAGACGTGCGGCGCGTCATCAGAAGCTTGACCCGTCTGCGAGTCAC
TcSNP372	4	GGAAATTCTGAAGATTGTGAAGGAGAACTTCGATTTTCAGACCTGGAATGATTTCTATCAA [A/T]CTTGATCTTAAGAGGGGTGGCAATGGCAGGTTTTTGAAGACTGCTGCCTATGGGCATTTT
TcSNP389	10	CTGTTGCAACAAGATGGATGCCACAACCCCCAAATACTCAAAGGCAAGGTATGATGAAAT [T/C]GTGAAGGAAGTTTCTTCATACTTGAAGAAGGTTGGATACAACCCTGACAAGATTCCCTTT
TcSNP395	4	CTCTCTTCTCTCTCACTTTTGCTGTCATTAACATAATCATTTCTGCATTTGTGAAAGCT [T/C]ATAATTTAATCTCTACCAATGGCTGACCGTGACCGCCCTCACCAGATTCAAGGTTACACAA
TcSNP413	3	CGCAGTTTTCTCAGTTTCGGGCAATGATTCTAGTTATATCATGAAACTAAGTTCTTAGGT [T/C]GTTATTATGAGCCTATGCATACAGCATACGTAATGCGGAACTGTAGTTGATACTTTATGT
TcSNP418	1	CAATTCCCTTTCCGGAAAAATCCCACAACAGATAGGGAATCTCCAGAAGCTCACTGTCTT [A/G]AACCTCGCAGACAATAAGCTAAGTGGAGAGATCCCAAGCTCCTTAGTTCAACTCTCCAGT
TcSNP427	9	AGCATGGCACTCAGCTGGAACCTTCGATGTTAAGACCAGGACCGGAGGTCCATTTCGGAAC [T/G]ATGAAGCAGCCTGCTGAGCTGGCACATGGTGCTAACAACGGTCTCGATATTGCTGTTAGG
TcSNP437	2	CGTAAACAAGCAGCTTTCGCTCACGGGCTTCAAGACAAGGCTCACGGTATCATCCCCATC [A/T]CAGTTATCTGGCTCGTGCCACAGTACGCCCTCCATGGAATAGCTGAAGCTTTCATGTCTGA
TcSNP497	6	AATCTTTGTCAAGACCCTGACCGGCAAAACCATAACCTTGGAAGTTGAAAGCTCCGACAC [T/C]ATCGACAACGTGAAGGCCAAGATCCAGGACAAAGAAGGAATTCCTCCGGACCAACAAAGG
TcSNP510	1	GCTCGGTTTACCAGTGGCGGCAACGGTGAACGTGTGCGGACAACACGGGAGCCAAGAACCT [C/G]TACATCATTTCACTGAAAGGAATCAAAGGGCGTCTCAACAGGCTACCATCGGCTTGCGTC

TcSNP521	2	GATTCTGTGAACTATAGCACCAAGGAAAAGAAGGCCAACCTTAAAGAAAATCCTTTAATA [A/C]ATACTACTGACTGGTATATGTATCAGAAACAAAAAAGAAATAGTAGAAAATTCCAATGGC
TcSNP524	5	CTTGGAACCGTTCAAAGGATCATCTTGGGGAGTGTGAGCAACTACGTTATGACACATGCT [T/C]CTTGCCCTGTTACCATCGTTAAGGAATCAAGCTCCATGAAGCACTGATAAGTTCATATAT
TcSNP529	1	ATAGGCCTTGAATGACTTCATCTCCTCTGTACCTTCACAAGCTCAACAAAAGGCTTCTC [A/C]AGAAAAATAGGCATGTATGGTCCTTGCACTTGGGTTGCAGTTGCAAGCTCCTCGGCAGTA
TcSNP534 ^a	3	TGTAAAGAGTGGCATTGTTCAAGTGGATGCAGCGCCTTTTAAGCAATGGTACCTTCAGCA [T/C]TATGGTGTGCGACATTGGGAGGAAGAAGAAAACAGCAGCTAAGAAGGAAGCTACTGAGGAA
TcSNP546	10	ACAACATTGCGCTCAAGGGTCTTGCCAAGTTCTTCAAGGAATCGAGCTTAGAAGAGAGAG [A/G]GCATGCTGAGAACTGATGAAATACCAGAACAAACGAGGTGGAAAAGTGAAGCTGCAGTC
TcSNP547	8	AGAGCCTTTCGCTTCCTCATCTTTCTCTCTGCGACTGCGTTTCAGTGTTGGACTGAGTTG [A/G]AAGGAGGATGGCGGTTCTGAGGGACAAAGGGCAGTCAATCCGCGGATCTCGAATTGCTAT
TcSNP560	10	GAGGCAGAGAAAATACAAGGCCGAGGATGAGGAGCACAAAGAAGAAGGCGGAGGCCAAGAAT [T/G]CTTTGGAGAACTACGCCTATAACATGAGGAACACTGTCAAGGATGAGAAGATTGGCTCAA
TcSNP561	6	GCCAATTGTCCCTGTGAGGACAAAGAAGGCATATGAAACAATTACCATGTACCCAAAGTA [A/G]AGGATGCCTGAAACCAGCTTTGTGATCTCCAAC TTGGTAAAGAAGTAGAAA ACTGAGTAC
TcSNP563	9	CATGCTCTTCAGGAGGCCTCTCAACTATCAGCAGCAACAGGAGAATCAGGCCCAGCAAGC [T/C]ATGCTTGCTAAGTAATTAATATTAGTGTTTCAATTAATCAGTATCCAGAAAATGGATGAAAA
TcSNP577	5	CAATTGCAAACATCCGCCATGATGATCATGATGATGATAATGATGAACAGAAAACAAGAT [C/G]AACGGCCACAAATTTAACACAAATTACAAGGGAAAAAAGGGGAGAAAATARAAA ACTCA
TcSNP588	4	ATCTCGATCTGATCTGTTTCTGGGAGGAGGATATGAAGAAGTTGACGGCGACGAGGATTT [A/C]AAGGCGGAGTTCTTATGTCCGTTTTGCGCTGAGGATTTGACATTGTTGGGCTTTGTTGC
TcSNP591	1	GGGCGTCGAGAAGACTTCGGCTGCTATTAAGGTCTTGAAACAGATCGGGGCTTATGCGGA [A/C]GTCGAGAAGGCGAAAGATAGCCAGGCCATTTCGTCCCGGAAAGGGCAAAATGAGGAATCGC
TcSNP595	3	TAGGCATGTATACTATATTAATTGAATTTAGAAACTACGTGTGCCATGATTAAATGTAAT [A/G]TATGCAAGCCTAGATGTGGCTCTGAGGTAGGGCATGGCTTGTTGTTATACGGATATATGT
TcSNP606	7	ATGTGTACAAGTTCACATGTTGAGTGAAA ACTAGAATTTCTGTGTGTTAAGCTTGTGCCT [A/G]CATAAAAAGGATAATTGTACAAAATGTTAAAAAGAATAATTTGTGCTTTGCAACGTTTAA
TcSNP619	6	GAACAAAAATTGTAAATTAATCTTATGCATGGAGTAATGACCCACAGCTTTGCAACACC [T/C]CAAAAATGGTGGTTGTCCCTTTGTACATAATGATTCTGGGATGAATCATTTGTCTTTGTA
TcSNP632	9	CAACCGTGAGAACTACATCAATGAGCTAATTAGGAGAATGAATTAAACTTGGCCTTGTTT [T/G]TTAATTTAGTAGTTGAGGTATTTTGGCTTATTTGAAAGGTTCTGATCKTAATTTCTTCCG
TcSNP645	5	TGAAGGCACTGGAGCCCTTTGTGAATTGGCTGGAGGAAGCAGAAGAAGAGGAATAAGTGC [A/G]ATAACAATAATATTATGATCACTTTGAAAAGAAAAGGGGTGAACCCTGTACTTGTTTCCTT

TcSNP653	10	AAATGGTTTATACTAGTACAACAGTAACAAGAAAAGAGAAAATATAACATTAAAAATGAA [A/G]TTTCAAAAACAATTAAGGAAAAAAAGGGATATCCGACCTGAAGCACACACCCTCAGAAAC
TcSNP674	10	GGAGGTTGAAGAGGAAGAGAAGAAAGATGAGACAAAGATCTAAGTAGTCTTCTTTAGAGC [T/C]AGTAATTGAGTCTTCTGTCTTTTAGATTTTCAAGTTGTTTTATGGGAACCTTTTTGTAAAG
TcSNP689	3	CATATTTGTGTTTGGCAGTGGGGTTAGCCTTAGTCGTTTGGTCGGTCTCGAATGGTGATG [A/G]GGTTGCCGCTGCTGACCGAATGGTGGGGAGAAGTTCCAATTCGTTTCAGCAGATGAGAAG
TcSNP709	1	GGCATTTGCAGATGAAGTTGGCATAACCTTTTATGGAAACCAGTGCAAAAGATGCCACAAA [T/C]GTGGAACAGGCTTTCATGGCCATGGCTGCTTCCATCAAGGATAGAATGGCAAGCCAACCA
TcSNP723	10	AAATTGGAACCCACCTCAAACCATGCTCATGGCCATGGATACTAGCAATGATGCTGCTT [T/G]GTTACCTTGCTCAGGCTGCCTTGGCTGCTCTTCTAGTGTTTTCGACAATGCTAAATCAAC
TcSNP731	10	ATTTACAAGGCTAAGGTGAAGAAGAATGGCACACTAGTTGCATTTGGGGAAAGGTT [A/G]CTAGACCATGGTAACAGTGGCGTTATGTGCTAAGTAAGTAACCTCCCCTA
TcSNP750	6	ACCTCTAGCCTTAAGCTCTGCAAGCCGCCTTGACAAATCATCCTCATCAACCTTCTCCTG [T/C]GTCTTGTTGACACAGCATGAGCAGCTGGCTGTGGCAGCCCAACAGAGACCTCCAACCCA
TcSNP751	5	AGCATTTACCATGGCCATTTTCTTGCTTCCTTGCTTGCTTAAGCAGCTTGAGGGGTTCC [T/G]TTCGTCTGTGGATGCAACTGGAGTTCCAAGTCATCTTCCCCGTCTTTCTCCCTAGCCTTT
TcSNP791	7	AGTTGAGTTCAATCTTTGTTTCAGAATGGCAGACGAGTTGGTTTTGTTGGATTTCTGGCC [A/T]AGTCCATTTGGGATGAGAGTGAGGATTGCTTTGGCTGAGAAAGGGATAAAACATGAGTAC
TcSNP836	2	AAGGGTAATCCCATGTGGAATCAGCTATCAGTGCCATCTTCCACCATGTACTCATGGGAC [T/C]CCAACCTAACCTACATTCATGAGCCTCCATACTTCAAGAGTATGACCATGGAGCCTCCTG
TcSNP852	3	TGTTCCCTTTACATCACCATCTTGACTGTCTATGGGTGTGTCTCAGTCTAAGACCAAGTGCA [C/G]TACTGTGGGTATTCAAGGCATTGCTTGGGCCTTTGGAGGCATGATCTTTGCTCTTGTCTA
TcSNP872	4	AGTGATGTTGCACAGGTCACAAAGCTTCTCAACCTTGTTGCCAGTCAATCCAAGAGGTCG [C/G]AGATCCCAAAGAACAAGGTGGTTCTCAGTCCCCCAGTTACAAGCTTGTATCCCTTGCTC
TcSNP886	4	GCGAGTGCCGAGTAGGCTCAGGAGGATCAAGTAGGGAGAAATAAGCGGGCGGTTTGAGTC [T/C]ACTAGAGACTCTCTTAGGGGAGCTTTACTAGTATTATGTTTGTCACTTATGAGGTAAAG
TcSNP891	2	CAGAAAGCACACTTTGCACAAGGTTACACAGTATAAGAAGGGTAAGGATAGTTTGGCTGC [T/C]CAAGGGAAACGCCGTTATGATCGCAAACAATCAGGTTATGGTGGGCAGACCAAACCAGTG
TcSNP894	6	TCTGCCTCTCCACGTTCCCTTCGCTCCTTTCTCCCGCTCCGAAAAGCTTGGCCGAATCGC [C/G]GACTTCACCCGCTCTTTCCCTTCCTCGAACGCCAACCCATCCAACCGGCCTTCCTCTGCA
TcSNP915	1	TAAGGATCCTGAAGGTCTTCGCATATTTTACTATCTGGTTCAGGACTTGAAGTGCTTCGT [A/G]TTCTCTCTCATCTCACTCCACTTCAAGATAAAGCCTATTTAAAGAATGATAATCGTCTGC
TcSNP917	10	TATGGAAACTGGGTAAAGGCTCAAGAATGGGCGGCAATTCTGGTGGACAAGCCACTTAC [T/C]TGGGCAACCTGTTCCATGGGGTACCCTCCCTATCATCTTGGTCATCGAATTCTTCGCCA

TcSNP929	3	TGAAATGGAAATGAAAATACAAAAACCAAGTCATGTTCAATAGCAAGTGATGTCCTTTT [C/G]TCTGCTGATTATAACAGAAGTTGTGTAAATTTTACACTTAGTTGATGTGGTTTTAAAGGG
TcSNP944	7	TGACATGCCCCACTGGAGGATGCTGATGCAGAGGCCGAGGGCAGCAAGATGGAGGAAGT [T/C]GACTAAGCCTGACATRTTTTAATGTTTGAACCTTATCTTTATGTAGTAGTCTCATTTTTAA
TcSNP953	4	GGGTCTCTAAATGGCACTTGAGGTTGCCAGAGATAAAGCTTCATTCATGCTCCAAGCCAA [A/T]TCTTTGGGCATTCCAGGGTCAAACACCTCAAAAACAAGTTTCTTTATGGCTCAAATCATG
TcSNP994	6	AACAAACCGAAATATATTCTAGGGAAACTTTGCATTTGCAACCCCTATTTGACTTTTCGAT [T/C]TGCTCAGATCTGCTTTTGAATCCTCAACTTCTGAATAGTCAAYATGGGAGGAGGGTTCAG
TcSNP996	3	AGGCCGGCTCGAGAACCGGCTGTCGCTCGAGTCCGACATAGCCTCCGTGAAACCAACCCA [T/C]GTCTTCAATGCCGCTGGAGTCACCGGGCGTCCAAACGTCGACTGGTGCGAATCCCATAAG
TcSNP998	5	AACAAGAACAAGGGAATGGGGACAATATGATCCCACTAGACATGATGGCTTTTCTCCTC [A/G]TAGTAGTGAGAAAGGAATAACATAGAATCTAAGCTGTCACAGATGTCTCCACTGCAACCT
TcSNP999	8	ACTGGGAGTAAACAAAGCAAAACCAAATTTATTGGAGTAAATTATGGGCAAGTGGC [T/C]GACAACCTACCGACCGGCAGCCACTGCAAAGCTCAGCACTAACAAAAG
TcSNP1034	4	CTTCAGCCAGCACTCAGCAACTAGGAAGTGAGCATTGCAGTTTTTGTCTTCATTTTTCT [T/C]GCCCTCTGGTTTGAATTGCCCCGGTTTGCTTGTTGAGTCACTTCATCTTAAGTTCATAGA
TcSNP1060	2	CAGTTCTTGATTTTGAGATTGAAGTCCTAACCTTGCACTGAGTACTTGGCACTTGGTAAAC [T/C]GTTGGAAGAATATGTAGCCTGAATAAGTCACGTGCCATGAACATATATGGATATTATCGG
TcSNP1062	3	ATGCAAGAGGGAACTCTGGAGAGTTCAGTATGCTCTAAGCCGCATTTCGAAATGCTGCAAG [A/G]GACCTTCTGACCCTTGATGAGAAGAACCCACGTCGGATCTTTGAGGGTGAGGCTCTTCTT
TcSNP1069	10	TCTCAATATTCCCAAGCTAATAAGAGCTTGTGATGAGCAGCAGCACTGGAAGGAACTTAC [C/G]TATTTGTATATCCAATATGATGAGTTTGATAATGCTGCTACTACTGTGATGAACCACTCT
TcSNP1075	1	TTTCATGGCAGCTCATGCACTTATAATTTATGATTGCAACTCCCAACTGATACATAAATG [A/T]GTAGTAGGCCTGTATAGATGAATTACTCTCGAAACAAAGCATCTTCGAGAGTGTCATGT
TcSNP1096	1	CATTATACTTAGGATCAATGTTAAGGCGGAAATGGGCTTCAGCTGACTCAACAACTTTG [T/C]ACTTGTCATTTCTTTAACAATGATATTGCTGTCTTTAGATCATACTCCTTTTTGTTTTT
TcSNP1108	4	TGAGAGAGAAGCAGAGCAAGGAACAAGATCAAAGCTTTCAGCTCTAACACGACCAACAAT [A/T]ACTCTACCGCCAAGACCAGCCATGGATGGTTTATTTTCAAGTGTTTCAGGGCTAAGTCCA
TcSNP1126	7	CGTAAGGGAACTTACAAGAGTGAGGACATTGATATTGTGGCACTAAAGAACTAC [A/T]TGGATGCAGTACTTTGGTGAGATTGGTATTGGCACACCCACAGAACTACTGTGA
TcSNP1136	2	ACTTAAATATGAGTATCAGGACTAATATGGAAGGTGTTTACAAGCTAAATTGTGTTTTGG [C/G]CATGACCAGGACGCATGAGAGGTTCTCATTTCAACACTTTTGCAATTTTCAGTACTTATTT
TcSNP1149	3	TCCTGCAGTTCCAAAAATCGCAATCCCCCTTGCTCTTTTCTACTCTTCTAGAGACTTCTC [T/C]TTGTTATTTCTTTCTGTTCTCTCTCTTCTGCTTTCCCCCTGCAATGGCGTCTGATCTG

TcSNP1159	2	ATTAAAGGTGAGCAGGAGACAGAAGGAGGTACTTGTGTTTGGCTTTAGCTTATTGGAA [A/C]GGAGGAGAAGAGKTTTGGTTGATTTGTTGGAGTTAAGAGGGAAGGGTAAGAAAGGAGGAA
TcSNP1165	2	GATCAATTGCTTAAACATATTTGCATAGCATTATAGATATTTTCAAAACCATGATGGAGG [T/C]TGCCAAGGTTTTCTAGCTCTTACTTGTCTCATGGCCTTAGCCTTGGTCTCCCCCTCCCA
TcSNP1175	4	TAAGGCTACATTTCGTGGTGTGTTGTACGGACGGATATGGGTACGCTCAAATGGCTTGCCC [T/G]CATCTCTCCAGACAGAGCCAGGGATCCCAAAGTGGAAGGCAAGACAGAAGAGAACAAGAA
TcSNP1194	4	TATCTTAATGGTCAAAGCCTCTCTTTTCTTGTTACAACCAGTGATGGCCGCAGTGTTGTC [T/G]CTTACAATGTTGCTCCAGCCGGTTGGTCCTTTGGACAGACTTACGCTGGAGGGCAGTTTA
TcSNP1253	9	CACTTGCCACTCAAGTTCCTCACTAAAGCATTGAAACCAGCATCAGAAGTCTGATTTCTA [T/G]ATTACCAGCACTTATCAAACCTCTTTCAATCAGGATAGGTGAGTAAAGAAATGAGGCGCT
TcSNP1270	7	ATATTTGAGTTCTGTTTGATGTTTACTACAAGACCTGCCTCACTTCTTCCCTCGCAGCTT [T/C]GTACCAAGAGCCCTYTCCAATTTACCAATTATCTGTTGATTAGGGATGGCTTTTCCAGAT
TcSNP1350	1	TCCAAAATTTTTTATCACTATATGATGGACCATATAGCCTAAATAAATATAGCAAAAATG [A/C]ATATCACAACAAATTATATGGCTGGCTTGCAAAAAGACTATAAGGGCTTGTGGCTAGTTC
TcSNP1383	7	GCATTGAGAGGGTCCAGTTCGTGGCATTTCCTCAAGCTACAAGAAGAAGAGCGTGAGC [A/G]TCGCATGGACTTTGTTTCTGACGAGTCAGCTATTAACACTGATGAAATCAAGGTTGACAA
TcSNP1392	10	GGATGACATGCCAAAGCCTGGTCAGCCTGGTCAAGCTCCTCGTGCCGGTGCTGGAAATCC [T/C]GCACGTCCTTAAGGCCTTCAAAGCTTCAGACGAGTTTCTATATTTTGTATGCTCTAGAA
TcSNP1414	9	TGTGACTTACGGTTACCCCAATCTCAAGAGCGTGAGGGAGTTGATTTACAAAAGAGGTTA [T/C]GGGAAGTTGAACAAGCAGCGTGTGCTTTGACTGACAATGAAATCATTGAGCAGGCTCTG
TcSNP1439	9	AAGATTACAACAATAGGACCCACGCAGCTATTAACAACTTACCAACCCAAACCTGCAA [T/C]ACTTTTGCTTATTCTCCCCAAAACCTACATAGCAAATGGACCTACCTATA
TcSNP1442	9	AAAAGTGATGGAGGAAAGGGAAAGAGATGGGTGGGAGTAGAGATGGCCTTTGGTGTTTCC [T/C]TATGGATTTTCACTCTACATCAAAGCTTTGGTGTGTGATGGAATTTACAGCTACTGTTAT
TcSNP1484	6	CAACCGTGAGAACTACATCAATGAGCTAATTAGGAGAATGAATTAACTTGGCCTTGTTT [T/G]TTAATTTAGTAGTTGAGGTATTTTGGCTTATTGAAAGGTTCTGATCKTAATTTCTTCCG

^aLG – Linkage group