

Table S5. PCR primers and probes used for validation of the predicted SNPs.

SNP-ID ^a	Major/minor allele	Primer and probe sequences
C03388S227	T/C	F: 5'-TGCAGTGATGAGGAAGATGC-3' R: 5'-TTTTCGATGGGGAGTCAAAG-3' Probe: 5'-ACCATGGGAGGACAGGTTCCACAGAGA-3'
C04043S108	A/G	F: 5'-GAGGAGGATGGTAGTGGT-3' R: 5'-GTACAATATCTACATTGTCA -3' Probe: 5'-AGATTCAGATTGGATATCCTCCTTCTCGA-3'
C04043S419	A/T	F: 5'-CTCGACATTTCGATGGCAAC-3' R: 5'-GAAGAGCGTTGGCACTTAG-3' Probe: 5'-CTCCTGGAAGAATCTGTAAAACAGTCCTAG-3'
C04044S77	T/A	F: 5'-TCTCCTCTACCCGTCCAA-3' R: 5'-TATATACCAACTGGAAGTTG -3' Probe: 5'-CCTCATATTATTCCTGTTCTTTGTGTTCAATA-3'
C05139S49	A/G	F: 5'-AAATCCCTCTGCGCACAAT-3' R: 5'-AGTGCCAGCGCACTTATTTT-3' Probe: 5'-AGGCAGCCAATGACCTGACCATCGA-3'
C05139S108	A/G	F: 5'-CTGACCATCCTGTATTAACCTAACG-3' R: 5'-GGGGATGGACTTCCAAACT-3' Probe: 5'-GCACTGATCTGCCCTGATTGGTTGAC-3'
C06306S336	T/C	F: 5'-CTGTTGCCGATGAAACAATAG-3' R: 5'-GCAAATTGAACGAGATGGAG-3' Probe: 5'-CAGAATATCCTGCCTGGGATAACGTAAACGATC-3'
C07952S361	T/G	F: 5'-GACTGATCTGGTAAACGAACGA-3' R: 5'-CACTACCTGGGAGGACGATT-3' Probe: 5'-CCGGGATACTCGGGGAGATTCAGGA-3'
C08347S758	G/C	F: 5'-ATTGAGCTCCATCCACTGCT-3' R: 5'-GCCGATCTGGTGAACCTAGT-3' Probe: 5'-CAGGAAGACATGCTGCAATTTTGCATC-3'
C10704S274	T/C	F: 5'-CCTCTCCATCTCCTCTGTCACT-3' R: 5'-GTAAAGGTGGCTGCCAGATG-3' Probe: 5'-TGACTCTCTGACTCCAACCTCTGTCC-3'
C13728S402	A/C	F: 5'-CAGGTCAACCAGAAATATTACACA-3' R: 5'-TGTCGTCAGTTTTGATAAGCA-3' Probe: 5'-ACATAAGGCAGTGCCGTTAAACCTTAAACC-3'
C14781S689	C/T	F: 5'-CTAGCAGGATGAACAGAAT-3' R: 5'-AGTCTAGTTCACTGTGCTCCA -3' Probe: 5'-TTGAGGAATCATCTTCATATGCCAATCATT-3'

^a SNP markers are named as follows: C followed by several numbers refers to a contig number, and then S followed by several numbers refers to the SNP position (bp) in this contig.