

Table 2. Family haplotype data

Marker Name	Primer sequences	Polymorphism
ph33	F: GAGAACCGCTTTATTCCCAGG R: CTTTTCTCTAACCTCCTAGCAG	SNP
centB	F: TGGACGGAAGTGGGACCATC R: AGCTCGTTGGCCACACGCTT	SNP
ph49	F: TCTCGGTTATATTTGAGTCTGTATC R: CCTCATATTAAGGCCTGTTTAC	SNP
ph105	F: TTGCTCTCAGATCTCAGAAGAG R: GTTCAAGATGGCAACAATAGATC	SNP
ph108	F: GTACTTGATATTTATATACATCCTAATC R: TGAGATCGCAGCAGTGCCT	SNP
mpht2	F: TGTTTATTGTGTGTCTGCTGTG R: GGACAACCAACATGCAAACAG	SNP
1140	F: GGGCAGGGATCATATCTAATTTG R: CATACATGGGTAGGGCAAAGG	(CA) _n
ph77	F: GGTTCTATTTTCAAGTCCAGTG R: CACTTAATACCACCCAGCCTG	SNP
ph78	F: CGCTCTACAGCACTTGAATGTG R: AGGTTCTGGGATTAGGGTG	SNP
ca234	F: CCTAAATCTTTGACCCCTG R: CTTAAAGTGGGTGATAGGTGG	(CA) _n
ph81	F: AAATGTCAGGCTCACCTATCTG R: CTGTCCAGAATACTAAAGAAACC	short tandem repeats
ph84	F: GGGACCATATGTACATGTATGC R: CTGCAATGCATTAATTTGCACAATG	SNP
ph89	F: CCTTAATCTACAAATGCGCCAG R: GCACCAACATAACCTAACATACTAC	SNP
ph205	F: AGATTGCCCTTGGAGCACTTAG R: GCTCTCAGGTGCAACTTTTAAG	SNP
ph92	F: TTGGTGCAATGCAATAAAGTTTGTG R: CACTGTCTCAATCTACAAAGAACC	SNP
ph211	F: CATACTCTTAATGTGTAATAAACAAGAG R: CTGAAAAATCATGATAATACTATTACCTC	SNP
ph202	F: AGAAACGGGTCAGGTCTAGAG R: TCTAGAGGTAGACACACATGTC	SNP
ph208	F: GTTACTGAGTCATCAACAGATCT R: TGAACGTTCATAAAGAGTCACATG	SNP
ph201	F: CCTGGCATTTCATCACGTAAAC R: ATCAGGAACGTCCAGGCACTTA	SNP
TS16	F: TCACAGTGTCTTTTGTGACTG R: GTGTTTTCCATAAAATACGTATGTC	SNP
TS30	F: GCACCTACTGGTATAAATGCAC R: TTCTTCATAGAACTGATATTCTGG	SNP
MR16	F: GCTACTCAACAGAAATGAAGGAG R: TTAAGCCCTTTCACCTCAGAAAG	SNP

Marker Name	Primer sequences	Polymorphism
rts6	F: ACCCACCTTATAATTGATTCAGGC R: TATCCAGAAAGCTTCCAAACTCA	SNP
rts2	F: TTCTTTTCGGGTTTCTCACACTG R: TCACCAACTTCAGTGCCTTTTTC	SNP
EXON8	F: GATAAACTTGTTCCACTATATGCTG R: AAACAAAGTGTCAGGTTTCTTCTATC	SNP
EXON7a	F: CTTAAAACATTGATACACTATATGCC R: ATTTCCCAAGCATCTTTTGCTAGAC	SNP
EXON7b	F: GCAAAAGATGCTTGGGAAATCC R: CATAAATTGTTGCACTTTAATCCAC	SNP
ys19	F: TTGGTACCATTACCGACCC R: ACAAAGGATAGGCAGGACC	SNP
ys12	F: ATCCTTTTGGGAGGTTACCC R: CTGTA ACTCCAGCTACTTGG	SNP
ca231	F: CACATGTGTACCCATGTAACAAAC R: TTCAGCACATGTATCCCAGAAC	
YUM1	F: GCTTTGCTGTGGTCAGGATAG R: TCCATTCAATCTCCGCGGCAG	SNP
at201	F: CATAACAGCGCTTTCTCATAACAG R: GATAAATAGCTAGACGACCTTG	
ca225	F: GATTATAGGTGTGAGCCACCAC R: GACAGACATTACAAGCAATTTTCG	(ATA) _n

F, forward; R, reverse.