

Table S1. Gene primers designed for KASPar

Marker names	SNP position	Allele X	Allele Y	Primer Allele X (5'-3')	Primer Allele Y (5'-3')	Primer Common (3'-5')
C304430G	304430	C	G	AATTACATGAATAAGTGTTTCG TAATTTTCG	AATTACATGAATAAGTGTTTCG TAATTTCC	AAACTTCAAGTTTA GGATAGAATCGGT TTGA
G564531C	564531	G	C	GGTTTGGAATCTTGCTTGGCAT TG	GGTTTGGAATCTTGCTTGGCAT TC	CAATCAACCATATT CAGTTTAATCAACT AAACAAA
A701466G	701466	A	G	ATCTAGAAACCAAATAAAAAAC TATAGCCAA	ATCTAGAAACCAAATAAAAAAC TATAGCCAA	AATTTAGTTTCAAA ATTTGTTTATTAAT AAAAATATACATCT CT
G729940C	729940	G	C	GGAACCCCTTCTGAAGCTGTG GGAACCCCTTCTGAAGCTGTC	GGAACCCCTTCTGAAGCTGTG GGAACCCCTTCTGAAGCTGTC	GTAGCTATAAGAA AGGGCAGAGACC TCCAATCACCCTT CCTACAATTTATCG
T785141C	785141	T	C	GGTCACGCAGATGGGTATTGG GCCATTTCTAAGTTCATGAATC	GGTCACGCAGATGGGTATTGG GCCATTTCTAAGTTCATGAATC	GTAGTTCCGCGTGCA GTGAATCCTAA TGTC
A806246C	806246	A	C	CCATTTCTAAGTTCATGAATCG TGTC	CCATTTCTAAGTTCATGAATCG TGTC	TTTCAAAATCATTTCAAACTTA TAAATTAAGAGAC CTGATAACTA TGAATTTATTACTT TCAAATCATTTCAAACTTACT AACCAAATAC GATAACTC
T861262G	861262	T	G	TACGTGAATATTTTCTTTTTCT TTATACGTAT	TACGTGAATATTTTCTTTTTCT TTATACGTAT	ATTTAGAAAACAC ACGTATCAAAATTA ACTTAGC
T1031386G	1031386	T	G	CGTGAATATTTTCTTTTTCTTT ATACGTAG	CGTGAATATTTTCTTTTTCTTT ATACGTAG	AAGACTAATATGCCCTTCCTCT ATTCCAAGTTGGGA TCTA TTGAATGGAAATG
T1101289C	1101289	T	C	GACTAATATGCCCTTCCTCTTC TG	GACTAATATGCCCTTCCTCTTC TG	TATGTACAGCATCAACAAGTG ATCATCTGTCTCCA TGCA ATTCACTTGAAAAC
T1508343G	1508343	T	G	TGTACAGCATCAACAAGTGTG CC	TGTACAGCATCAACAAGTGTG CC	TTT TTCGAACATATACAAAAGTAG GTGATTCATTGAGA ATATATCAAAA ATATCTATTTAATT
A2179014C	2179014	A	C	CGAACATATACAAAAGTAGAT ATATCAAAC	CGAACATATACAAAAGTAGAT ATATCAAAC	GTACTTG