

method	Marker/gene model	Allele 1 primer sequences
KASP	AWG61	GAAGGTGACCAAGTTCATGCTACCCCGAGACAGGCGAGG
KASP	AWG13	GAAGGTGACCAAGTTCATGCTACGCTATCAACTCCCGATCCAA
KASP	AWG66	GAAGGTGACCAAGTTCATGCTGGCAGGACCCAGAGACTG
KASP	AWG10	GAAGGTGACCAAGTTCATGCTGTGGAGCAGCCTACGGCCAA
KASP	AWG31_1	GAAGGTGACCAAGTTCATGCTGGCTTGGCTCTTTCCAGATTGATT
KASP	AWG41	GAAGGTGACCAAGTTCATGCTCGCCGGCGAGAGGT
KASP	AWG84	GAAGGTGACCAAGTTCATGCTGTTTGCCACTAGTTCTGACTGGAT
KASP	AWG27	GAAGGTGACCAAGTTCATGCTTCGTGTTTGTGCGGTCTGCT
KASP	AWG57	GAAGGTGACCAAGTTCATGCTGTTTGGACGAAAGCCCTATTTTCTG
KASP	AWG47_2	GAAGGTGACCAAGTTCATGCTAATAATGGTGTCCATGCACCGTTTC
KASP	AWG62	GAAGGTGACCAAGTTCATGCTCCTCGGCGGCGGCTGTAG
KASP	AWG21	GAAGGTGACCAAGTTCATGCTCCAACAGCCACTAAGTGAGGAG
KASP	AWG43_1	GAAGGTGACCAAGTTCATGCTGATGTTGACACTTTGTGTTGTTGCC
KASP	AWG69_1	GAAGGTGACCAAGTTCATGCTCGCTAGGTTTCTGCGACCGC
KASP	AWG75	GAAGGTGACCAAGTTCATGCTGGTTCAAGATCAGGTTTCATGATCAG
KASP	AWG19_1	GAAGGTGACCAAGTTCATGCTCCTGGTGTCCATCCATCGTCTT
KASP	AWG67_1	GAAGGTGACCAAGTTCATGCTGGGGAGTGGCCTCTGCCTT
KASP	AWG38	GAAGGTGACCAAGTTCATGCTACTGTGAATTGGCCATTCTTCTCTG
KASP	AWG82	GAAGGTGACCAAGTTCATGCTCGGCAGCAGATTGAGCGTCCG
KASP	AWG25	GAAGGTGACCAAGTTCATGCTGTTGTTGAGGATGCGGGTT
KASP	ADW313	GAAGGTGACCAAGTTCATGCTCCATGTTAAGATATAGTCATCTAACTGC
KASP	ADW314	GAAGGTGACCAAGTTCATGCTTTTTCTTTTGATGGCTACTATGGTGC
KASP	ADW316	GAAGGTGACCAAGTTCATGCTTGGTCTGTGCCTCTGTGATCA
KASP	ADW317	GAAGGTGACCAAGTTCATGCTCGATGCTCACGCCAGACAATAA
KASP	ADW318	GAAGGTGACCAAGTTCATGCTCCCCTCGTGTACATCTCGA
KASP	ADW319	GAAGGTGACCAAGTTCATGCTAATCTATGATCACCGGTGCCCA
KASP	ADW320	GAAGGTGACCAAGTTCATGCTAATAAATTAATGGAAGAGGCCTATGAGATA
KASP	ADW322	GAAGGTGACCAAGTTCATGCTGAAGCAACATCATGAATTCATGCGG
KASP	ADW323	GAAGGTGACCAAGTTCATGCTAATCCCAGTGGCATCATTTACAGC
KASP	ADW324	GAAGGTGACCAAGTTCATGCTCCGCCAAACGACCCAG
KASP	ADW328	GAAGGTGACCAAGTTCATGCTCAGCCATGCTGCTTGTAGCGG
KASP	ADW334	GAAGGTGACCAAGTTCATGCTGTTGATCCCGGTCTAGGATCGT
KASP	ADW330	GAAGGTGACCAAGTTCATGCTCGGTTAGGTATTGTGAGGCAACG
KASP	ADW332	GAAGGTGACCAAGTTCATGCTGGTTTGGGCTGTCCAACCG
KASP	ADW315	GAAGGTGACCAAGTTCATGCTCAATATCTTGAATTCGAAGCCCCA
KASP	ADW337	GAAGGTGACCAAGTTCATGCTCGCATATCCTCCAATTTGCTTTCT

KASP	ADW338	GAAGGTGACCAAGTTCATGCTGTCTCCATGCATGAGAAATCCAG
KASP	ADW341	GAAGGTGACCAAGTTCATGCTCAAGATGTCGACACCCACCCCTT
KASP	ADW342	GAAGGTGACCAAGTTCATGCTCATCATCGAAACAGGGGCTAGGA
KASP	ADW343	GAAGGTGACCAAGTTCATGCTGGGGACCCATAAAGTTCATCTG
KASP	ADW345	GAAGGTGACCAAGTTCATGCTGGCCGGCGCTTGGCTCG
KASP	ADW347	GAAGGTGACCAAGTTCATGCTGTGTATGCGATCGGTCCGCTG
KASP	ADW348	GAAGGTGACCAAGTTCATGCTGTGCGCCAAGCTAGATCGCTC
KASP	ADW349	GAAGGTGACCAAGTTCATGCTAGCGAAGTGGGCCGTCCAG
KASP	ADW351	GAAGGTGACCAAGTTCATGCTCATTAAATTTTCTGCATGTATCAAATTTGTAGA
KASP	ADW353	GAAGGTGACCAAGTTCATGCTCCACATGCCACTTCCTCTTTTTTTTTTA
KASP	ADW363	GAAGGTGACCAAGTTCATGCTCGAAGTCACCATAGTCCACAGAC
KASP	ADW364	GAAGGTGACCAAGTTCATGCTCCTCATCCCACATCTGCTGAG
KASP	ADW371	GAAGGTGACCAAGTTCATGCTAACTTATTGGGAAGGAGCGCCATT
KASP	ADW373	GAAGGTGACCAAGTTCATGCTGAGGTGGGTTGCTTCCAAACG
KASP	ADW374	GAAGGTGACCAAGTTCATGCTCGTGCCTCCGTTTCACGTAAGA
KASP	ADW431	GAAGGTGACCAAGTTCATGCTCCTCTATGAACGCATGCACACAC
KASP	ADW432	GAAGGTGACCAAGTTCATGCTGAGCGTTTGTGCGTGAACTTTTTTTTT
KASP	ADW433	GAAGGTGACCAAGTTCATGCTATGACGTGGAACCCAATATTCACATTT
KASP	ADW469	GAAGGTGACCAAGTTCATGCTACTCGACATGACGGTCCACTT
KASP	ADW477	GAAGGTGACCAAGTTCATGCTCACAGTATAGCAGTTCATTCGGACAT
KASP	ADW576	GAAGGTGACCAAGTTCATGCTACACAGATCCTCCATAAAACAGAATTTTTTA
KASP	ADW577	GAAGGTGACCAAGTTCATGCTGTAGTCTCACTGGAGCTCTCCA
KASP	ADW594	GAAGGTGACCAAGTTCATGCTGATGATGTCCTTAGACGTGGGC
KASP	ADW595	GAAGGTGACCAAGTTCATGCTTTGGGATAATCTACAGTATGTTAACTCA
KASP	ADW616	GAAGGTGACCAAGTTCATGCTGCCACGGGGTGTTCGTGGAAG
KASP	ADW617	GAAGGTGACCAAGTTCATGCTTCAAGCACTCTAATTATCATCCTTC
KASP	ADW657	GAAGGTGACCAAGTTCATGCTAAAAAATGCAGACCACAATTGTCTGTC
KASP	ADW659	GAAGGTGACCAAGTTCATGCTATACCAGTGTCCATCCATGCACTAG
PCR	Indel-1	TCTGAACCTCTGCCATTGCT
PCR	Indel-2	CGGTGAAACGTCAATTGGGC
PCR	Indel-3	ACAGGAACGTCACTTCCTCTTC
PCR	Indel-4	GAACCTCTGCCATTGCTTGC
PCR	Indel-5	ACGTCTACCCCTACTTCGCT
PCR	Indel-6	GACATAGCTGCCAGTGGGTT
PCR	Indel-7	ACTTTTTCTTAGCCGATGCA
PCR	Indel-8	GTCAAATGCATGAGCTTTAC
QPCR	TraesCS3B01G570900	ATCCATACTTCCTCGATGATC

QPCR	TraesCS3B01G571000	ATTCTTTGGCCCGGTGGA
QPCR	TraesCS3B01G572500	CTTGACATTAGCCAATCCAAA
QPCR	TraesCS3B01G572600	CAATGAATATACCATGATGTTGG
QPCR	TraesCS3B01G572700	GTACTACTGACATCAAGGGCTT
QPCR	TraesCS3B01G572800	GGATAAGGAGAAGGATGTGCA
QPCR	TraesCS3B01G572900 (TaSINA)	ATCGAGAAGCTCCCGGTT
QPCR	TraesCS3B01G573000	TCCTTCTGACTACTCCTCCTG
Sanger sequencing of TaSINA (- 4,742 to - 2,780 bp)	ADW611	GTTTATATGGTCTAGATGGTTGAAC
Sanger sequencing of TaSINA (- 3,088 to - 1,911 bp)	ADW612	AAACTCGAATTCCTCCTAT
Sanger sequencing of TaSINA (-2,394 to -293 bp)	ADW613	CTAAAAGTGAGTCTCTCTGG
Sanger sequencing of TaSINA (- 1,052 bp to +273 bp)	ADW664	TCAAACCAAAGACGGAACCGAG
Sanger sequencing of TaSINA (+ 42 to + 1,167 bp)	ADW615	GCCGTGGTGCCCATGGAG
QPCR control gene	TaActin	GACAATGGAACCGAATGGTC
QPCR control gene	TaCyclophilin 2*2	CAAGCCGCTGCACTACAAGG
QPCR control gene	TaGAPdH 2*2	TTCAACATCATTCCAAGGAGCA
QPCR control gene	TaEFA2*2	CAGATTGGCAACGGCTACG

Allele 2 primer sequences**Common reverse**

GAAGGTCGGAGTCAACGGATTGACCCCGAGACAGGCGAGA
GAAGGTCGGAGTCAACGGATTGCTATCAACTTCCCGATCCAG
GAAGGTCGGAGTCAACGGATTGGCAGGACCCAGACACTA
GAAGGTCGGAGTCAACGGATTGGAGCAGCCTACGGCCAC
GAAGGTCGGAGTCAACGGATTGGCTTGGCTCTTCCAGATTGATA
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GAAGGTCGGAGTCAACGGATTCTGTGTTGCTGCGGTCTGCG
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CCTACGGTGCGTTCAAGTTGATGTA
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-	TGTGTTGACGAAGCAGCTTT
-	ATACACGGGAGAAGGATGAGGA
-	TTGCTAGGCCGTTCTGGATG
-	TCTCGACCTCATCCCCTGGT
-	CCCGGCACAGCACTTAAGTA
-	TTGAAGTAGGCATTCTCAAC
-	GTGTGGATGCACGTGTATTT
-	CCAGGAGTAGTACAAGGTCAC

-	CGAGTTGGGAAGAGATCGTAA
-	GGATGCCGTCGGTGTTC
-	GGTAATAGACGCAGTTGGCAT
-	TGACCTCTCCGGACGCGA
-	CCTCCTTCTCACGACGCTCA
-	TTGCCTTGATCTGTCCCT
-	TTGCCTTGATCTGTCCCT
-	ATGATAATATCCATCGAGACAGG
-	GTGATGAGCTATCAATGG
-	TACCATCCACCTAACCTA
-	CAAGATTCATGCACACCAGATAC
-	CGTTTCTTGAGCTCTGATCGGTG
-	GTGTGATGCCAGATTTTCTCCAT
-	AGGGGACGGTGCAGATGAA
-	CGTAACCCAAAATGCCCTTG
-	CGGACAGCAAAACGACCAAG