

Supplementary Table S2. SNP markers selected for PCR validation and Sanger sequencing.

Marker name	Chr.	Primer 5' sequence	Primer 3' sequence	Type	Start	End	PCR Product length	Confirm by Sanger
AhSNP10012475	B04	ATAGAGGGAACGCCGATAC	CGCTGGTACCGATGACTTCT	W(A/T)	111577828	1.12E+08	449	Yes
AhSNP10111289	B04	AAAAGGCCAAAACCATGTGA	AACCGCAACTTCAACGACTC	R(A/G)	122764542	1.23E+08	644	Yes
AhSNP10153807	B04	TCCATTTCGCATCTTCCTCTC	GGTCGGTTGGTAAGGATCT	K(G/T)	123444664	1.23E+08	582	Yes
AhSNP10155468	B04	GCCATTTTGGTGGAGAGAGA	TGAAAGCATGCCAATGAGAG	Y(C/T)	94687223	94687497	593	Yes
AhSNP11477698	A09	TCCTGAGACCCACACCTTTC	TAGCATCTGCTGGGAGAACC	R(A/G)	4421740	4422000	266	Yes
AhSNP11545308	A01	ATAATTGCCGCTTCGAGTTG	TCTCATTACAGACCCCTCTC	R(A/G)	45637624	45637838	631	Yes
AhSNP1100798	A03	GCCAAAGAGAGCATCCAAAA	GCCTGAAACCAAACATCCAC	K(G/T)	119454739	1.19E+08	220	Yes
AhSNP11211163	A09	TCCCCATGACCAAAAAGAAA	CTTTTTGCAGGTGCTTCCTC	R(A/G)	112692673	1.13E+08	349	Yes
AhSNP10726666	A09	GGATTTTGGCTTTGGGTTTT	ATCGCGTCGTTACTCGTTTC	R(A/G)	7876594	7876814	504	Yes
AhSNP10765552	A09	CTTGGCTAGGACCGTTGAAA	AGTTCGGCCCATTTAAGACC	W(A/T)	120344362	1.2E+08	495	Yes
AhSNP10893509	A09	ACCGATTTGAAGTTGGGTCA	ACATTCTGCCCATTCATTT	R(A/G)	2136326	2136554	560	Yes
AhSNP1140112	A03	GGCACGCCTGTAACCTAAGA	CCGACCCTTTGACATTCATC	K(G/T)	46603238	46603416	745	Yes
AhSNP11535638	A01	GGACGTCTCCAGACAGAAA	TGTGGCTAGGAACGGTCTTC	M(A/C)	26564902	26565064	599	Yes
AhSNP6894495	A06	GGGAAACACGAGGTTTGATG	GGGAGATTTCTGCGACAAGA	R(A/G)	17349098	17349191	94	Yes
AhSNP12687658	A10	ACTCGTTGGTCTGCCAACTC	GGATGACTGCTCGTCGATCT	Y(C/T)	88494416	88494731	316	Yes
AhSNP14010978	B02	TCTGGCGCTATTGCATGATA	CCACATCCACACCATTGAGA	K(G/T)	18197621	18197920	300	Yes
AhSNP1100798	A03	GCCAAAGAGAGCATCCAAAA	GCCTGAAACCAAACATCCAC	K(G/T)	119454739	1.19E+08	220	Yes
AhSNP15312345	B06	CAATCCTTTCATGCGTGTG	TGGAACCTCGCTCCCTAATTG	-	22460890	22461146	257	Yes
AhSNP10755076	A09	GGCACACAGCAGTACCCTCT	CCTCCCAAGTGCCCTTTTAT	R(A/G)	90454954	90455189	295	Yes
AhSNP10927678	A09	GTTTAATGCCGCTCCGAGTA	GCCTCCTCATCTCGAAACAA	M(A/C)	23481096	23481329	559	No