

**Table S6** List of 10 SSR loci with primer sequences, annealing temperature, MgCl<sub>2</sub> concentration and corresponding amplicon size used to genotype the BC<sub>4</sub>F<sub>6</sub> population.

Marker	Forward Primer 5' to 3'	Reverse Primer 5' to 3'	T <sub>m</sub> (°C)	MgCl <sub>2</sub> (mM)	Amplicon size (bp)
<b>Bmg sat001</b>	TTAACCGCGATGTGACTGAA	TGACCGGCACTAAATATGGA	55	1.8	1200 - 1304
<b>Bmg sat015</b>	CATAGACGCCGGGAATC	CGCGTAATTCGTTTCAAAT	55	1.8	500 - 540
<b>Bmg sat031</b>	AGACACAGATGGCGATGATG	CTCCAAGGACCTTCGCTTC	55	1.8	700 - 730
<b>Bmg sat084</b>	TCGTGGTAGACCAGCGATAG	GATTTGCCCTCGAAGTTGAC	55	1.8	1145 - 1200
<b>Bmg sat095</b>	GGTCTTCTTCACGTGCTGGT	TGCCGGATCCAAGTTCTTTA	55	1.8	780 - 1035
<b>Bmg sat098</b>	CATGCATTTACCCTCTCCAC	GTGAATTCGCTACTGGCAAA	55	1.8	850 - 1000
<b>Bmg sat108</b>	CCAGGTCATCATGAAGAAGG	ACTGGCTCTGGCAGGTGTT	55	1.8	1005 - 1050
<b>Bmg sat114</b>	CGTCTCTATCTGCGGACGTT	TCAGCTTAGGCAATCCAAGG	55	1.8	627 - 700
<b>Bm sat070</b>	ACCCTCTACGTAGTATATG	CAGCCTTTTTCAGGGCTAA	55	1.8	107 - 148
<b>Bm sat102</b>	GCTCGCCATATGCAATCCTC	CGTCATTGCCTTCATTCAGTTC	55	1.8	143 - 186