

Table S1. MassARRAY primers used for genotyping of eleven variants in *BMPR1B* and one variant in *T* gene.

Mutation	Primer Sequence (5'-3')	Annealing Temperature (°C)
g.30483678_30483676 AGAIndel	F: ACGTTGGATGCACTCTGATGTAGTTTCC	51.6
	R: ACGTTGGATGATTTAAGAAAAGGGAGGAG	
	E: CTTAGCCTACCATTTT	
c.30484046C>T	F: ACGTTGGATGTTCTACCTGGGATTTTGGG	52.4
	R: ACGTTGGATGTGTCATTGGCACCATCTCAC	
	E: GCTAGAATGTAGGTTG	
c.684G>A	F: ACGTTGGATGCAATCTGTAGTGCCGTGAAC	52.4
	R: ACGTTGGATGCCAATCTGTTTCACCATCTG	
	E: GGTTAACAGGTCCAGAG	
g.30058882_30058873 GCAGATTAAIndel	F: ACGTTGGATGTGCTTGCTAAACTCCATGTG	54.6
	R: ACGTTGGATGAGTGCTTCGTGTTACTCAAG	
	E: GGAAGATGTGAGGTTCTTT	
c.1560C>A	F: ACGTTGGATGAGCTTAATGTCCTGGGACTC	55.0
	R: ACGTTGGATGAATCCTGCCTCAAGACTGAC	
	E: GGGGCTGACATTTTGGCAAG	
c.1203A>C	F: ACGTTGGATGGCCTGACTTCTCCTTAGTG	62.4
	R: ACGTTGGATGACACTTCTGGAGGCATGTAG	
	E: TTGCCATACCACCCAACACTCG	
c.687G>A	F: ACGTTGGATGCCAATCTGTTTCACCATCTG	57.4
	R: ACGTTGGATGCAATCTGTAGTGCCGTGAAC	
	E: ACCCTCTGAATTTGCTTTGCTAT	
g.30032124T>A	F: ACGTTGGATGAAACTTCTGTTTGTCCAGGC	71.4
	R: ACGTTGGATGAAGATGTTCCAGCAGCATCC	
	E: CTTTTGTCCAGGCTGCTCCCTGAG	

	F: ACGTTGGATGTTTTCTTTTCACCTCCTCCC	
g.30483701T>A	R: ACGTTGGATGCTTGTAAGCTCAAAGGATTG	56.6
	E: CCTCCTCCCTTTTCTTA	
	F: ACGTTGGATGCCAAGATGTTTTTCATGCCTC	
<i>FecB</i>	R: ACGTTGGATGTTCTTCACTACAGAGGAGGC	46.7
	E: CCTCATCAACACCGTC	
	F: ACGTTGGATGTGGATGTAGACGCAGCTGG	
<i>T</i> Gene	R: ACGTTGGATGACCGCTGGAAGTACGTGAAC	65.2
	E: CCCCTGCTCTGGCTTGCCCC	

Note: F: forward primer. R: reverse primer. E: extended primer.