

**Table S1** Sequences of the primers used for the amplification and sequencing of rs576016632

Gene	Locus/Version	SNP	Alleles	Primer Information
<i>SPEG</i>	NM_005876.5	rs576016632	G>A,C,T	<p>GGTAACTGACTCCCCTGCAGTGGGTCTGTGGGGGCCAGGCACACT  ACGGAGGGGAAAGCCTGGAACAAATACCGAGGGACTCCCTTAAGCCG  GGCCGGCGATGGGGGCTCCTGGAGGGAGAGAAGGAGCCAAGTGGGA  GTCAAGTCCCTCCCCTGCTGCCCCCTCCCTCCACGGCTCCCTCGCA  ACCCGAGCCGGGGGGCCATAAAATAGCCCCAGGCGCAATCGCCGG  CCGCCCCGGTGACCTTCTGGGTAGCACAGGCCGAAGGCGGGCGGG  CAGCAGGAAGGCAGGCCGCGGCCCCCCAGACTTGTCTCCTAGGGC  ACCGTCCCGCGGGTGCCCCGTGGCCGCCAGTTCGGGCGTCCCC  CCAGCCCAGCTCTCAGTGGCCATGCAGAAAGCCC*GGGCACGCGA  GGCGAGGATGCGGGCACGAGGGCACCCCCAGCCCCGAGTGCCC  CCGAAAAGGGCCAAGGTGGGGGCCGGCGGGCGGGGCTCCTGTGGCC  GTGGCCGGGGCGCCAGTCTTCCTGCGGCCCTGAAGAACGCGGCG  GTGTGCGCGGGCAGCGACGTGCGGCTGCGGGTGGTGGTGAGCGGG  ACGCCCCAGCCCAGCCTCCGCTGGTTCGGGATGGGCAGCTCCTGC  CCGCGCCGGCCCCGAGCCCAGCTGCCTGTGGCTGCGGCGCTGCG  GGGCGCAGGACGCCGGCGGTACAGCTGCATGGCCCAGAACGAGC  GGGGCCGGGCCTCCTGCGAGGCGGTGCTCACAGTGCTGGAGGTCTG  GAGGTAAAGGGCAGGTGGGGGCCGCGCCC</p>

>hg19\_dna range = chr2:220299313-220300113 5'pad =400 3'pad =400 strand = + repeatMasking = none Ex1. The underline sequence represents the amplification primer; the italics sequence represents the sequencing primer; \*, represents the target site. NM, Nucleotide Molecular; SNP single nucleotide polymorphism.