

Exon/Intron	Primer name	Primer sequence	Annealing Temperature (°C)	Product size (bp)
Exon 1 and 2	SMIM1_1/2a-F	ACCTTCCGGACCAGACACCT	69	586
	SMIM1_1/2b-R	GCAGGAAGGCCCTAGGTACACA		
Intron 2	SMIM1_intron2a-F	ACCCACACAGGCTGAGGACAC	64	452
	SMIM1_intron2b-R	GGGTCTGTCGCTGACTTAACA		
Exon 3	SMIM1_3a-F	GACCTTAGTGCCCCCTCTCCTAA	64	519
	SMIM1_3b-R	GGCCCCCTAAGTGGACTGTG		
Exon 3	SMIM1_3c-F	CACCTGTTAAGTCAGGCGACA	60	445
	SMIM1_3d-R	GTTTGCTGAGCTGCTGGAC		
Exon 3	SMIM1_3e-F	CCCTTAGTGCCCCCTCTCCTA	60	399
	SMIM1_3d-R	GTTTGCTGAGCTGCTGGAC		
Exon 4	SMIM1_4a-F	ACCCGGCCACAGTCCACTTAG	64	450
	SMIM1_4b-R	GTGTGCCCAGCTGTTTGTAGGT		
Intron 2	EMSA probe sequence. SNP rs1175550 is shown in bold.	IRDye 700-5' - TATCAGGGGCTGCAGCCTAG <b>[A/G]</b> TTGGGCCACAATGTCCTCGT -3'		
<i>smim1</i>	Zebrafish <i>smim1</i> morpholino	5' - ATATAGAGAAGACTCTTACCCAAGC-3'		
<i>control</i>	Zebrafish standard control oligo	5' - CCTCTTACCTCAGTTACAATTTATA-3'		
<i>smim1</i>	Zebrafish <i>smim1</i> RNA reverse transcription PCR primers. F/R	TGACTGACTGCAGAGCTGATG GAAACTAAAAC TGGTTTGAACAAGTC		

**Supplementary Table 3.** *Primer and oligo sequences used.*