

Supplementary Table 1:

Primers sequences and conditions for *IGSF1* amplification

Exons	Sequence (5'- 3')	Direction	Amplicon size (bp)	Annealing temperature(°C)
2 - 3	AGCAGCAGGTGACCTTGTA	forward	497	60
	GCCAGCATCTTGGATCCTTT	reverse		
4	TCTGGGTCCGGGCTAATTTT	forward	486	62
	AACTGTGGGATGCATGCTTG	reverse		
5	GGGTGGCAAACAAGGATCAT	forward	478	60
	AGAAACCCTAGCTCAGCCAG	reverse		
6	ACAGAGGCAGAGATCCAAGG	forward	499	60
	GGGAGCACAGAGGGAGATTT	reverse		
7	AGTGGGAGCAGGAAGTAAA	forward	483	60
	GCGTGTGTGTGTATGTGT	reverse		
8	GGGAGAGGGTACTGGGTTTG	forward	400	60
	CTGGGCACTGATCTGGGAT	reverse		
9	CCAGATTGTCCTCACCCCAT	forward	289	60
	CCTCTGTGGCTTGTCTCAAC	reverse		
10 - 11	ATGACATAAATTGCCGCCCC	forward	356	60
	CCAATGACACTGACGCTCTG	reverse		
12	TAGAGGGTTCAAGGGCAAGG	forward	499	60
	CTCCTCTCCTACATGCAGCA	reverse		
13	TGCTGACAAAGTGACCCTGA	forward	463	60
	AGGACCAGCAGCAAAGTTTG	reverse		
14	AAGAAGCCTCCGAGAACCAA	forward	475	57
	CTCTCCCACTGACAGCCTTC	reverse		
15	TGAGTGGTAGAATTGTGTTTCCT	forward	495	60
	CCCCTTCTCCAATGATCTCCA	reverse		
16	GAACTACCGTGCCCAAGAG	forward	490	63
	AATTGGTTGCCTCTCCTCGA	reverse		
17	TATTGAGCAGAGACCCCAGG	forward	447	60
	CCTGAACTTAGCCTTTTACCCC	reverse		
18	GGGGTAAAAGGCTAAGTTCAGG	forward	493	60
	GTCCCACCTCCTCATCATCC	reverse		
19	TCCCACGTGAACCCTAAAGA	forward	326	60
	CGGTGGGGCTCAGATACTAG	reverse		
20	CTAGTATCTGAGCCCCACCG	forward	384	60
	AAACATCTCACCCCTGGCAGA	reverse		

bp: base pair