Appendix 3

Sequences of primers used for variant screening in the SREBF-1 gene

Fragment	Location	Forward primer	Reverse primer	Size (bp)	Tm (°C)	$MgCl_2$ (mM)
1	Promoter 1a	5'- TGGGTACTGGCTTCCTCCTTCA -3'	5'- CCAAACTTCATTTCCTCATTTCC -3'	400	62	1
2	Promoter 1a	5'- CTTGGATCCTGGTCTGTCTTG -3'	5'- GAAAAGTTCCTCGGAAACTGG -3'	408	62	2.5
3	Exon 1a	5'- TCGACCGCCCAGCAGA -3'	5'- GGAGACAAAGGCCAGGGAGA -3'	378	64	1
4	Promoter 1c	5'- AACCCTTATTTCCAGGCCTCA -5'	5'- CCCTGAGCGAGCCTTAACC -5'	303	62	1
5	Promoter 1c	5'- TGTCCTGTTTTCTGGAGGAG -3'	5'- GGGGGCTCGAGTTTCA -3'	263	59	1
6	Exon 1c	5'- TCAACGGCTTCAAAAATCCG -3'	5'- GAGGCATTGTATAAAGGGCTGG -3'	167	62	1
7	Exon 2	5'- ATGTGTGTGATGCCCTGTTT -3'	5'- GTGGCACTGACTCTTCCTTG -3'	362	63	1.5
8	Exon 2	5'- CCACTCCATTGAAGATGTACCC -3'	5'- AAGCCTGCACAGACCTCTACTC -3'	313	61	1
9	Exon 3	5'- AGTGGGAGAGGGAGGTCTGT -3'	5'- GGCTGTAAGCTGTGTGTCTGG -3'	301	60	1.5
10	Exon 4	5'- CAGCCCCTGTAACGACCAC -3'	5'- AGATGGTTCCGCCACTCAC -3'	375	58	1.5
11	Exon 5	5'- CACACACACATGCCCACCT -3'	5'- GTTGCCCCTGATCTGTTCCT -3'	329	65	2.5
12	Exon 6	5'- GCTCTCCAACCCCACAAC -3'	5'- GTGGAGCAAGGCTAGAGAAGA -3'	240	60	1.5
13	Exon 7	5'- GGGTCACATATCCAGCCTTT -3'	5'- GCTCCAGGCCTCAGTTATTC -3'	398	57	1
14	Exon 8	5'- CCTACCTCCCATTTCATAGAC -3'	5'- CAGAGCCCCAAGTTCACAAG -3'	431	58	1.5
15	Exon 9	5'- GATACCACCAGCGTCTACCA -3'	5'- ACACCCAGCACCTTCACA -3'	419	58	1.5
16	Exon 10	5'- ACGGCTCTTCTGAGCTTTGG -3'	5'- CATGAGGCTGTGGGTGGA -3'	399	62	2.5
17	Exon 11	5'- TCCGAGGTGCTCCCTGCT -3'	5'- GCCACATCCCGTGTAGCTCTT -3'	309	62	0.5
18	Exon 12	5'- GGGTAAGAGCTACACGGGATG -3'	5'- CAGAGATTCAGGCGACAAGG -3'	371	61	1
19	Exon 13	5'- CAGCCCACCCAGGAAAAA -3'	5'- GCCACTGTCTCCTCCCACA -3'	364	61	1.5
20	Exon 14	5'- TGAGTTTCCTCTCCCCACCA -3'	5'- AGAGGGAGGGTCCCCTGAA -3'	336	65	1.5
21	Exon 15	5'- CTGGCTCCCTTCTCAGCTC -3'	5'- AGTGCCAGTCAGACCAGTCC -3'	383	60	2.5
22	Exon 16	5'- TCGAGCCAGGGAAGTGG -3'	5'- GGGAATGGAAAGCTGAATCC -3'	301	60	1
23	Exon 17	5'- CATCCTGCCCCTCCCAGA -3'	5'- GGGCTCTCCATCTCCACCAC -3'	323	64,5	1
24	Exon 18a	5'- GGCTGGCACAGAGCTTCC -3'	5'- TCCCGTCTGACACACACACA -3'	337	62	1
25	Exon 19a	5'- CCAGCTTGAGACCCATCCC -3'	5'- GCGAAGGCACACAGCAGC -3'	417	67	1.5
26	Exon 19a	5'- GGCAGTGCAAGAGACTCTG -3'	5'- GCTGAAGACACAAAACCC -3'	478	60	1.5
27	Exon 18c	5'- TCCTGTGCTACTTTGCCTTTT -3'	5'- GGACAGAGCTGGGAGGTG -3'	370	59	1
28	Exon 19c	5'- GCACATGGTTGGGCTGTGT -3'	5'- GGCTTTAGGTTGGGGAATGG -3'	367	63	1