

Table SI. Multiplex ligation-dependent probe amplification probe sequences of the *BSCL2* gene.

Target gene and Ex or In	Probe sequence (5'-3')	GC (%)	Tm (°C)	Target sequence length (bp)	Total amplicon size (bp)
BSCL2 Ex1	F: GGGTTCCCTAAGGGTTGGATCAGGAAGATGTCTACAGAA AAGGTAGACCAAAGG	47	84.7	62	104
	R: AGGAAGCTGGGGAAAAAGAGGTGTGCTCTAGATTGGATC TTGCTGGCAC				
BSCL2 Ex2	F: GGGTTCCCTAAGGGTTGGACCTTTTGCTCTGGGTGTCTGT CTTCCTCTATGGCTCCTTCT	53	89.4	78	120
	R: ACTATTCCTATATGCCGACAGTCAGCCACCTCAGCCCTCT AGATTGGATCTTGCTGGCAC				
BSCL2 In2	F: GGGTTCCCTAAGGGTTGGATGGAATTTACATTTTATCAA GCTCCTTAAGTCTTTAGAAACACT	38	81.5	90	132
	R: GAAGTATGCAACTATTTAAGTATCTCTAGATTCCCATCTA				

	AGAACTCTAGATTGGATCTTGCTGGCAC				
BSCL2 Ex3	F: GGGTTCCCTAAGGGTTGGATTTAGGACCGACTGTGATTCC TCCACCACCTCACTCTGC	55	90.2	76	118
	R: TCCTTCCCTGTTGCCAATGTCTCGCTGACTAAGGGTGTCT AGATTGGATCTTGCTGGCAC	52	88.7		
BSCL2 In3	F: GGGTTCCCTAAGGGTTGGATGCTCTCAATGAGCTCACAGC GTTGATGGAAAACCTATACATTGCATATGT	45	87	96	138
	R: TTGCATACATTTAAGTAGTAACTGTAAAATGCGGATTCT GGCCAGTCTAGATTGGATCTTGCTGGCAC	41	83.8		
BSCL2 Ex4	F: GGGTTCCCTAAGGGTTGGATACCTTAGAGCTTGAGCTGCC AGAGTCCCCTGTGAATCAAGATTTG	51	88.9	82	124
	R: GGCATGTTCTTGGTCACCATTTCCCTGCTACACCAGATCTA GATTGGATCTTGCTGGCAC	49	87.7		
BSCL2 Ex5	F:	52	87	73	115

	GGGTTCCCTAAGGGTTGGAAGGTGGA ACTCTACGCAGAC TATAGAGAGAACTCGGTGA				
	R: GTGAGGTGAACGAGCTTTATGACTAGGAGATAGCTCTAG ATTGGATCTTGCTGGCAC	47	84		
BSCL2 Ex6	F: GGGTTCCCTAAGGGTTGGACAGTACGTGCCGACCACTGG AGCGATCATTGAGA	57	90.3	68	110
	R: TCCACAGCAAGCGCATCCAGCTGTATGGAGCCTATCTAG ATTGGATCTTGCTGGCAC	53	88.3		
BSCL2 Ex7	F: GGGTTCCCTAAGGGTTGGATCCCTACTTCCCTGCCTCAGAT ACCTGCTATAC	53	85.3	64	106
	R: AACTTCCCGATGACCTGCGCCTTCATAGGTGTTCTAGATT GGATCTTGCTGGCAC	51	87.11		
BSCL2 Ex10	F: GGGTTCCCTAAGGGTTGGACATTCCCCTTTTGGCTGCAGA GGGTCAGCTGTCCGAG	59	92.4	71	113

	R: GAGGAGAAACCAGATCAGCAGCCCCTGAGCGGAGTCTAG ATTGGATCTTGCTGGCAC	56	90.4		
BSCL2 Ex11	F: GGGTTCCCTAAGGGTTGGAAGGTTTCAGGCTCCTGGGAAG ATGCAGCT	57	88.9	58	100
	R: TTGCTGACGGAGGCCAACCTGCCTGCTCCTTCTAGATTGG ATCTTGCTGGCAC	57	90.1		

BSCL2, Berardinelli-Seip congenital lipodystrophy 2; Ex, exon; In, intron; F, forward; R, reverse.