

Supplementary material

Supplementary Table 1. *PCR conditions and primers for LRPPRC sequencing*

Primer Name / Region	Sequence 5'→3'	Annealing Temperature (°C)	Cycles	PCR Additives	Length of PCR Fragment (bp)
Ex 1F	GGAGACGGAAGACGGAAAA	53	35	5% Betaine	431
Ex 1R	GCAGCTTGCCTGGAGAAAG				
Ex 2F	GAGCTTTGCAGCATAAACTG	58	35	5% Betaine	712
Ex 2R	GTAGAAATGGGGTTTGCC				
Ex 3F	ACACTGTACATTAGGATAGGA	53	35	5% Betaine	439
Ex 3R	ATGTCACTATACCTCACCA				
Ex 4F	ATGCTTAGCTTGCTCTGTGTGA	53	35	5% Betaine	570
Ex 5R	CTGAAACAATTTCTCCATTAGG				
Ex 6F	AGGGGATCAAAGGGATTAG	53	35	5% Betaine	300
Ex 6R	AGCATCTCAGCCATCTATCAC				
Ex 7F	GTTTAGTATCTCGGTGCTGGT	53	35	5% Betaine	401
Ex 8R	TTCCATCATGTAAGAATAGC				
Ex 9F	TCTTCAGTATTGGAACATTGG	53	35	5% Betaine	800
Ex 11R	CATTACAAATCGGTAAAAGGC				
Ex 12F	AGGGGGATGAAGAAAGGAG	53	35	5% Betaine	485
Ex 12R	CTGGGCAATGAGAGAGAAAC				
Ex 13F	CAGGAAAACAGGATCTTTGG	63	35	5% Betaine	235
Ex 13R	GCATGCCCTCAATAGTAACTG				
Ex 14F	CTGACTCTGATTCTGCTG	53	35	5% Betaine	637
Ex 14R	GTCTGTAACTCCAACTGTC				
Ex 15F	GAATATTTGAGGTGGGTGAGTG	53	35	5% Betaine	271
Ex 15R	CCTATGGTATTGGCTTGTAAACG				
Ex 16F	CTTGTTTGCTTCTCTGCTGC	53	35	5% Betaine	322
Ex 16R	AAAAAGCCTCCCAACCCTG				
Ex 17F	GCTCCCAAACACATAATCT	53	35	5% Betaine	693
Ex 18R	GCTTCGTTTTAATGGCTGTC				
Ex 19F	CGTGTGTTTTCTAATTCTGGGC	61	35	5% Betaine	734
Ex 20R	CATGCCATTCAAGGTGTAGC				
Ex 21F	ATATCAAGGGGCAGAGTC	53	35	5% Betaine	343
Ex 21R	CTATCAAGGTCTGTAGAGCAG				
Ex 22F	AGTTCAGGTCTTCTGATGAGC	53	35	5% Betaine	253
Ex 22R	CATGTTATTCCAGTGGCAAG				
Ex 23F	GCTGGGCTTGAAATGCTG	61	35	5% DMSO	478
Ex 23R	AAGCCACAGGACCACAGG				
Ex 24F	CCCCATTTTAGCTTTGTGGT	53	35	5% Betaine	363
Ex 24R	GCCTTCTGCTGGTTTCTCTTA				
Ex 25F	CCCTTATCCTCACTAGTTCTCT	53	35	5% Betaine	499
Ex 25R	CAACCAGACTGCCTTTTC				
Ex 26F	ATTCAGCCGAAGCCTTACCT	53	35	5% Betaine	213
Ex 26R	TCTCTCGAAGTCCCCAAATC				
Ex 27F	AGTTCAACTGCCCTTTTGG	53	35	5% Betaine	313
Ex 27R	AAACTGCCTTCTGACAATCC				
Ex 28F	CACTTTTGGTTCTTTCCCT	53	35	5% Betaine	584
Ex 29R	GCTTACACCCACACTGCTA				
Ex 30F	GGGTTAGGTCTTTGTTTC	53	35	5% Betaine	427
Ex 30R	TGTACTGCACTGTATATGGC				
Ex 31F	CCAACCTTGTCATCTGTCA	53	35	5% Betaine	326
Ex 31R	ACGTAAAGGTCAAGCATTG				
Ex 32F	GCATTAAAGTCAGCACAGGTCAT	53	35	5% Betaine	396
Ex 32R	CAGCAACTAGCATCAACATTCC				
Ex 33F	ATGTGATTCAGGGTTTCAG	53	35	5% Betaine	641
Ex 34R	ACCACACGCCTATGTCTAG				
Ex 35F	TGGCATAGCTTGCACTTGT	53	35	5% Betaine	422
Ex 35R	AGCTAACAGACGACAAAAGTAC				
Ex 36F	ATACAAGGGACAATAGTGC	53	35	None	346
Ex 36R	CTTTGAGCTGAAGACTAAGAC				
Ex 37F	CTGAGTGGCTGTTTGGTG	53	35	None	340
Ex 37R	GCTCTTACAGAGATCTAATCCTC				
Ex 38F	ATCACCTTTGCTGGTATCTC	53	35	5% Betaine	638
Ex 38R	TTGGGTCTCTGCTTCTCAC				
3'UTRF	TTAGTCTGCTGTTTCTCTG	53	35	None	593
3'UTRR	AACCTCTCTGACTACCTATC				