

Appendix 1. Primers for Sanger sequencing the exon and intron boundaries of *C8orf37*.

Primer Names	Primer Sequences (5'→ 3')	Product Size (bp)	Melting temperature (°C)
C8ORF37-Ex1-F	dCAGGTCCCCCTCGTTACTCCT	358	60.5
C8ORF37-Ex1-R	dGGTCTGAACCCCTGATGCAAG		60.7
C8ORF37-Ex2-F	dGCTTTCTCTGCTCATAAACCTCA	346	60.0
C8ORF37-Ex2-R	dGAAATGCACAGGGAAACACA		59.5
C8ORF37-Ex3-F	dTGCACATTCCCTTAGGGAGTTCT	450	60.1
C8ORF37-Ex3-R	dACACAAAGGGGGTCACAGAC		59.9
C8ORF37-Ex4-F	dGAAATGGTTGGCTTGCTAGG	459	59.7
C8ORF37-Ex4-R	dCTGGAGTGATCCAGGCATTT		60.1
C8ORF37-Ex5-F	dAAATCACCATGTTTTTCATTGG	325	57.3
C8ORF37-Ex5-R	dGTCCATCGTTGACTGAAGCA		59.8
C8ORF37-Ex6-P1-F	dAAGCACTGAACAAAGCCACT	681	57.6
C8ORF37-Ex6-P1-R	dGGTTTCTGCCATGTCCAAAT		59.8
C8ORF37-Ex6-P2-F	dATTTGGACATGGCAGAAACC	769	59.8
C8ORF37-Ex6-P2-R	dTGTGTCATGGCTAGGAAAAGG		60.1
C8ORF37-Ex6-P3-F	dTTATTCCAGCCACCCCTACTGA	606	59.6
C8ORF37-Ex6-P3-R	dTGTGGATCTTGTTGCTCTGC		60.0
C8ORF37-Ex6-P4-F	dTGAAGTCGACTGCTGGAAAA	595	59.6
C8ORF37-Ex6-P4-R	dGCTTATAAATTGCCAATAAACATGG		60.0
C8ORF37-Ex6-P5-F	dTGCCCTCTACTTTGAAGGGACA	836	59.9
C8ORF37-Ex6-P5-R	dGCATACTTCTCCTCCCCAGT		58.2

The primer names, DNA sequences, PCR product size and melting temperatures of each primer are shown.