

Exon	Forward Sequence	Reverse Sequence	Annealing Temperature	MgCl <sub>2</sub> Concentration
1	TGC ACC TGT TAA CTC TGA GGG CAA	AAG ACT GGA AGC AAC TGG TCA C	60°C	1.0 mM
2	TCT TGC TGC TTC TTG CAG TGC T	ACT CCT GGG CTC AAG CAT TTC T	55°C	1.5 mM
3	CCA GTG GTG TGA GCC TTT GAT A	TGA CCT CCT CTA TCT TCC TTG CCT	60°C	1.0 mM
4	TGA CCC TAA ATA ACC TTA GAG CCC	AGT GCT TGG ATT ACA GGC GTG A	55°C	1.5 mM
5	AAT TGC AGC AGA GGC CCA CAA A	TTG CAG CCC ACT TCC CAC TTT A	60°C	1.5 mM
6	TGG GCT GCA ATG GTG AAA CAC A	TCC AAG TGC AAC CAC ACC ATG A	55°C	1.0 mM
7	TAA AGT GGG AAG TGG GCT GCA A	AGG CCC TTA GAT TGT GTG TGA G	55°C	1.0 mM
8	GGC AGC AGA ATT CCG TGG CTT AAA	TGA TTG TGT CAC GGC ACT CCA A	60°C	1.0 mM
9	ATG TGG TGT TTG GAA GGA TGC C	AGT GGA CAA GAA CTG GGC TCA A	60°C	1.5 mM
10	TGC CAT CTT CAT CTG ACT GCT G	AGC AGG GTT CTC TAA CGC AGA A	60°C	1.0 mM
11	TTC TGC GTT AGA GAA CCC TGC T	ACA GAA AGT TGC TGC ACC TGG A	60°C	1.5 mM
12	AGG GCA TCA ATC TTA CAA GAG CA	GCT TTC TAT CAT CCA ACG TGA GG	55°C	1.5 mM
13	CAT GCT CAG CTC ACT GCT GAA	CTT AAG AAC TGC GGG TTG CCA	50°C	1.5 mM
14	CTC CCA ATC AGC AGC ATG AAA	TAC TTC ATG AGG GCA GAG CTA A	55°C	1.5 mM

**Supplementary Table 2.** PCR primer design for sequencing of *ADD3*.

The forward and reverse primer sets used to sequence the 14 coding exons of *ADD3* are listed above. The optimal annealing temperature and MgCl<sub>2</sub> concentrations are also included.