**Supplementary Table S2**

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| **Primer Exon** | **Sequence** |
| TRPC4AP\_Ex1F | 5‘-CTC TTT TCC CAC CTA CCC CG-3‘ |
| TRPC4AP\_Ex1R | 5‘-AAG GGA CAT CAA GCC AGC TG-3‘ |
| TRPC4AP\_Ex2F | 5‘-TTT GGA AGT CGG CTG CTC TC-3‘ |
| TRPC4AP\_Ex2R | 5‘-ACC TCC CAA AAT TAA GCA AGC AC-3‘ |
| TRPC4AP\_Ex3F | 5‘-TGT GGT TCA TTG GGG ACT GT-3‘ |
| TRPC4AP\_Ex3R | 5‘-GCT TCA ACA TGT AAA TGC CGC-3‘ |
| TRPC4AP\_Ex4F | 5‘-GAC TTG CTG CAG TCAG GAG CC-3‘ |
| TRPC4AP\_Ex4R | 5‘-GCT GCT TAG CTG GGG GAG GAG-3‘ |
| TRPC4AP\_Ex5F | 5‘-AGG TTC TGA TGG GCA CTA TGA-3‘ |
| TRPC4AP\_Ex5R | 5‘-TCC CAT CTT AAA CAT TGC AGA CC-3‘ |
| TRPC4AP\_Ex6F | 5‘-CAT GCC AGT TTT CAG AGG TGA-3‘ |
| TRPC4AP\_Ex6R | 5‘-TGA GAA TCC AAT GGT CTG AGA C-3‘ |
| TRPC4AP\_Ex7F | 5‘-AAG GGG ATG CGA AAG AGA GG-3‘ |
| TRPC4AP\_Ex7R | 5‘-GCC TGG GTG ACA TAG TGA CG-3‘ |
| TRPC4AP\_Ex8F | 5‘-TGC AGA TTG TTT GTT AGG GCT-3‘ |
| TRPC4AP\_Ex8R | 5‘-TGA GGA CAA TTC TAC TCT GAG CA-3‘ |
| TRPC4AP\_Ex9F | 5‘-TGT TCA GAG CAG GTT CGA GG-3‘ |
| TRPC4AP\_Ex9R | 5‘-TAA CAG AAG GCC CAG TGG AG-3‘ |
| TRPC4AP\_Ex10F | 5‘-TGG CCC TCC TTA CTG ACA GT-3‘ |
| TRPC4AP\_Ex10R | 5‘-AAG GTC AAA GGG TCA GCA GC-3‘ |
| TRPC4AP\_Ex11F | 5‘-GGT ACA TGA GGA CAG AGG CT-3‘ |
| TRPC4AP\_Ex11R | 5‘-GGG GTG GCT ATG AGG GTT AG-3‘ |
| TRPC4AP\_Ex12F | 5‘-ACA GGA AGT GGG CAG GAG A-3‘ |
| TRPC4AP\_Ex12R | 5‘-CGT GCA TAC CTG GAT GTG CT-3‘ |
| TRPC4AP\_Ex13. 2\_F | 5‘-AGA TGT GGT GGG AAT GCA CT-3‘ |
| TRPC4AP\_EX13.2\_R | 5‘-TGA ATG CTC GGT CAC TGT GG-3‘ |
| TRPC4AP\_14F | 5‘-ATG AAC TGT TTG GGG CTC AG-3‘ |
| TRPC4AP\_14R | 5‘-ACC CCT TGG AGA ACT GAA CA-3‘ |
| TRPC4AP\_Ex15.2\_F | 5‘-CCC CAG GAT GCT TGC TCA AA-3‘ |
| TRPC4AP\_Ex15.2\_R | 5‘-CCA GAC AGA GCA GGT TCC AA-3‘ |
| TRPC4AP\_Ex16\_F | 5‘-AGT GCC TCT TAG TAC CTG GGT-3‘ |
| TRPC4AP\_Ex16\_R | 5‘-GTG CAG CTC CCT CAG TCA TT-3‘ |
| TRPC4AP\_Ex17F  | 5‘-CTA GCT TCA GAG TCA GGA CCC-3 |
| TRPC4AP\_Ex17R  | 5‘-TCC TTA GGC CCT GTC TGT ACA-3‘ |
| TRPC4AP\_Ex18Ex19F  | 5‘-ACT CTC CTC CCT GCC TGA TG-3‘ |
| TRPC4AP\_Ex18Ex19R  | 5‘-CCA CCA AGC CTG TAC CCA AA-3 |