Supplemental table 1. List of the oligunucleotides used for RT-PCR assays

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| --- | --- | --- | --- |
| Oligonucleotide  | 5' 3' Sequence | Database sequence number | Position in sequence |
| *ACSM1*Forward primerReverse primerReporter probeQuencher probe | CCAGGAAGTAGGAAATTACGGGGTATTTCAACAATGTCTGTGTCAAACTGTGGCAGATGGTGGATAAAGATCTGCCACAGTTTGACA | NM\_052956.2NM\_052956.2NM\_052956.2NM\_052956.2 |  813-832978-997934-963947-963 |
| *CACNA1D*Forward primerReverse primerReporter probeQuencher probe | AGGAGTGCCCAGTTTACAAGTCCTCTTCAGCTACGATATCTGTTTGTGCATTTTTCCAATAAAAAGTTCCAATCCTTGGAAAAATGCACAAA | NM\_000720.3NM\_000720.3NM\_000720.3NM\_000720.3 | 874-8931035-1056983-1015999-1015 |
| *DLX1*Forward primerReverse primerReporter probeQuencher probe | CAATGGCAAGGGAAAAAAGGAACCAGATCTTGACCTGAGTCTCCAGTTTGCAGTTGCAGGCTTTGAACTGCAACTGCAAACTGGA | NM\_178120.4NM\_178120.4NM\_178120.4NM\_178120.4 | 561-579705-726604-630604-620 |
| *KLK3*Forward primerReverse primerReporter probeQuencher probe | AGCATTGAACCAGAGGAGTTCTCCCGAGCAGGTGCTTTTGCCTTCTGAGGGTGAACTTGCGCAAT CAC CCT CAG AAG G | X05332X05332X05332X05332 | 518 – 539658 – 675596 – 617604 – 617 |
| *LMNB1*Forward primerReverse primerReporter probeQuencher probe | ATGTATGAAGAGGAGATTAACGCATTCTCAAGTTTGGCATGTCCAGCTCCTCCTTATACAGCCTCACTTTGTATAAGGAGGAGCTGGA | NM\_005573.3NM\_005573.3NM\_005573.3NM\_005573.3 | 1517-15381691-17091653-16801662-1680 |
| mmPSAForward primerReverse primerReporter probeQuencher probe | TGAACCAGAGGAGTTCTTGCACCCAGAATCACCCGAGCGACCTTCTGAGGGTGATTGCGCACAATCACCCTCAGAAGG | X05332X05332X05332X05332 | 523 – 543667 – 685594 – 601604 – 617 |
| *PLA2G7*Forward primerReverse primerReporter probeQuencher probe | ATTACAATCAGGGGTTCAGTCAATCTTTATGAAGTCCTAAATGCTGCAACTGGCAAAATAATTGGACACATGCTTATTTTGCCAGTTGCA | NM\_005084.3NM\_005084.3NM\_005084.3NM\_005084.3 | 1299-13191451-14731346-13741346-1362 |
| *RHOU*Forward primerReverse primerReporter probeQuencher probe | CAAGACGAGCCTGGTGGGCTTGTCAAATTCATCCTGTCCCTACTGCCTTCGACAACTTCTCCGCTTGTCGAAGGCAGTAGG | NM\_021205.5NM\_021205.5NM\_021205.5NM\_021205.5 | 849-865983-1003904-929904-920 |
| *SPON2*Forward primerReverse primerReporter probeQuencher probe | GTGACCGAGATAACGTCCTCGCGTTTCTGGAACTGAGGCTGTCTACAATCTCATTGTCCCTGCTGGGGGACAATGAGATTGTAGACAG | NM\_012445.3NM\_012445.3NM\_012445.3NM\_012445.3 | 957-9761135-11521104-11321112-1132 |
| *TDRD1*Forward primerReverse primerReporter probeQuencher probe | AAAGAAGTGAATATTAAGCCTGTAGTAGGTCTGCTTGCACTGACGTCCTGCAAAATCAAAAAAACTAAACAATTTGATTTTGCAGGACGT | NM\_198795.1NM\_198795.1NM\_198795.1NM\_198795.1 | 523-544700-719555-584555-572 |