| Gene name | Primer sequence (5’ to 3’) |
|-----------|---------------------------|
| DNAH7‑E18‑F | TGGCTACCACATCTGTATATCCTCA |
| DNAH7‑E18‑R | GCTGCCTCCTAATAACTTTCCTCAA |
| CAPN10‑E7‑F | GAGGAGGATGTGGATGATTTCTGGT |
| CAPN10‑E7‑R | GAGCCAGTCTCTAGAGAAACCCAG |
| LPA‑E34‑F | TTCTCTCCCTCTCTCTCTCCTCC |
| LPA‑E34‑R | AAGGGTTCCGGTTGGACTATC |
| ABCB5‑E12‑F | CAGGATTGGCTCTTTAACAAC |
| ABCB5‑E12‑R | TGGTCTGTATGCTTTTTCCTCTC |
| LAMB1‑E3‑F | GTGGGTTTCTTCTCCGGTG |
| LAMB1‑E3‑R | TACAGTATGGTCCGGTG |
| CTTNB2‑E5‑F | TGGTCTGTATGCATTTCTCTC |
| CTTNB2‑E5‑R | TGGGCTTTTGACTTTCCATCC |
| ZNF79‑E5‑F1 | CCAACAAGGGAAACACAACAG |
| ZNF79‑E5‑R1 | CTTCCCAACATTCACACTGGC |
| LAMC3‑E15‑F | ATCTCTCTGCTCTGGT |
| LAMC3‑E15‑R | TGGTCTGTATGCTTTTTCCTCTC |
| JMJD1C‑E6‑F | CCAACCTAAGGTGGAACAGT |
| JMJD1C‑E6‑R | GAGCCAGTCTCTAGAGAAACCCAG |
| SCUBE2‑E7‑F | ACCGTCTCTCTTGGTCCTTC |
| SCUBE2‑E7‑R | GTGGTCTGTATGCTTTTTCCTCTC |
| GPR152‑E1‑F | CAGGAGGCGGATGGT |
| GPR152‑E1‑R | TTCAGAGGGCAGGAGTG |
| OAS3‑E9‑F | TCCCTCCAAAGTGCTTAT |
| OAS3‑E9‑R | AGGTGAGGATGGT |
| MYCBP2‑E50‑F | CCAACCTAAGGTGGAACAGT |
| MYCBP2‑E50‑R | TGGTCTGTATGCTTTTTCCTCTC |
| CACNA1H‑E25‑F | GAGAGGGATTGTCTGGGGAG |
| CACNA1H‑E25‑R | CCGTCTGCTGCTCAGCAG |
| CHD3‑E11‑F | TCCCTTCTCTGCCACCACAT |
| CHD3‑E11‑R | TCCCTTCTCTGCCACCACAT |
| MYH4‑E4‑F | CAGAAGCTCAGGTCGAGT |
| MYH4‑E4‑R | AGGTGAGGATGGT |
| ARHGEF6‑E12‑F | TGGTGGGTCTCTCAGGCTT |
| ARHGEF6‑E12‑R | TCATCCGAGGACTTGCAAT |
| ATP2B4‑E12‑F | ATGGTACGCACTGTCATCGA |
| ATP2B4‑E12‑R | AGCGTTGAAAGGGTGCTCA |
| NRP2‑E9‑F | CAGGCTCTTAAACCACAGTG |
| NRP2‑E9‑R | TACCTAAGGCACACTCCTC |
| CSM1‑E41‑F | GAGAGGGATTTGTTCTGGG |
| CSM1‑E41‑R | ACCGAGGAGGAGGAGGAG |
| SORCS1‑E1‑F | TAAAGAGATGGGAGGAGGAG |
| SORCS1‑E1‑R | GAGGATTTGTTGAGGAGGAG |
| USH2A‑E13‑F | ATCTGCAAGGCAAGGAGGAG |
| USH2A‑E13‑R | CCAACAAACCAGAAACAGGAG |
| SNTG2‑E3‑F | CAGACAAGCTGTGAAAGG |
| SNTG2‑E3‑R | GGGATTTGAGGAGGAGGAG |
| SCN1A‑E10‑F | AGCCATGCAATACCTTCAGCC |
| SCN1A‑E10‑R | TCCCTCTCTGTCCCTCCTC |
| SETD5‑E20‑F | GGTTGGTGTTGCTCTTTGT |
| SETD5‑E20‑R | CCTCTGGAAACTGAGGAGG |
| CCDC14‑E5‑F | GGCCTCTACCATCAACAG |
| CCDC14‑E5‑R | AGGAACAGACTCTCTTCA |
| ROS1‑E43‑F | TCTGCTCTCTCTCTCTCTCTC |
| ROS1‑E43‑R | TGGTCTGTATGCTTTTTCCTCTC |
| SYNE1‑E72‑F | TCGAGGCAATGATGGAAGAAGAATTT |
| SYNE1‑E72‑R | CAAACACAAAAACGAATCCAAA |
| THSD7A‑E24‑F | GCCGGAGCTCAGTAACAGGG |
| THSD7A‑E24‑R | TGCAATAGAGACAGGTGGG |

Table SI. Sequences of PCR primers.
| Gene name   | Primer sequence (5’ to 3’)                  |
|------------|---------------------------------------------|
| PLXNA4-E31-F | CCAGCAACCCAGATGAGAGA                       |
| PLXNA4-E31-R | AGAGGTGGATGTGTCTGTGG                        |
| CHD7-E3-F   | ACCGAATGCTCAGCTAGTGA                       |
| CHD7-E3-R   | CCCACAGCCTACCTTGACTT                       |
| PKHD1L1-E77-F | TCCAGAACTTTGACCCCTGCT                     |
| PKHD1L1-E77-R | CCAGCCTTTGTTCCACACAT                     |
| KCNMA1-E1-F | TGGCTGTGGATGGGTGTTTG                      |
| KCNMA1-E1-R | GCAAGATGATGAAGAGGGCC                      |
| SLK-E12-F   | AGCGACAATATGACCAGAAGA                      |
| SLK-E12-R   | TACGCTGGAGAGAGACGAATG                      |
| NAV2-E5-F   | GCACCTACGACATCCAGT                        |
| NAV2-E5-R   | GCCTAGAGATGGTTGGGT                        |
| NCAPD2-E20-F | CTGACACACACCAAGATG                       |
| NCAPD2-E20-R | TCTTCTAGCTTTCACGAGGC                     |
| SMARCC2-E26-F | CAGACAAGCTTCCACAGATGG                    |
| SMARCC2-E26-R | CACCGGATTCCTCTAGCCA                     |
| GOLGA3-E12-F | CACATCCCCCTCACTAGCCT                     |
| GOLGA3-E12-R | TTTCAGAGACAGATCTCTCCT                    |
| SPATA13-E2-F | AGTCCACCTCAATCTTGCA                      |
| SPATA13-E2-R | GAACGTGCTTTCCACCG                       |
| MTMR12-E5-F | GCTTCTTTGGCAGTCACCT                    |
| MTMR12-E5-R | CCGCCTACTGACCTTGTTTA                    |
| DNARH9-E15-F | TCAAGCAGATGCTGAGA                       |
| DNARH9-E15-R | TTCAACCCACCTGTCCTCA                    |

E, exon; F, forward; R, reverse.