

Table SI. Sequences of PCR primers.

Gene name	Primer sequence (5' to 3')
DNAH7-E18-F	TGGCTACCATCTGTATATCCTCA
DNAH7-E18-R	GCTGCTTCACTAATACCTTCAAA
CAPN10-E7-F	GGAGGAGGGTGATGATTCTGT
CAPN10-E7-R	GAGCCAGTCCTAGAACCCAG
LPA-E34-F	TCTTCTCCCTCTCCTGCTCC
LPA-E34-R	AAGGGTTCGGTGGGACTATC
ABCB5-E12-F	CAGGATTGGCGTCTTAACACA
ABCB5-E12-R	TGGTCTGTATGCATTTCTCTCTC
LAMB1-E3-F	GTGGGTTTTCTTTCCGTGTCC
LAMB1-E3-R	TACAGTAGGGTTCGGGCTTG
CTTNBP2-E5-F	TGTCTCTTGTCTTGCTCCT
CTTNBP2-E5-R	TGGGCTTTTGACTTTCCATCC
ZNF79-E5-F1	CCACCAAGGGAACACAACAG
ZNF79-E5-R1	CCTTCCCACATTCCTGCTGCAC
LAMC3-E15-F	ATCTCCTCTGCCTCTGTTGG
LAMC3-E15-R	TGCCAAGAGTCCATCCCTTT
JMJD1C-E6-F	TCGTCAGAACAGTCCACAGT
JMJD1C-E6-R	CAACTTCAGGTGATGGGCTG
SCUBE2-E7-F	ACCGTGCTCTTTTGCTTCTC
SCUBE2-E7-R	GGTCTTGCTTGGTTGGTGAT
GPR152-E1-F	CAGAGGCCAGTCACAGATG
GPR152-E1-R	CTTCAGAGGCAGGAGGTGTG
OAS3-E9-F	TTCCTGCCCAAGTGCTTAT
OAS3-E9-R	AGAGTGAGGAGTGGGATTGC
MYCBP2-E50-F	CCTTGACATCCTGAGACATTCC
MYCBP2-E50-R	TGAAGCATCAGTGACAAACGT
CACNA1H-E25-F	GTTTCGTGCTGTCATCCAAGG
CACNA1H-E25-R	CTTACTCCTGCGCCTCCTC
CHD3-E11-F	TCCCTTTCCCTGTCCCATC
CHD3-E11-R	TCCTCCTGTTTTCTCCCGTT
MYH4-E4-F	CGAAGCTGGAGCTGTGAGTAA
MYH4-E4-R	AGCGTTGAAAGGGTGCTCA
ARHGEF6-E12-F	TGTGGTGACTTCTCAGGCTT
ARHGEF6-E12-R	TCATCCGAGGACTTGCAGAT
ATP2B4-E12-F	ATGGTACGCACTGTCATCGA
ATP2B4-E12-R	TGAGCCCAATAAGCCCTTTG
NRP2-E9-F	CAGGCTCTTAACCACAGTGC
NRP2-E9-R	TACCTGAAGCCACTCCTCAC
CSMD1-E41-F	GAGAGGGATTGTCTGGGGAG
CSMD1-E41-R	CGGTTCTCGTTGTTGTTCCA
SORCS1-E1-F	TAAGAGATGGAGGGCAGCAG
SORCS1-E1-R	GATGGTGTGGTGGGAGAGA
USH2A-E13-F	ATCTGCAAGCCCAATGTTGA
USH2A-E13-R	CCACAAACCAGAAACAGGGAG
SNTG2-E3-F	CAGACAATGCCTGGAATGGG
SNTG2-E3-R	GCCATCAGAAAGAAACGTGGT
SCN1A-E10-F	AGCCATGCAAATACTTCAGCC
SCN1A-E10-R	TTCTCCTGATGCTGTCCTC
SETD5-E20-F	GGGTTGGTGTCTGCTTTGTT
SETD5-E20-R	CCTCTGGAATCTGATGGGCT
CCDC14-E5-F	GGCCTCTACCATCACAAGCT
CCDC14-E5-R	AGCAACAGACTTCATACTTCCT
ROS1-E43-F	TCTGCTTCCCTGCTAGACTG
ROS1-E43-R	TGTCTGCATGTGGTTCCTTC
SYNE1-E72-F	TGCAGGCAATGATGGAAGAAATT
SYNE1-E72-R	CAACACACCAAACGAATCCAAA
THSD7A-E24-F	GCCTGGAGTCACTACATAAGGT
THSD7A-E24-R	TGCATAAGAGACAGTGGGGT

Table SI. Continued.

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	TCCAGAACTTTCAGCCTGCT
PKHD1L1-E77-R	CCAGCCTTGTTTCACCACAT
KCNMA1-E1-F	TGGCTGTTGATGGGTGTTTG
KCNMA1-E1-R	GCAAGATGATGAAGAGGCC
SLK-E12-F	AGCGACAATATGACCAGGAAA
SLK-E12-R	TGACTGTTGAGAAGACCGAATG
NAV2-E5-F	GCACCTACCAGACATCCAGT
NAV2-E5-R	GCCTAGAGATTGGTTGGGGT
NCAPD2-E20-F	CTGTACACACACCCACGTTG
NCAPD2-E20-R	TCTTCTAGCTTCTCCAGGGC
SMARCC2-E26-F	CAGACAAGCCTTCCACATGG
SMARCC2-E26-R	CACCTGGATTCTCTAGCCA
GOLGA3-E12-F	CACATTCCCCTCCTATAGTCCT
GOLGA3-E12-R	TTTCAGAGCAGCAGTCTCCT
SPATA13-E2-F	AGTCCACCTCCAATCTTGCA
SPATA13-E2-R	GAAGTGTGCTTTCCACCG
MTMR12-E5-F	GCTTCCTTTGGCAGTCACTT
MTMR12-E5-R	CCGCCTACTGACCTGGTTTA
DNAH9-E15-F	TCCATCAAAGGCTGCTGAGA
DNAH9-E15-R	TTCACCCACCTGTCCCTCTA

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