

Table SI. Sequences of 8 sets of primers for amplifying exons 1-8 of NPHS2.

Exon	Forward primer (5'→3')	Reverse primer (5'→3')
Exon 1	AGCGACTCCACAGGGACTGC	CTGACGCCCCTTAGTTACCA
Exon 2	AGAATTGGACCAACAGATGC	AAGTGAGAATGGGCATGGT
Exon 3	CTAGGATCATTCTTATGCCAAGG	GAAGAAATTGGCAAGTCAGGAG
Exon 4	AAGGTGAAACCCAAACAGC	CGGTAGGTAGACCATGGAAA
Exon 5	ACTCCATTTTTCTCTTGCGG	TAATAAATGTCCAATGAACAAATGA
Exon 6	TTCCTTAGTACAGAACAATGGC	CTGTAAGATATTAGGTGATTTGTTTC
Exon 7	GAGGCTTGCAAGTCTGTGTGAAAGC	AGGAAGCAAAGGGGAAATGTTCTCC
Exon 8	GCTTGCCACATAGTAGATGCTCAG	GCAACCAAAGGAAGGGCAG

NPSH2, nephrosis 2.

Table SII. Sequences of 10 sets of primers for amplifying exons 1-10 of WT1.

Exon	Forward primer (5'→3')	Reverse primer (5'→3')
Exon 1	CCTACAGCAGCCAGAGCAG	TAAGAGCTGCGGTCAAAGG
Exon 2	GGCTGGTTCAGACCCACTG	AGGGAGACCCAGTCTTGTCC
Exon 3	GCTCAGGATCTCGTGTCTCC	GGTCCCAAGGACCCAGAC
Exon 4	TCCATTGCTTTTGAAGAAACAG	CTTTGAAATGGTTCAAACAGG
Exon 5	CAGTGGGACTGGGGACTTAG	TCCCATCCACCAAATGCTAC
Exon 6	CCATCATTCCTCCTGATTG	AGCCTGCAGTGAAGAAGAGG
Exon 7	AAGACCTACGTGAATGTTAC	GTGTGAGAGCCTGGAAAAGG
Exon 8	CCTTTAATGAGATCCCCTTTTCC	GGGGAAATGTGGGGTGTTC
Exon 9	CCTCACTGTGCCACATTGT	GCACTATTCCTTCTCTCAACTGAG
Exon 10	CTTCACTCGGGCCTTGATAG	GCTGCCTGGGACACTGAAC

WT1, wilms tumor 1.

Table SIII. Sequences of 31 sets of primers for amplifying exons 1-31 of PLCE1.

Exon	Forward primer (5'→3')	Reverse primer (5'→3')
Exon 1	TTTATTTGCCTCTTAATGCTCC	AAAGAAATGGTAAAAAGAACTCAA
Exon 2	AGTCATCTTGGCATTGTTGTCA	AGTGAAGCTTAATTTTCCATCAGG
Exon 3	CTTCACTAAGCAGAGGATTTGGT	GGAGGTATGCTTGAAAATCACTTA
Exon 4	GGATTACAGGCGTGAACCA	GGCTTGGGTAAAGGTGAGTC
Exon 5	CCTGGGCAACAGAGTGAGA	TCATTTCTTTGGTGAGCACAG
Exon 6	CTTTCCCATAAAATAGGCACA	AGGTGTCCATCTGAAACTAAGC
Exon 7	CATAGTGCGATGAAAAATAAAGC	TCTTGAGTATTATGCCAGTGAGG
Exon 8	CTGTGCTCTTCCACCTCTTG	TGGTAAGCCCTTGATCTTCTAT
Exon 9	AGGCAGTATTGAAGGTGGGTA	TAGGTTTCATTGTCTGGTTAGGA
Exon 10	CATAGGTTGATTTGCTCAGACAT	TTTTGTTACTGCTACTGACCTTTG
Exon 11-12	CATCCTTTTGCTCATATTGCT	TTGTGTGACTGGACCTCTGAC
Exon 13	TAAGTCCACACCATTATCTCCAA	GAGGTTGTAGTGAGCCGAGAT
Exon 14-15	TGATGTGGTGGTTTCTTTCC	AGGAGTCTGGGGTCAGGTT
Exon 16	CCTTCTGCTTTAGTCCTGAGTG	ATAACAGAGCGAGAACCCGT
Exon 17	ATTGAGATGCTTTCTGTGGCT	CTGGGTGAGAGAGCGAGACT
Exon 18	TGTCCTTCTAAACACCTCCCT	AGCCCAAATCAAACCTTATCAT
Exon 19	TCCCAAATGTATCAAATAGGTT	CCGTATTACTGGTCTTTGGC
Exon 20	AGTACAAGTATCTGGATGTCCTCA	GGAGCAAGTGGAAATCTCATCT
Exon 21	CAAGGGGAAATACAGTAATAACAC	AGAGTGTTTACAATGCCCAA
Exon 22	AATGGGGATGGAAAATGTTG	TCAAGGGAAGTGCTTAGACAGTA
Exon 23	TGCTATGACTGTTTACTGGGATG	TTCACTTCTGTTTTCCATCATCA
Exon 24	GGACGAATGGGTGATTATCTC	GGAAGTAAATCTGTATGACCCAA
Exon 25	TGTTCTTGGGATTCCTTTGC	TCCTTTTGCTTCTTAATTCAACTT
Exon 26	GTCTTTCTACCTGTCATTTGCC	AAGCCACCTTCAGTGTAGC
Exon 27	CACTAAATGACTGAGGAAGAGGTA	CAAAAGGCATATCATCCACAT
Exon 28	TGAATAAGTTGTGCCGTTGC	TCAGGGAGGTTGTGAGTGGT
Exon 29	AAGTTTCTACATCACCAAGATACAA	TTGAGGTCCCTGTTGTTGAG
Exon 30	GCAAATGTTGGAGATTCTGTG	TCCTAACTCCATTCTTGACTC
Exon 31	CCTCAGCCCTACTCTCTCCA	CATCCTCCTGTTGGAAAAGAT

PLC1, phospholipase C ϵ 1.

Table SIV. Sequences of 21 sets of primers for amplifying exons 1-21 of ACTN4.

Exon	Forward primer (5'→3')	Reverse primer (5'→3')
Exon 1	GGTGCCTTTTCTGGTTTGG	ACAGACGCTCCAGTTACCTTTC
Exon 2-3	GTGTGTGTTCGGCGAGTGCT	CCCTGCCACCAACAAAACCTT
Exon 4	AACGACCTTCTGCCCTCTG	CCCCAAGGAAACAGGAAGA
Exon 5	TACTGCTGCTGTTGTTAGGA	GCATCTCACAGACCACGACA
Exon 6	GAATGGGAATTAGTCACTGCTGT	GGGGAATAAGGGAGGTGAGA
Exon 7	CCCGCTCACACATCACACG	CCCCAGTTCACCCAGAATCAT
Exon 8	GCTGAGCCCACCCAAGTC	AATGAGGTGAGCACGGGAG
Exon 9	TCTGTGAGGAGTTCCGTGG	TAGGTCATCTCGCTGCCAC
Exon 10	GTTCTAGCAGGAATCGTGGAG	CAACAACCTTAGGAAAGATTACGC
Exon 11	ATGACCCCAGCCAAGTTCT	CACCTGAGAAACAGACCCAAC
Exon 12	TCTGCTTGGACAGCCCCTC	GGGCACTGGGGACCCTATT
Exon 13	TATCCTGGAATGTTGACTGCC	GGACACTATCCACACCACCAG
Exon 14-16	TGCTCACATACTGACCTGCCTTC	GCCCCTGGGTGGTGAGAAT
Exon 17	GGGGACAGTTGTGAGCAGTG	GCCCGAACCATTTCAGT
Exon 18	CGTGTCCTGTGAGGTGTA	GATGGGAATGGACGAACAGAT
Exon 19	TCCATGTTGCCTCTAACTCTGTG	ATGGCGAGGGGAGAAAGAG
Exon 20-21	CCTACTCTCTCGGCTGTTTC	GCATAGATACAGAGTGGAGGAAT

ACTN4, actinin α 4.

Table SV. Sequences of primers for amplifying exons 4 and 5 of UMOD.

Exon	Forward primer (5'→3')	Reverse primer (5'→3')
Exon 4	CTGGAGAATGAGGGAAGGAT	AGACAATCAATAAGGACGCAC
Exon 5	GGCGGCTACTACGTCTACAA	TCTGTTTTCACTCAGGTTGGA

UMOD, uromodulin.

Table SVI. Sequences of primers for amplifying exons of ACE.

Exon	Forward primer (5'→3')	Reverse primer (5'→3')
Exon 7	CTCAGCGATGCATGAAGAAG	GAACCAGCTTCCCTGCG

ACE, angiotensin I converting enzyme.

Table SVII. Sequences of primers for *NPHP1*.

Exon	Forward primer (5'→3')	Reverse primer (5'→3')
Exon 5	GAAAGAGGAAAATGAATCTCACAAATG	CCAAGTTGCTGAGCAGTAAAATCTC
Exon 11	GGTCGAGACCAAGTCGTATTTCA	CCTGTATGCTCATTCCTGGAAGA
Exon 20	GGTCGTGTTTTCCCAGAGA	AAGAGGGAGCACGCAGTCAT
NPHP1, nephrocystin 1.		

Table SVIII. Sequences of primers for *GAPDH*.

Exon	Forward primer (5'→3')	Reverse primer (5'→3')
GAPDH	CAAGGTCATCCATGACAACCTTG	GTCCACCACCCTGTTGCTGTAG