Supplemental Data

Ciliary Abnormalities Due to Defects in the Retrograde Transport Protein DYNC2H1 in Short-Rib Polydactyly Syndrome

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Table S1. Oligonucleotide sequences for PCR of DYNC2H1

DYNC2H1 Fragment	5' Forward Primer	3' Reverse Primer
Exon 1	CAAAGCTCCTCTCTTCCCTTCACTTC	TCCTGAAAAGGATCTGGTTGGTAAAG
Exon 2	AAGGAAAGAAGAGATAAATTGGTTTT	TGCATTTTATACCTTTCTCCAATTTC
Exon 3	TGTTTTGGGAAGCCAATTTGATTAG	CCTATGCTCAGAGAAATTCCAAAAG
Exon 4	TGACTCAAATATTTTGCTGCTCTGC	AGGCTGTAAAAATTGAATCCCAAAG
Exon 5	GGCAAATATTAGAGTTGTGGCAGTTG	TGCTACATGATTTGCTTTAAGAGTTAC
Exon 6	CATGCATGTGGTATTTCATAGATCC	TCTCACAAAACTAATTTCCAGCAGATG
Exon 7/8	TTTAGACCTATTTATGCAAATGGTTGG	CTTTGCTTATAGTTGGACGCTTTACC
Exon 9	TCAGAAATTCAAGACAGTCCACAGC	TCAGCATGAAAATGTCAGAAAAATG
Exon 10	TGACATAGTGCTTGGTACGTGGAAG	GACAGACATGCCAAGGAAAACAGAG
Exon 11	GAATCACAGATCAGAGAAGGGGACTC	GGAGGAGTAGCAAGTTTGGAGAAAGG
Exon 12	ATTGTGTTTATTAGTCAAAACAGTGAG	CAGCTGGCAGTGCTATTCTATGAGC
Exon 13	AATGCCCTATTGGAGATGAAAAACC	AAGTCCCTGGAAGCAAAACAAAATC
Exon 14	GCAGGTCAGAGTTGGGGATAGTTG	GCAAATGGGAATTGTGATTTCTCTG
Exon 15	GGTGGTATCTGTCAGGTTTCTCCAC	TGTAAATTGATTGTTCATATGTGGTC
Exon 16/17	TTAAATGAAAAATCCATTCTACTGC	TCTACGAATCCAGCTCTCTGCTTTG
Exon 18	TTTCTGTTTATTCTTTAGGCTGTGC	CAAGAAGCTGATGTGACTTCAATGC
Exon 19	TGTGCTTAAAGATCACCATATTACTGC	AATGATTGAATATGGACTTTTCCTG
Exon 20	TGTACTGATTACTTCTACCACCCCTTG	TTACCTAATTTAAACATTTTCCATGC
Exon 21	AACAAACTGTTTAAATGCAAAAATC	AAACCTGGGCTATAAAGGAATAAAAG
Exon 22	GAAAGAAAAGTATGAACCCAAAATG	AAAAAGTGATGAAGTTTATGAGGAAAG
Exon 23/24	CACACATACAAGGATTGCAGTTAAG	CATAAGATGAAAGCTCCAAACATTG
Exon 25	TGTGTGTCCATGGCAACATTTAATC	TTTACTTTTTGATGAAAGCTGATTCC
Exon 26	TTTTGCCTTATGGTGAAAAGC	GTAATTTGCCTGTATTAAGCACTTC
Exon 27/28	GGTGCCTGTATTCCCAGCTACTTG	TCTTTGGGTACAGGAACTGTATTTGG
Exon 29	TTTCCCTCAATAGGACATTTAAACAC	AACCAACTTTACCCTCTAAATTGAC
Exon 30	CCCCGTCTTGAAATAACAGTATAGAG	TTATCTGAGCCTCCTGGCTTCTAGG
Exon 31	GGTTCCAGTATGACATTAAGATGGAG	TTCCTCGAGTAATCACCAACACAG
Exon 32	CCATTTAAATTCATGGAGAAATCAC	TTCTTATGTGACACCTTTCTAATTCTG
Exon 33	TTTAACCTGTTTGTTGCATTTTTATC	ACAACCTCTGTCCATTTTACATTTC

Exon 34	TTGAAATCAACCTGGGTTTTGAAAG	CAGATTAGAAACACGGATGTCAGGAG
Exon 35	TGTTGGCAGCATATTTTATGTTTATAG	ATGTGCATGCTAAAGCCTTTCATAG
Exon 36	ATGATTATTTTGTGTGGTTGCTTCC	AATTGGGGCAGGGTATACAGTAATC
Exon 37	AGTAAGCTTGCCAATTCATGTGATG	GAAGACTTCCCTGAGCAAGTGAG
Exon 38	GGCAATACCTTCCACTGAAGAAATC	TGGTCATGTAGAAGTCTTGACAAAG
Exon 39	GATTGCGCATGGGTTCTTCAG	TTTTACTTAATATGAAACCAGGACAG
Exon 40	TGTGCGTAGAATAATGTTTATTGGAG	AGCAGTGACAAAATCCACCTCTCAC
Exon 41	TGAGTTTAAAAATGGTTCTTGAAAAGG	CAAATCATTGTGTTTTGGCAGTTAAG
Exon 42	TTGGAACTAAGATGATTTACTTTTGG	ACAAAAGCCATTAAATCAATTAGGG
Exon 43	GAGTATAAAATGTATTTTGTTGGTTGC	CCAAATGAAGAATGAATATTTTCTAAG
Exon 44	TGAAACTTAGGCAAAAATATCCTTTATC	ATTGCCTATATTTTGAGAAGGGTAGG
Exon 45	TAGAGCAGCACAGTTTCAAAACCAC	AACAGGAAAGTAAAGCCTGGGTGTC
Exon 46	CAGTTCCATCTACAGGTAGAAATTGG	TGACAATCATACACAGTTTGGAAGAAG
Exon 47	TTCCTTTCTTCCATTTATCTGATGC	GACCTATAAAATCATGCTCTGGGTAAG
Exon 48	TTCTGGAGATGATCTTATTTGGATT	AAGATAAGAACCAGCTTTGCCTATT
Exon 49	GCCAATATATTTATCCAGGATTACC	AAACCAAATAAAGCAAAAGAGAGTG
Exon 50	CCAAATTATGTGGCTAAAGTTTGAT	AAAAATGGAGTCTCTCAATTCTCCT
Exon 51	GGTGTTTGAATTTTATCAAATGAGG	GGTGTTACTTTCTAAAAGCTCCAGA
Exon 52	ATTGTGCTCGTTTTAAGAAACAACT	GAAGAAAACAGACATTTCCAAACAT
Exon 53	TGTCTCTTAGTCTGGAATGAATCCT	TTTGCATCAGAAGAAATCTAATTTTG
Exon 54	GGAGCTGTGAATAGTTGTCTAGGAA	AAACCTACAGGGCAATATAGGTAGG
Exon 55	CACACTTAACATGTTTGCTTGATTC	AATATAGGAAAATACCATGCCCTTC
Exon 56	TGGAAACTCTCTTGTCATAGATTCA	GGCTTTCCTTCTTGTTCTCTTTTAC
Exon 57	ACCTTGTATGATTGAAAGCATTTTG	ATGAAGTGCATTTTGAAAAACAATA
Exon 58	TGGATTAAAAGTATTGCATACACCA	TAATGCTTCCCAAGTGTAATTCCTA
Exon 59	GTGCCCAAATAAAGTGTGTAAGAAT	CAACTGCCATTTTACAAATAGAGAAA
Exon 60	CTTCTAATTTTAGCGTTGCTTTTCA	CACAGCATCATCTGACATAAGAGTC
Exon 61	GTGTGTGTGGGTTTGTCTCTTCTAT	GCAAATTAATGGATCTTTCTCTCCT
Exon 62	CAGCAGAGTCTGAGATCTTTTTGAT	GGTATCCTTGGAACCCATATAAAAT
Exon 63	GAAGAATGGGTTTCAAGTAAGGACT	CTAACTGAATCATTGATGGGTTTTC
Exon 64	TCTGGAGACGTAAAATAAGATGACA	TGTACTACTCGAAGCACAATGATGT
Exon 65	CATGGTTGTATATTTGTGTTCTCCA	CAGTAGGACCCAGTGTTGAATCTAT
Exon 66	TCTGAACATAAGCAGAGTAGGGTTC	ACACATATTGCTGAAGGAAGTAAGC
Exon 67	TATCTCAGGTAACCCAACTTTTGC	ATAAAGCTCGAAAAGATTCCAAGG
Exon 68	TCATCAGATGTAATTGTTGAAGGTG	ACATAGCTCCCCTTCTTGTTAGAAT
Exon 69	AAGTTGCCATAAACATCAAATGAAT	AACTAGAATCAAACCCAATGTTCTG
Exon 70	CATCATCTTCATTTGTTTTATGTGC	TTACATGTGGTCTTTTGGAACATAA
Exon 71	TAGTCCCTTGAATTTGATGGTTAAA	AATGCTATAAGGCATTCCAGTTAAA
Exon 72	TTAACGACTATGCTTTTCCAAAGAC	CACAGGGAAGTAGAACTAGGAATCA
Exon 73	GAAGAAGTGGTAAGATGGAAATGAG	GAACACCTCTGAAGCAAATTATACC
Exon 74	AGAATTTTACCATGGTGACTTGTAA	AACACTGATTACGAATAAGGAGCAC
Exon 75	ACAAGGCAACACAAAGTAGAAGAGT	ATTTAATTGTCAATAAGGTGGCAAA
Exon 76	CCTATTGTGACAGTTTAAAGCACAG	GCCGAGAATTATTTTTCTAAAACAG
Exon 77	TGAGATTACAACTCACCTGGGTATT	CCATGGAAAATAACATATCCACAGT
Exon 78	CCAGTTAGGAAGGTTTAGGGATTAC	AATGCATGACATTTTAATACTGATGT
Exon 79	CCAGAGCATTAAGAAATACATCAGAA	TGTAAAAAGAAGTTGTGTGTTCTGT
Exon 80	TAATTTAACTCAAACCCGGTAAGC	ATTTTTAGTAGAGATGGGGTTTCC
Exon 81	TACTTTTCATGCTATGGCCAGTTA	CAAGCAAATTTTGTGATAGGAAGTT

Exon 82	AAATATAACTCAAGGCAGGAATTTAG	GCCTCACTAAAGTTGAAAGAATCAA
Exon 83	TTAATGACAGAATACTTCCCACAGA	TAAATAAAGCTTGTGGGGTCTACAG
Exon 84	GGCTGAAGTTCTTTTTATTTGTTGA	CATGACTTCACAGTTAGGAACCTCT
Exon 85	GCTGACTTAATACATTTGACCGTTT	TTGGATTCTTCAGTTACATCAGTCA
Exon 86	TCATGCTGTCTCTACTGTTCAATTT	CAAAAATAACAAATGGCAGAATAATG
Exon 87	TTCTAGCTACCATTTCAGAGCATTT	AATCAAGGGCAGTGTAATAGGAAGT
Exon 88	GCTTTGAAAATTTAGTGTGAACTCTG	GTTGTTTCATGCCAAATCTTATTTT
Exon 89	TGGAAAGCATAGCTCTTAAGGTAGA	GGTGAGATTAGAAAGCAAACAAAAA
Exon 90	ATAGGCCATGTGTTTCATTTTGTT	AAATGTAGACTGACCACATGTTTGA