

Table S1

Genes associated with primary ciliary dyskinesia

Gene name					Comments
<i>H. sapiens</i>	<i>M. musculus</i>	<i>D. rerio</i>	Aliases	<i>C.reinhardtii</i> (mutant strain) protein	
MCIDAS	<i>Mcidas</i>	<i>mcidas</i>		----	transcription co-regulator
CCNO	<i>Ccno</i>	<i>cyclin O</i>		----	cytoplasmic protein; controls amplification of centrioles
CCDC39	<i>Ccdc39</i>	<i>ccdc39</i>	CFAP59	<i>FAP59</i> (<i>pf8</i>) FAP59	likely defines 96-nm axonemal unit and docking site for N-DRC, IDAs and RSs
CCDC40	<i>Ccdc40</i>	<i>ccdc40</i>	CFAP172	<i>FAP172</i> (<i>pf7</i>) FAP172	likely defines 96-nm axonemal unit and docking site for N-DRC, IDAs and RSs
DNAH5	<i>Dnah5</i>	<i>dnah5</i>		ODA2 (<i>pf28</i>) HC1 γ	ODAs γ dynein heavy chain
DNAH9	<i>Dnah9</i>	<i>dnah9</i>		ODA4 (<i>oda4</i>) HC1 β	ODAs β - dynein heavy chain
DNAH11	<i>Dnah11</i>	LOC567790		ODA4 (<i>oda4</i>) HC1 β	ODAs β - dynein heavy chain
DNAI1	<i>Dnai1</i>	<i>dnai1.1</i> <i>dnai1.2</i>		ODA9, DIC1 (<i>oda9</i>) IC78, IC80	ODAs intermediate chain
DNAI2	<i>Dnai2</i>	<i>dnai2a</i> <i>dnai2b</i>		ODA6, DIC2 (<i>oda6</i>) IC69, IC70	ODAs intermediate chain
DNAL1	<i>Dnal1</i>	<i>dnal1</i>		DLC1, DLU1 LC1	ODAs light chain
NME8	<i>Nme8</i>	<i>nme8</i>	TXNDC3	DLC3, DLX1 LC3 DLC5, DLX2 LC5	ODAs light chain
CCDC114	<i>Ccdc114</i>	<i>ccdc114</i>		DCC2, ODA1 (<i>oda1</i>) ODA-DC2	ODA docking complex
CCDC151	<i>Ccdc151</i>	<i>ccdc151</i>		ODA10 (<i>oda10</i>) ODA10	ODA docking complex
TTC25	<i>Ttc25</i>	<i>ttc25</i>		----	ODA docking complex
ARMC4	<i>Armc4</i>	<i>armc4</i>		----	ODA docking complex
MNS1	<i>Mns1</i>	<i>mns1</i>		FAP127 FAP127	Possibly ODA docking complex
CCDC103	<i>Ccdc103</i>	<i>ccdc103</i>	----	PR46b, CCDC103 CCDC103	Possibly ODA docking complex
DNAAF1	<i>Dnaaf1</i>	<i>dnaaf1</i>	LRRC50	ODA7, DAU1 (<i>oda7</i>) ODA7	Cytoplasmic

<i>DNAAF2</i>	<i>Dnaaf2</i>	<i>dnaaf2</i>	<i>KTU</i> <i>Kintoun</i> <i>C14orf104</i>	<i>DAP1, MOT45</i> <i>(pf13, mot45)</i> PF13	Cytoplasmic
<i>DNAAF3</i>	<i>Dnaaf3</i>	<i>dnaaf3</i>	<i>C19orf51</i>	<i>DAB1, PF22</i> <i>(pf22)</i> PF22	Cytoplasmic
<i>DNAAF4</i>	<i>Dnaaf4</i>	<i>dnaaf4</i>	<i>DYX1C1</i>	<i>PF23</i> <i>(pf23)</i> DYX1C1	Cytoplasmic
<i>DNAAF5</i>	<i>Dnaaf5</i>	<i>dnaaf5</i>	<i>HEATR2</i>	<i>HEATR2</i> <i>CHLRE_</i> <i>09g395500v5</i>	Cytoplasmic
<i>PIH1D3</i>	<i>Pih1d3</i>	<i>pih1d3</i>	<i>Twister</i>	<i>TW11</i> <i>(twi1)</i> PIH1D3	Cytoplasmic
<i>ZMYND10</i>	<i>Zmynd10</i>	<i>zmynd10</i>		<i>ZMYND10</i> <i>CHLRE_</i> <i>08g358751v5</i>	Cytoplasmic
<i>SPAG1</i>	<i>Spag1</i>	<i>spag1a</i> <i>spag1b</i>		----	Cytoplasmic
<i>CFAP298</i>	<i>Cfap298</i>	<i>cfap298</i>	<i>C21orf59</i> <i>kurly</i>	<i>FBB18, DAB2</i> CFAP298	Cytoplasmic
<i>LRRC6</i>	<i>Lrrc6</i>	<i>lrrc6</i>	<i>Seahorse</i>	<i>MOT47</i> <i>(mot47)</i> MOT47	Cytoplasmic
<i>CFAP300</i>	<i>Cfap300</i>	<i>cfap300</i>	<i>C11orf70</i>	<i>FBB5</i> FAP300	Cytoplasmic
<i>DRC1</i>	<i>Drc1</i>	<i>drc1</i>	<i>CCDC164</i>	<i>DRC1, PF3</i> <i>(pf3)</i> DRC1	nexin link
<i>CCDC65</i>	<i>Ccdc65</i>	<i>ccdc65</i>	<i>DRC2</i> <i>CFAP250</i>	<i>DRC2</i> FAP250	nexin link
<i>GAS8</i>	<i>Gas8</i>	<i>gas8</i>	<i>DRC4</i> <i>GAS11</i>	<i>DRC4, PF2</i> <i>(pf2)</i> DRC4	nexin link
<i>RSPH1</i>	<i>Rsph1</i>	<i>rsph1</i>		<i>RSP1</i> RSP1	radial spoke head
<i>RSPH4A</i>	<i>Rsph4a</i>	<i>rsph4a</i>		<i>RSP4</i> <i>(pf1)</i> RSP4A	radial spoke head
<i>RSPH9</i>	<i>Rsph9</i>	<i>rsph9</i>		<i>RSP9</i> <i>(pf17)</i> RSP9	radial spoke head
<i>RSPH3</i>	<i>Rsph3</i>	<i>rsph3</i>		<i>RSP3</i> <i>(pf14)</i> RSP3	radial spoke stem
<i>DNAJB13</i>	<i>Dnajb13</i>	<i>dnajb13</i>		<i>RSP16, HSP40</i> <i>(pf33)</i> RSP16	radial spoke neck
<i>HYDIN</i>	<i>Hydin</i>	<i>hydin</i>		<i>HYDIN</i> HYDIN	central apparatus

STK36	<i>Stk36</i>	<i>stk36</i>		CHLREDRAFT_104702	central apparatus Limited similarity to <i>Chlamydomonas</i> protein
SPEF2	<i>Spef2</i>	<i>spef2</i>		CPC1 (<i>cpc1</i>) CPC1	central apparatus
CFAP221	<i>Cfap221</i>	----		FAP221 FAP221, PCDP1	central apparatus
RPGR	<i>Rpgr</i>	<i>rpgra</i> , <i>rpgra</i>		----	possibly transition zone region
OFD1	<i>Ofd1</i>	<i>ofd1</i>		OFD1 OFD1	basal foot of the basal body
GAS2L2	<i>Gas2l2</i>	<i>gas2l2</i>		----	near basal bodies
TEKT1	<i>Tekt1</i>	<i>tekt1</i>		----	centrosome, basal bodies, axoneme
LRRC56	<i>Lrrc56</i>	<i>lrrc56</i>		ODA8, DLU2 (<i>oda8</i> , <i>mot37</i>) ODA8	Unknown Limited similarity to <i>Chlamydomonas</i> protein