

Table 6. Genes whose products are known to localize to flagella

<u>Gene</u> <u>identification</u>	<u>30 min, %</u>	<u>45 min, %</u>	<u>120 min, %</u>
167398 DLC5	-20.88	-15.26	-11.58
168923 PF6	-5.69	34.6	-30.05
171599 DHC11	-3.27	4.97	-10.14
161759 DHC3	-2.89	-8.67	-1.45
162594 DHC4	-1.1	11.69	5.29
165162 ODA5	-0.4	-11.64	2.73
169516 DHC1b	1.63	4.81	-7.89
171127 DHC2	5	1.88	-6.26
161758 DHC3	5.47	11.53	-3.66
163907 DHC6	6.62	12.65	2.7
162407 DHC5	9.2	7.97	2.43
169338 FMG1b	11.36	16.8	5.48
158922 IDA2	15.01	4.81	-5.95
168520 ODA11	17.18	9.41	1.96
154251 MST1	27.86	34.42	9.6
153556 DHC1	28.78	12.12	12.87
161325 DHC7	33.96	16.82	5.39
157469 ODA2	34.33	14.93	7.46
168243 IFT140	40.74	38.52	3.7
160289 ODA4	43.92	22.11	-0.94
158273 DLC4	51.77	13.04	1.35
157911 IFT172	59.1	44.48	-4.07
158194 FLA10	61.09	45.16	0.6
157405 FLA8	66.96	21.54	2.66
160144 PP1a	70.3	23.89	-9.21
168012 FLA3	72.02	28.37	7.19
155416 RSP2	76.14	40.91	5.6
157052 MBO2	76.19	40.82	-5.26
169254 IFT88	77.32	30.59	-5.96
166736 IDA7	92.65	42.85	3.51
159022 IFT81	106.16	35.44	-7.71
168881 Tektin	108.69	73.91	8.98
166131 PF20	118.52	43.45	31.97
157798 ODA3	127.93	33.57	1
156307 D1bLIC	133.23	23.69	10.76
162279 RSP3	143.86	56.65	6.06
164295 ODA12	159.93	88.85	15.33
171226 Tctex1	164.74	45.98	-8.08
169383 IDA4	165.46	54.52	26.03
154393 IFT52	168.36	81.09	5.86
164100 ODA6	170.31	81	4.73
156214 IFT20	183.92	37.02	-1.71

155586	PF2	207.12	129.09	-3.74
164979	IFT72	221.01	104.7	30.23
156948	IFT57	232.55	56.82	19
167565	KLP1	248.19	90.7	-0.66
170981	FAP2	248.61	81.67	-9.67
169795	DLC7a	251.48	142.96	15.57
159281	FLA14	265.12	128.04	36.99
170694	RIB43	270.91	119	0.63
171680	ODA9	289.52	139.73	23.18
164307	DLC3	316.27	133.37	-5.76
168602	DLC1	337.65	246.55	26.75
171096	PF16	367.77	123.03	-4.21
168675	RIB72	377.18	152.45	26.45
157967	RSP4	382.67	240.87	30.47
164722	ODA13	430.58	330.93	40.97
169971	DLC7b	464.3	333.2	71.19
160952	ODA15	676.09	213.18	43.84

Data set used to validate microarray detection of induction of transcripts and the strategy of flagellar gene identification based on induction during flagellar regeneration. Entries in bold type indicate at least 75% induction at either 30 or 45 min after initiation of flagellar regeneration. Plain text indicates genes classified as not induced according to this same criterion. Within each list, entries are sorted in increasing order of induction at $t = 30$ min. Gene list consists of *Chlamydomonas* proteins shown to localize to flagella either by immunofluorescence or by Western blot analysis.