

Table 1 Velocity of IFT motors and IFT particles along middle and distal segments of ciliary axonemes in wild-type, *osm-3* and *kap-1* mutant animals

Anterograde motility of:	Transgenic strain	Average velocity ($\mu\text{m s}^{-1}$)			
		Middle segment	<i>n</i>	Distal segment	<i>n</i>
IFT particles	<i>OSM-6::GFP</i>	0.68 ± 0.10	339	1.27 ± 0.19	303
IFT motors	<i>OSM-3::GFP</i>	0.72 ± 0.14	265	1.28 ± 0.15	277
	<i>KAP-1::GFP</i>	0.65 ± 0.10	245	None	
IFT particles (<i>OSM-6::GFP</i>) in motor mutants	<i>osm-3 (p802)</i>	0.52 ± 0.07	260	None	
	<i>kap-1 (ok676)</i>	1.20 ± 0.17	254	1.27 ± 0.16	253
	<i>kap-1 (ok676); osm-3 (p802)</i>	None		None	

n = number of GFP particles. Movies of IFT are available in Supplementary Information.