

Table 1. Transport properties of UNC-104::GFP particles

Type of process (number of particles)	Average velocity ($\mu\text{m}/\text{sec}$)	Persistence of movement at uniform velocity (sec)	Number of events
Axon (385)	Ant 1.01 ± 0.53 Ret 1.06 ± 0.58	4.89 ± 3.84 4.68 ± 4.56	464 237
Dendrite (37)	Ant 1.19 ± 0.38 Ret 0.98 ± 0.48	5.77 ± 3.77 3.67 ± 3.02	50 24
Axonal commissure (26)	1.03 ± 0.37	5.80 ± 3.59	33
Unidentified commissure (221)	0.98 ± 0.51	4.54 ± 3.49	362
Unidentified process (248)	1.03 ± 0.53	6.81 ± 5.80	464
All particles (917)	1.02 ± 0.53	5.35 ± 4.60	1634

Particle velocities were calculated during periods of uniform movement. The number of events is larger than the number of particles because particles sometimes changed velocities or direction or paused before resuming movement. Ant, Anterograde; Ret, retrograde.