

**Figure 1. Full length PrP (PrP-FL) inhibits vesicular fast axonal transport in isolated squid axoplasm.**

Data from **Fig.1 (B-E)** corresponding to plots that depict vesicle motility in extruded axoplasms, and graphs (**F** and **G**) showing quantitation of average rates of anterograde (**F**) and retrograde (**G**) fast axonal transport obtained 30-50 minutes after PrP perfusion from three independent experiments:

<b>Treatment</b>	<b>Velocity</b>	
	<b>Anterograde</b>	<b>Retrograde</b>
PrP-Scram	1,640	1,322
PrP-Scram	1,665	1,260
PrP-Scram	1,666	1,204
PrP 106-126	1,260	1,064
PrP 106-126	1,075	0,801
PrP 106-126	1,054	0,977
PrP 106-126	1,100	0,918
Prion-FL	1,280	1,021
Prion-FL	1,331	1,080
Prion-FL	1,134	1,060
Prion-FL	1,356	1,207
Prp-ΔCD	1,715	1,180
Prp-ΔCD	1,669	1,249
Prp-ΔCD	1,510	1,200