

Table S1. Values of the slopes obtained from the linear regressions and the R^2 values for control and FSK-treated cases

Control		
Trajectory	Slope ($\mu\text{m/s}$)	R^2
1	0.097	0.967
2	0.052	0.988
3	0.043	0.987
4	0.067	0.988
5	0.071	0.915
6	0.139	0.985
7	0.116	0.977
8	0.059	0.995
9	0.097	0.993
Mean	0.082	
s.d.	0.032	

FSK		
Trajectory	Slope ($\mu\text{m/s}$)	R^2
1	0.249	0.914
2	0.09	0.969
3	0.156	0.966
4	0.13	0.994
5	0.159	0.982
6	0.128	0.961
7	0.165	0.88
8	0.127	0.98
9	0.171	0.994
Mean	0.153	
s.d.	0.044	

Group	Mean	s.d.	n	df	t^*	P
Control	0.082	0.032	9	8	3.887336	0.0025 > P > 0.001
FSK	0.153	0.044	9			