

S10 Table. Crawling speed of larvae of w^{1118} and homozygous for G3'_{TMD3} mutations

Genotype	Crawling speed (\pm SE) (mm/min)	Number
w^{1118}	2.92 ± 0.21	20
G3' _{TMD3} M	0.52 ± 0.046 ***	20
G3' _{TMD3} Q	0.85 ± 0.096 ***	20
G3' _{TMD3} S	1.13 ± 0.12 ***	20

*** indicates significant difference relative to w^{1118} as determined by Student's *t*-test with SPSS 17.0 (SPSS Inc., Chicago, IL) when $P < 0.001$.