

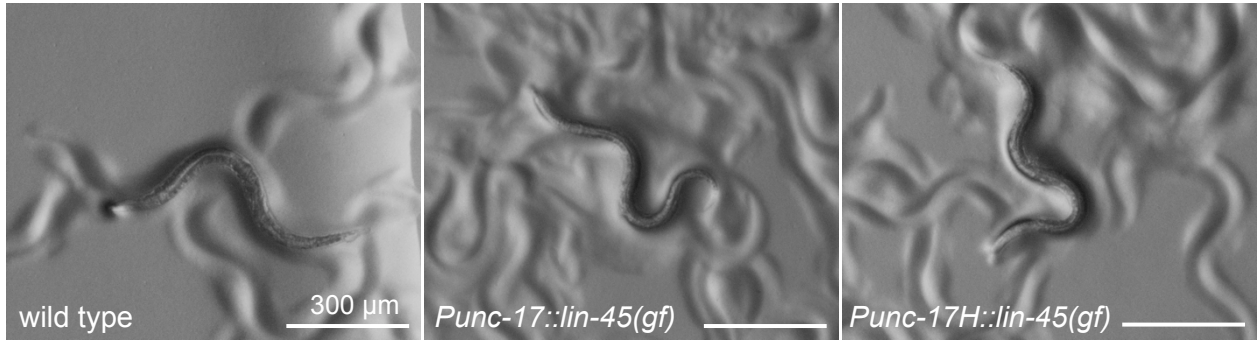
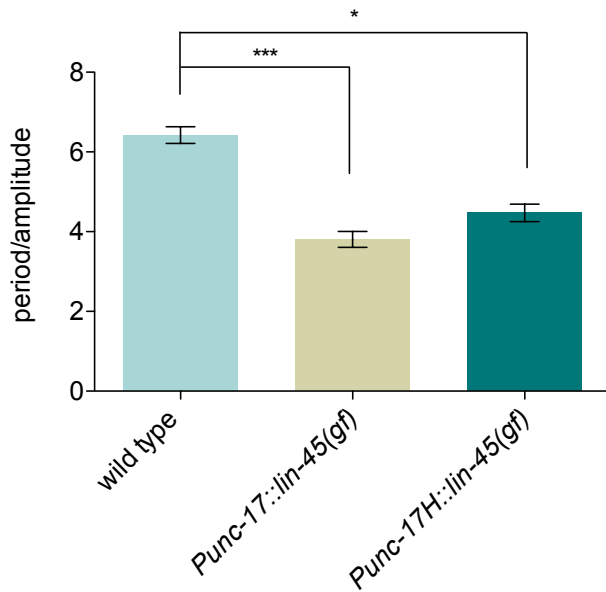
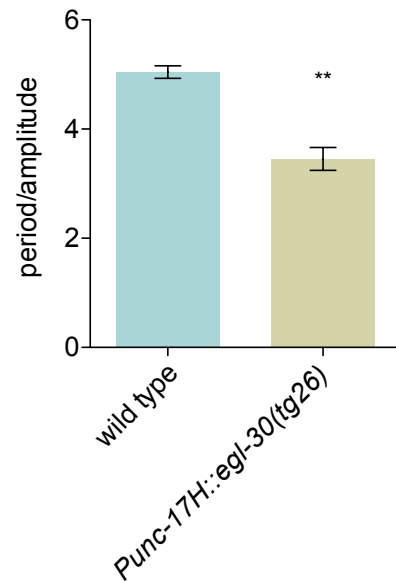
A**B****C**

Figure S3. Expression of activated LIN-45/Raf or EGL-30/Gq in head acetylcholine neurons is sufficient to cause locomotion with an exaggerated waveform.

(A, B) The *yakIs34[Punc-17::lin-45(gf)]* integrated array expressing activated *lin-45*(T626E/T629D) in all acetylcholine neurons and the *yakEx154[Punc-17H::lin-45(gf)]* extrachromosomal array expressed in head acetylcholine neurons both cause a coiled posture (A) and exaggerated waveform (B). $N \geq 12$, *** $P < 0.001$, * $P < 0.05$, Kruskal-Wallis test with Dunn's *post hoc* test.

(C) Expression of the activated Gq mutant *egl-30(tg26)* R243Q in head acetylcholine neurons (*Punc-17H::egl-30(tg26)*) causes an exaggerated waveform. $N \geq 7$, ** $P < 0.01$, unpaired T test, two-tailed. Overexpression of activated Gq is toxic and these animals were slow growing and had reduced viability and fertility.