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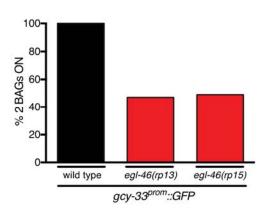


Figure S1 Identification of two egl-46 alleles that affect gcy-33^{prom}::gfp expression

- (A) Representative picture of an animal expressing a BAG reporter (*gcy-33*^{prom}::*gfp*) in wild type animals. Ventral view, anterior to the left. Scale bar, 20µm.
- (B) Two mutant alleles of *egl-46* were isolated from an EMS forward mutagenesis screen using the BAG-specific transcriptional *gcy-33*^{prom}::*gfp* reporter. n>50 *P<0.05

Note that the translational *gcy-33* reporter called *gcy-33* reporter: *GCY-33::GFP* that we used in the rest of the study is minimally affected by loss of *egl-46* (Figure 4). This suggests that sequences included in the translational reporter transgene harbor binding sites for *ets-5* and *egl-13* that ensure expression in the BAG neurons.