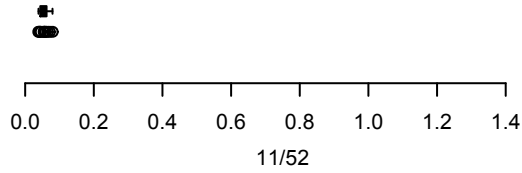


**A**

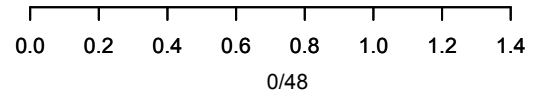
SDQR

SDQL

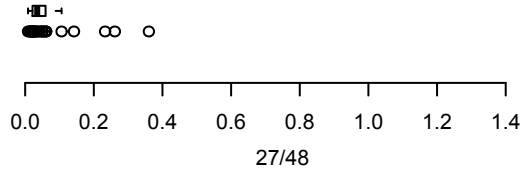
elegans in elegans 1



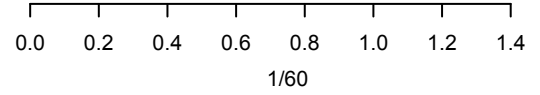
No measurable expression



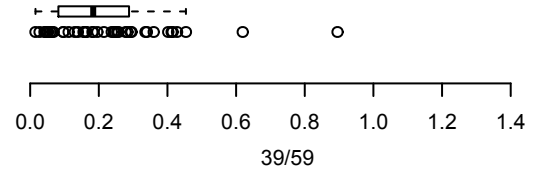
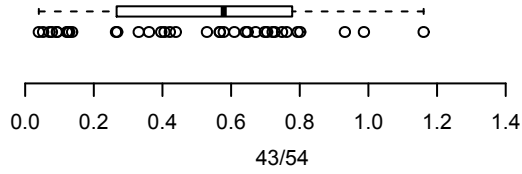
elegans in elegans 2



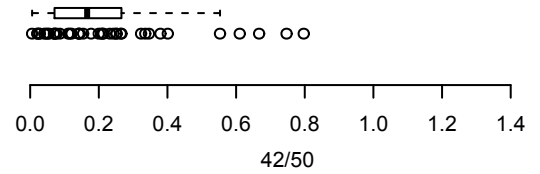
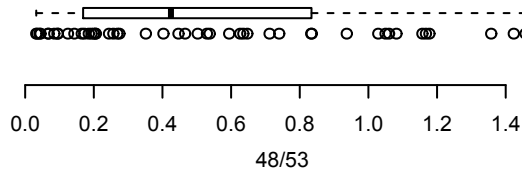
No measurable expression

**B**

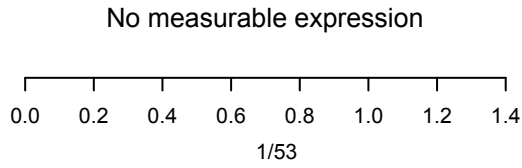
briggsae in elegans 1



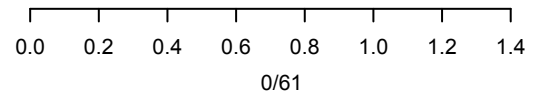
briggsae in elegans 2

**C**

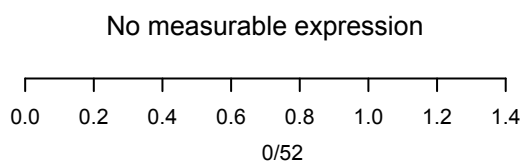
briggsae in elegans 1



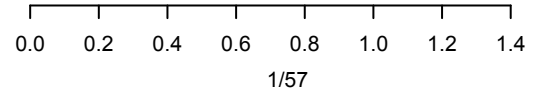
No measurable expression



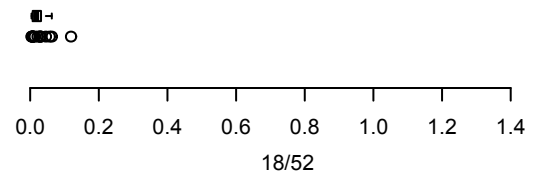
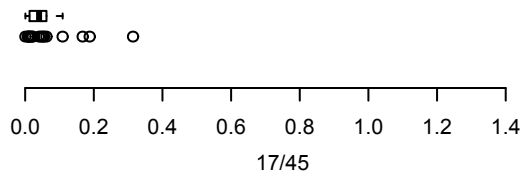
briggsae in elegans 2



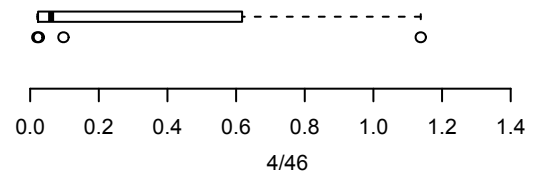
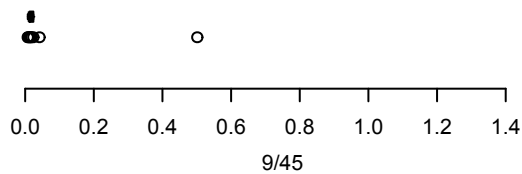
No measurable expression

**D**

briggsae in briggsae 1



briggsae in briggsae 2



**Figure S1. Consistency of SDQR/L expression between independent strains carrying extrachromosomal arrays.**

The distribution of expression intensity in SDQR and SDQL relative to D-type neurons is plotted. The fraction of individuals showing expression over individuals scored is indicated underneath. Individuals were only scored if their cell was clearly visible, unobstructed by the intestine. Two independent strains carrying extrachromosomal arrays were measured for (A) *C. elegans* promoter in *C. elegans*, (B) *C. briggsae* promoter in *C. elegans*, (C) *C. elegans* promoter in *C. briggsae*, (D) *C. briggsae* promoter in *C. briggsae*.