

Fig S6 GENESDEV/2017/309625_Zhang

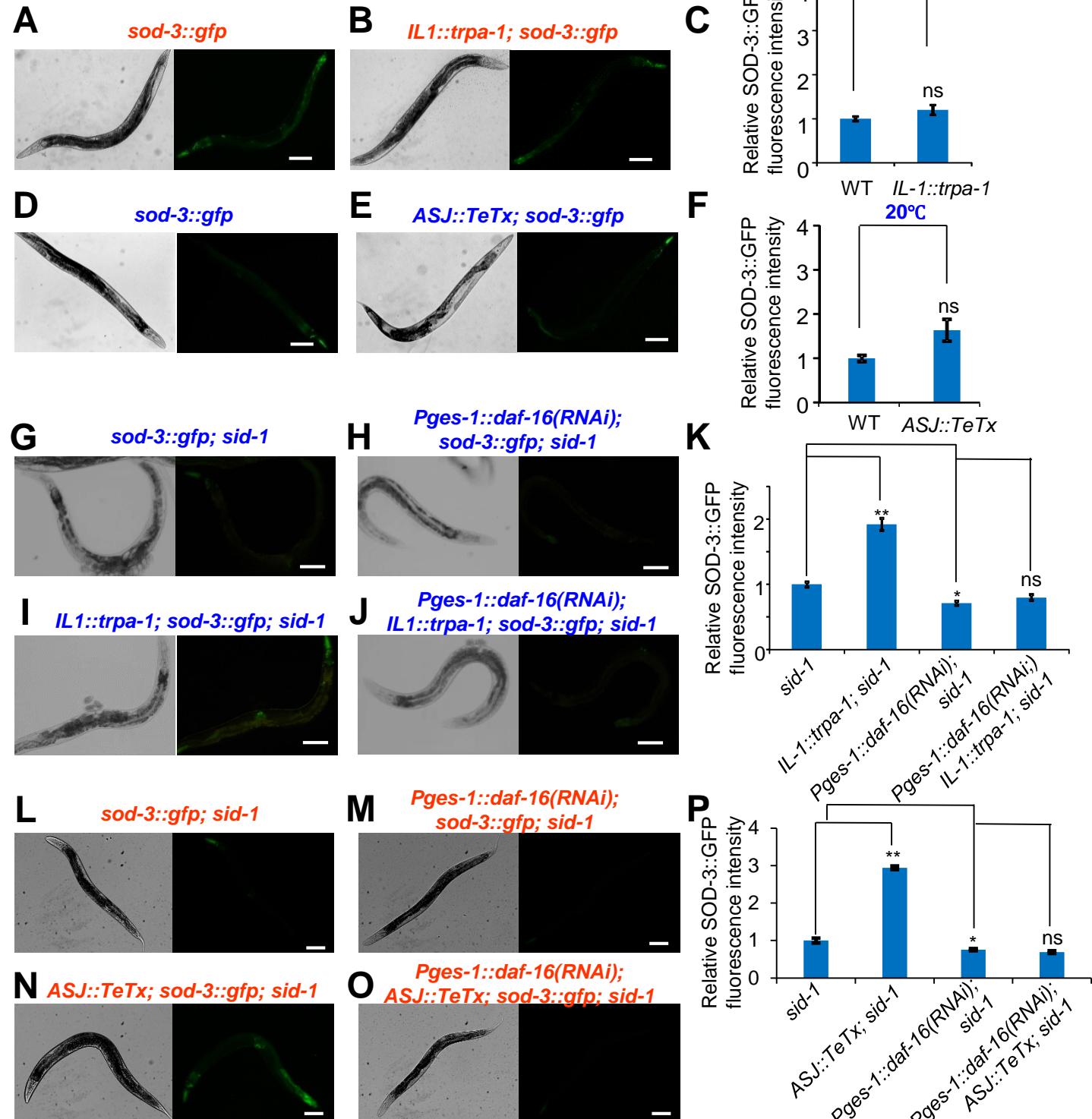


Figure S6. Additional data on SOD-3::GFP reporter expression. (A-C) Stimulation of IL1 neurons does not promote the expression level of the DAF-16 target gene *sod-3* at 25 °C. (A-B) Sample images. Left: DIC. Right: fluorescence. (C) Bar graph. Error bars: SEM. n≥32. p=0.119 (t test). (D-F) Inhibition of ASJ neuron output does not promote the expression of the DAF-16 target gene *sod-3* at 20 °C. Error bars: SEM. n≥30. p=0.094 (t test). (G-K) RNAi of *daf-16* specifically in the intestine blocks the ability of IL1 neurons to up-regulate SOD-3::GFP expression at 20 °C. *sid-1(qt9)* blocks the spread of dsRNA to other tissues. n ≥20. *p<0.05; **p<0.005 (ANOVA with Bonferroni test). (L-P) RNAi of *daf-16* specifically in the intestine blocks the ability of ASJ neurons to up-regulate SOD-3::GFP expression at 25 °C. *sid-1(qt9)* blocks the spread of dsRNA to other tissues. n ≥25. *p<0.05; **p<0.005 (ANOVA with Bonferroni test). Scale bar: 100 μm.