



**Extended Data Figure S1:** EYFP aggregates to some extent when overexpressed in *C. elegans* neurons. (A) Confocal image of *C. elegans* head regions expressing EYFP from plasmid overexpression (OE). On the right, a magnified image shows EYFP aggregate indicated by an arrow. Scale bars: 20  $\mu$ m (left panel), 5  $\mu$ m (right panel). (B) Quantification of fluorescent foci formed by EYFP (OE) and mNeonGreen (OE) strains (N=17).