



**Figure S1: Related to Figure 1 and Figure 3. *Gcna-1* mutant germ cells exhibit normal proliferation, RNA granule morphology, and slightly elevated apoptosis relative to wildtype.** (A) Mitotic zones of gonads immunostained with antibody recognizing phosphohistone H3 (PH3). Scale bar = 10  $\mu$ m, n = 50, error bars = SDM. (B) Meiotic zone of gonads immunostained P-granule marker PGL-1. Scale bar = 5  $\mu$ m, n = 50. (C) Quantification of germ cell death as assayed by acridine orange (AO) staining. Scale bar = 20  $\mu$ m, n = 60, error bars = SDM. (D) Spontaneous mutant phenotypes in long term cultures of *gcna-1* mutant animals. *gcna-1*(*ne4334*) is described in Carmell et al., 2016.