



**Figure 8 supplement 1. DA9 in *dhc-1(js319)* animals develops normally and loss of JNK-1 rescues RAB-3 mis-localization in DA9 dendrite 12 hr after axotomy**

(A-B) RAB-3::GFP and mCherry labeling of DA9 in intact *ric-7(n2657)* and *ric-7(n2657); dhc-1(js319)* animals (2d old adults). Scale bars = 10  $\mu$ m.

(C-F) RAB-3 localization to the dendrite in *ric-7(n2657)* and *ric-7(n2657); jnk-1(gk7)* animals with and without axotomy 12hr after axotomy. Magnified GFP channels are shown at the top right corner. Scale bars = 10  $\mu$ m.

(G) Quantification of dendritic RAB-3 puncta number in animals in (C-F). Mean  $\pm$  SEM. \* $p < 0.05$ ; \*\*\*\* $p < 0.0001$ ; ns, not significant. Unpaired t test.