



**Figure S5. The function of STRD-1 overlaps with SAD-1 to regulate the trafficking of lysosomes in axons and dendrites.**

**(A)** Drawing illustrates the location and anatomy of the cholinergic motor neurons imaged in this figure. Dashed boxes outline the regions imaged.

**(B and C)** Representative, identically-scaled images and quantification of CTNS-1-RFP lysosomal puncta and total fluorescence per micron in the dorsal axons **(B)** and ventral dendrites **(C)** of the indicated genotypes. CTNS-1-RFP is expressed from the integrated transgene *ceIs56*. Data are means and SEMs from 13-14 animals per region. Asterisks over bars indicate values significantly different from *unc-16*. Asterisks over brackets denote P values for the selected comparisons: \*,  $P < .05$ ; \*\*,  $P < .01$ ; \*\*\*,  $P < .0001$ ; n.s., not significant.