



**Figure S6. KIF1A (UNC-104) is not the motor that carries lysosomes to the axonal synaptic region in *unc-16* mutants.**

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

**(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 cell somas **(C)** of strains with the indicated genotypes. CTNS-1-RFP is expressed from the integrated transgene *ceIs134*. Data are means and SEMs from 13-14 animals per region. The *unc-16; unc-104* double mutant is not significantly different from the *unc-16* single mutant for axonal puncta/μm or cell soma fluorescence/ sq. μm, but it has slightly more axonal total fluorescence/μm ( $P=0.03$ ).