



Figure S1. Cell autonomous rescue of the *unc-16* suppressor phenotypes of *cdk-5*, *sad-1*, and *syd-2* mutants.

(A) Drawing illustrates 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*. *ceEx450*, *ceEx472*, and *ceEx474* are transgenic extrachromosomal arrays that express the *cdk-5* cDNA, *sad-1a* cDNA, or *syd-2* gene in the same neurons as CTNS-1-RFP. Data are means and SEMs from 13-14 animals per region. * $P < .01$; ** $P < .001$; *** $P < .0001$.