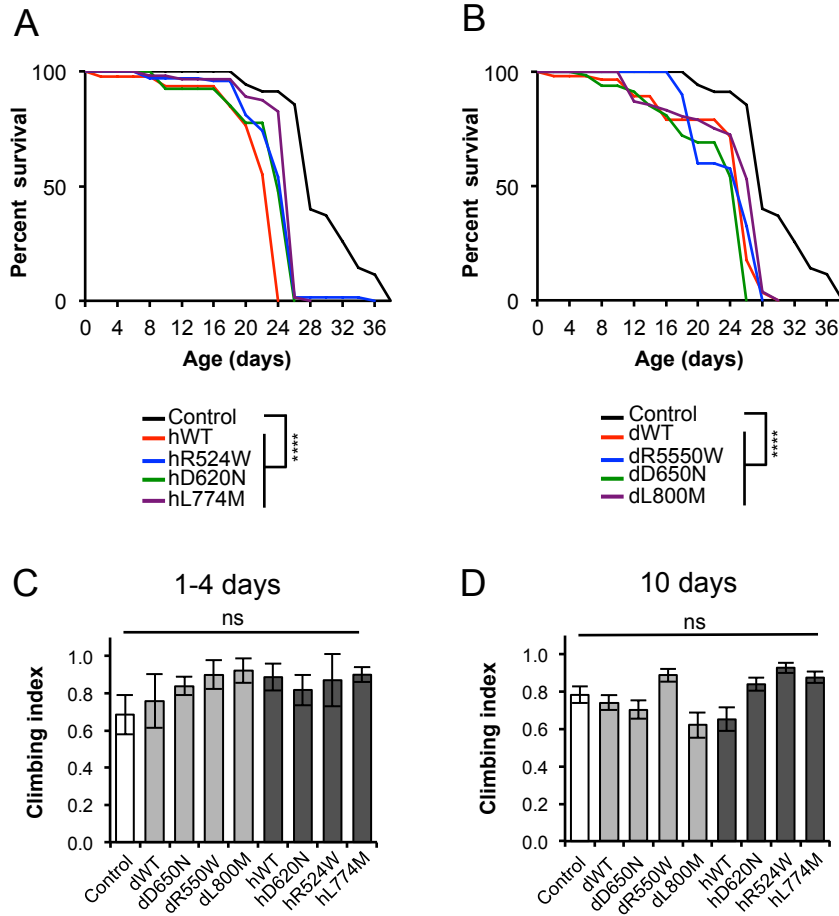


Supplementary Figure 1



No dominant toxicity of human or *Drosophila* Vps35 variants raised at 29°C. (A, B) Ubiquitous transgene expression via *da-GAL4* modestly shortens lifespan but is affected similarly by all Vps35 variants (**** $P < 0.0001$, $n = 40-100$ animals). (C, D) Transgene expression does not affect climbing ability with age (all not significant (ns) compared to control). $n = 15-30$ (C), 35-55 (D). Histograms show mean \pm s.e.m. Statistical analysis was Log-rank test for lifespan and one-way ANOVA with Bonferroni correction for climbing. Control genotypes are heterozygous *GAL4* driver line alone.