



Figure S11

Figure S11: *dilp6* expression rescues sedation resistance but not tolerance development.

A. *dilp6* expression rescues ethanol-induced sedation resistance. Data are presented as difference in time to 50% sedation (ST₅₀) between ethanol-reared and control flies of the same genotype. *dilp2-GAL4/UAS-dilp6* flies do not display increased sedation resistance upon ethanol-rearing, while both genetic background controls show the expected increase in ST₅₀. (one way ANOVA with Tukey HSD post-hoc analysis, N= 12, *p<0.05). **B.** *dilp6* expression fails to rescue ethanol-induced tolerance defects. Data are presented as the percent control tolerance (tolerance developed by ethanol-reared flies divided by tolerance developed by control flies of the same genotype multiplied by 100). *dilp2-GAL4/UAS-dilp6* flies are not significantly different from *dilp2-GAL4/+* controls (one way ANOVA, N = 6, *p>0.05), with both showing the predicted 40-50% reduction in tolerance when reared on ethanol. *UAS-dilp6/+* controls were unexpectedly resistant to ethanol-induced tolerance defects.