

Supplemental Figure 1. Ethanol Absorption and Metabolism in the *homer*^{R102} Mutant Flies

(A) For ethanol absorption, *w*(CS10) and *homer*^{R102} males flies were exposed to ethanol vapor (56%) for 0, 20, or 40 min. The ethanol concentration in fly extracts was indistinguishable from *w*(CS10) control flies at each measured time point as determined by one-factor ANOVA. n = 4.

(B) For ethanol metabolism, *w*(CS10) and *homer*^{R102} males flies were exposed to ethanol vapor (56%) for 40 min and then allowed to recover for 20, 40 or 80 min. The ethanol concentration in fly extracts was then measured at each time point. The ethanol concentration in extracts of *homer*^{R102} mutant flies was indistinguishable from *w*(CS10) control flies at the 20 and 40 min time points as determined by one-factor ANOVA. n = 4.

(C) To measure ethanol absorption during the 2nd treatment, *w*(CS10) and *homer*^{R102} flies were exposed to ethanol vapor (56%) for 40 min, allowed to recover for 80 min, and then re-exposed to ethanol vapor for 20 or 40 min. The ethanol concentration in fly extracts was measured at each time point during the recovery period and was indistinguishable from *w*(CS10) control flies at the 40 min time point (when rapid tolerance is measured) as determined by one-factor ANOVA. n = 4.