



Fig. S3. L-Tyr supplementation enhances octanol modulation.

Reversal response times of animals of the indicated genotypes grown on the indicated bacteria in control conditions or supplemented with 0.5% L-Tyr to 100% octanol using SOS assays. Each dot is the response time of a single worm. Y-axis is \log_{10} -scaled for these log-normal distributed data, and normalized to the indicated control group for each experimental day. Numbers in parentheses indicate the number of worms tested in assays over at least 3 independent days. Boxplot indicates median and quartiles, whiskers indicate the data range, excluding outliers. Gray thin and thick vertical bars at right indicate Bayesian 95% and 66% credible intervals for the difference of means, respectively. P -values indicating comparisons of means relative to the OP50 control for each conditions are from a LMM with Tukey-type multivariate- t adjustment. P -value in red indicates Wald F -statistic for the effect of L-Tyr supplementation on the magnitude of the JUb39 effect.