

Fig. S2. Structure of succinyl-TA.

High-resolution MS/MS spectrum of succinyl-TA in negative ionization mode. Structures of major MS/MS fragmentations are denoted by dashed lines.

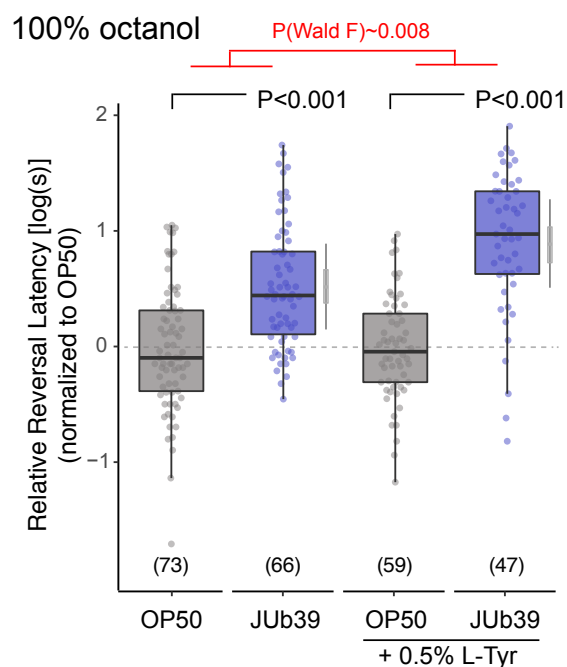


Fig. S3. L-Tyr supplementation enhances octanol modulation.

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 log₁₀-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.