



Fig. S13: Prior vs. posterior for A) Half-life, B) v_y . For this simulation parameter values were set to: $hl=0.1$, $v_y=0.1$, $\alpha=2$, $\beta=(0.35,0.1)$; Priors: $hl \sim \text{lognormal}(\log(0.25), 0.75)$; $v_y \sim \text{exponential}(5)$; $\alpha \sim \text{normal}(0,1)$; $\beta \sim \text{normal}(0,1)$. Dotted lines in A) and B) are true values of the parameter. Brownian motion matrix assumes no correlation between predictors.