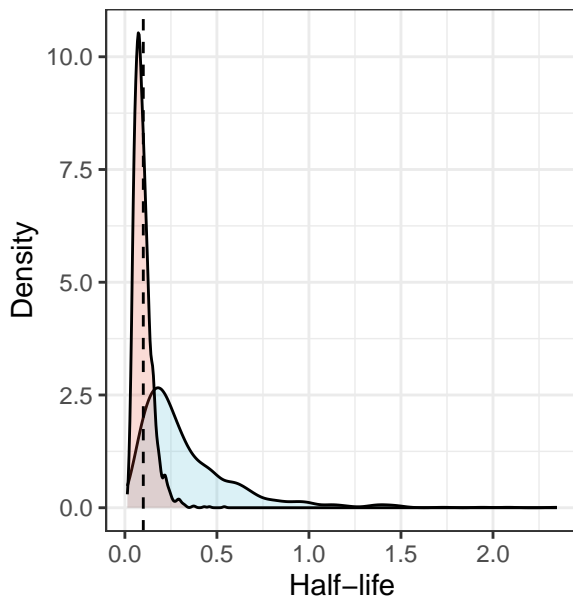


Posterior Prior

A)



B)

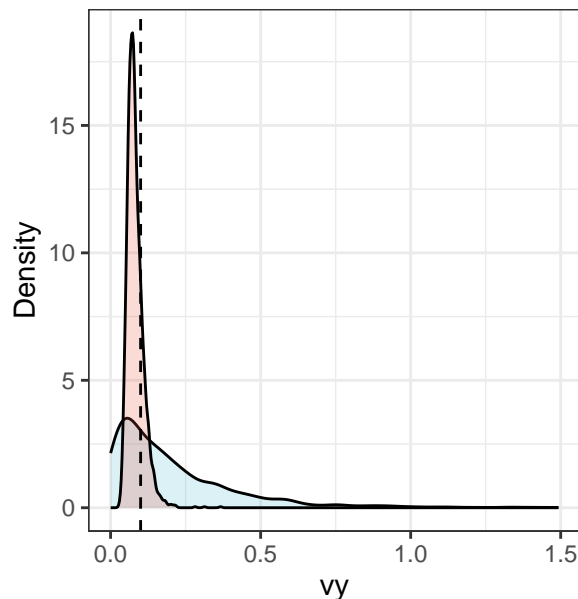


Fig. S15: Prior vs. posterior for A) Half-life, B) vy. For this simulation parameter values were set to: hl=0.1, vy=0.1, alpha=2, beta=(0.35,0.1); Priors: hl~lognormal(log(0.25),0.75); vy~exponential(5); alpha~normal(0,1); beta~normal(0,1). Dotted lines in A) and B) are true values of the parameter. Brownian motion matrix assumes no correlation between predictors.