**Appendix** The R-code used in this study

#### Libraries ####

library(brms)

#### Data ####

myd<-read.csv("Mendelson data.dat")

#### Model ####

fit1 <- brm(formula =

Censored.data | cens(Censored)~Trial+(Trial|Lizard),

data=myd, family=lognormal(),

warmup = 1000, iter = 2000, chains = 4, cores=4,

control = list(adapt\_delta = 0.98))

summary(fit1)

coef(fit1)

prior\_summary(fit1) # output shown here to reveal default priors

# Format for t-distributions in brms is student\_t(df, mean, sd)

prior class coef group

1 b

2 b Trial

3 student\_t(3, 5, 10) Intercept

4 lkj\_corr\_cholesky(1) cor

5 cor Lizard

6 student\_t(3, 0, 10) sd

7 sd Lizard

8 sd Intercept Lizard

9 sd Trial Lizard

10 student\_t(3, 0, 10) sigma