# mortality vs food and density

mort1b<-read.table('Mortality.csv',header=TRUE,sep=';')

dead<-mort1b$dead

initial<-mort1b$initial

alive<-initial-dead

food<-mort1b$food

food\_level<-mort1b$food\_level

ratio<-dead/initial

attach(mort1b)

mortrel<-mort/100

library('betareg')

fitbeta4<-betareg(mortrel~food\*initial)

summary(fitbeta4)

fitbeta5<-betareg(mortrel~food\_level\*initial)

summary(fitbeta5)

fitbeta7<-betareg(ratio~food\_level\*initial)

summary(fitbeta7)

fitbeta8<-betareg(mortrel~food+initial)

summary(fitbeta8)

fitbeta9<-betareg(mortrel~food\_level+initial)

summary(fitbeta9)

fitbeta11<-betareg(ratio~food\_level+initial)

summary(fitbeta11)