B. cellulosilyticus-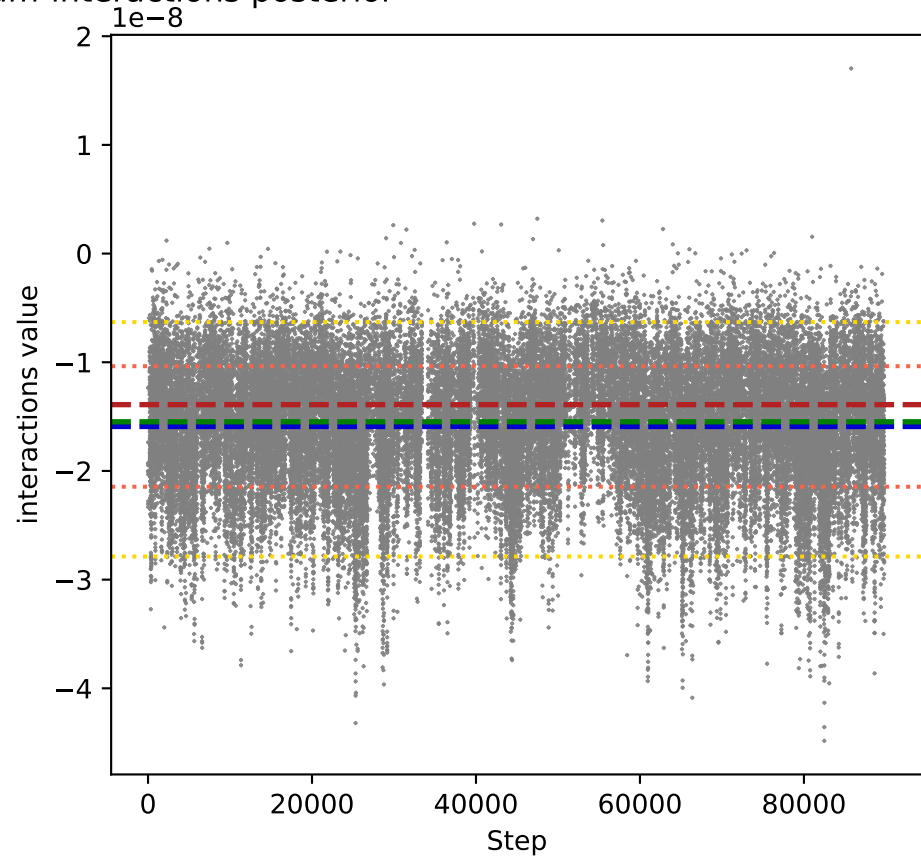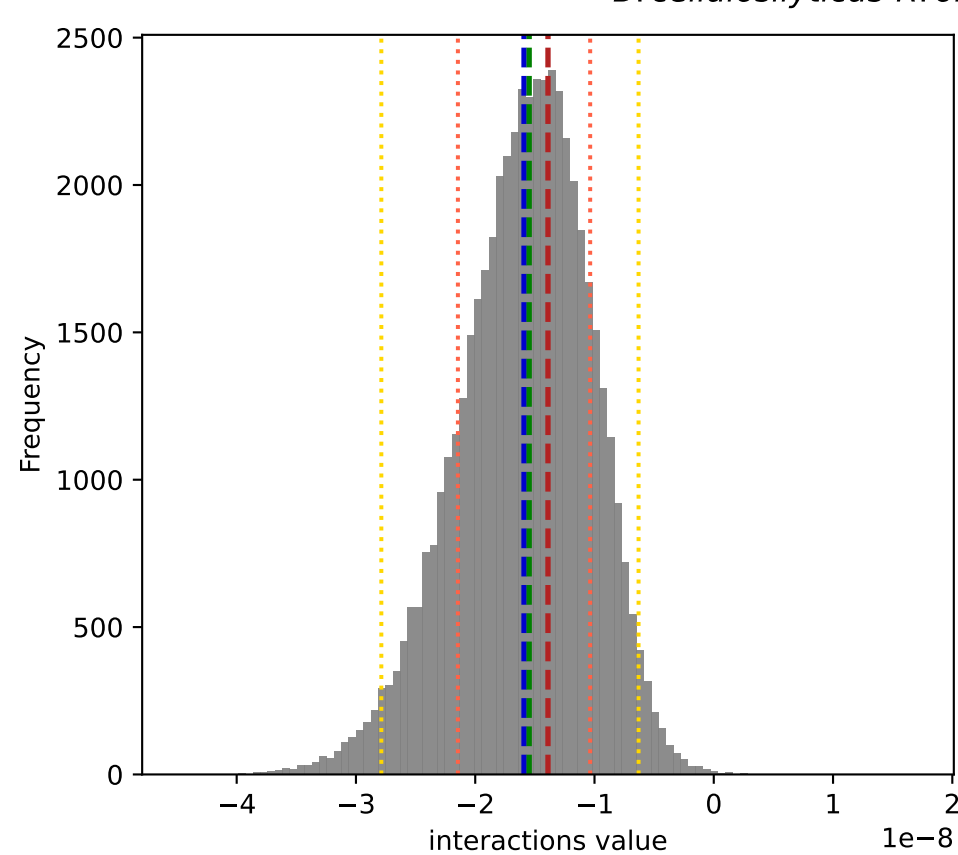R. obeum interactions posterior