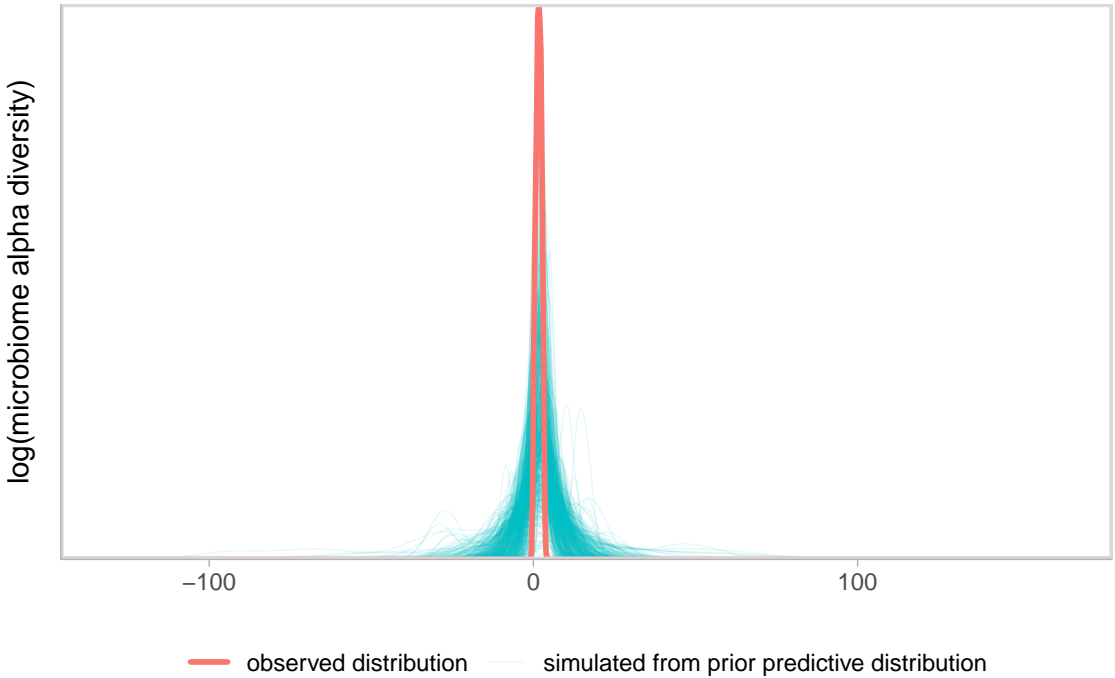**Fig. S4**

A Prior predictive check

B Posterior predictive check