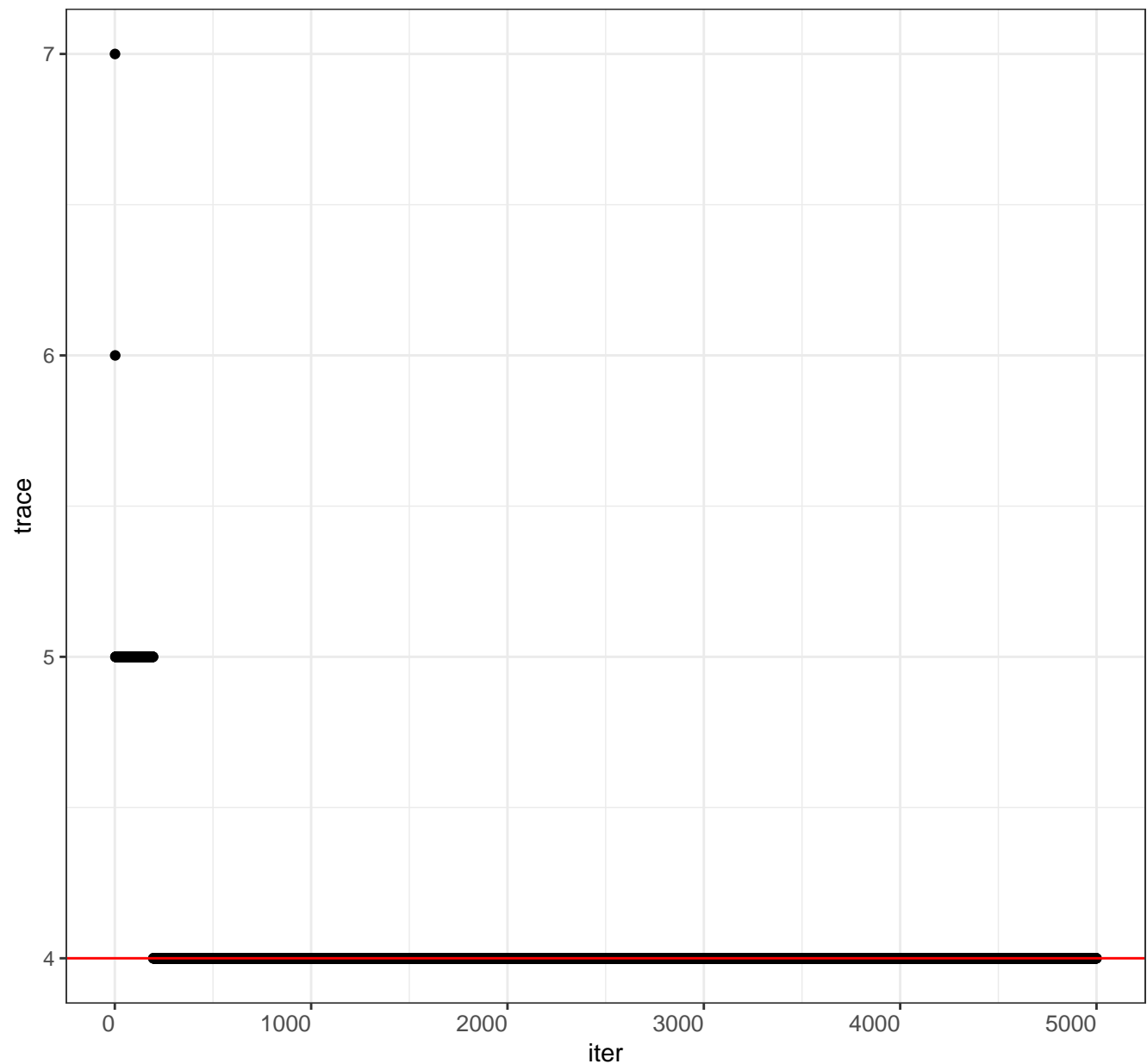


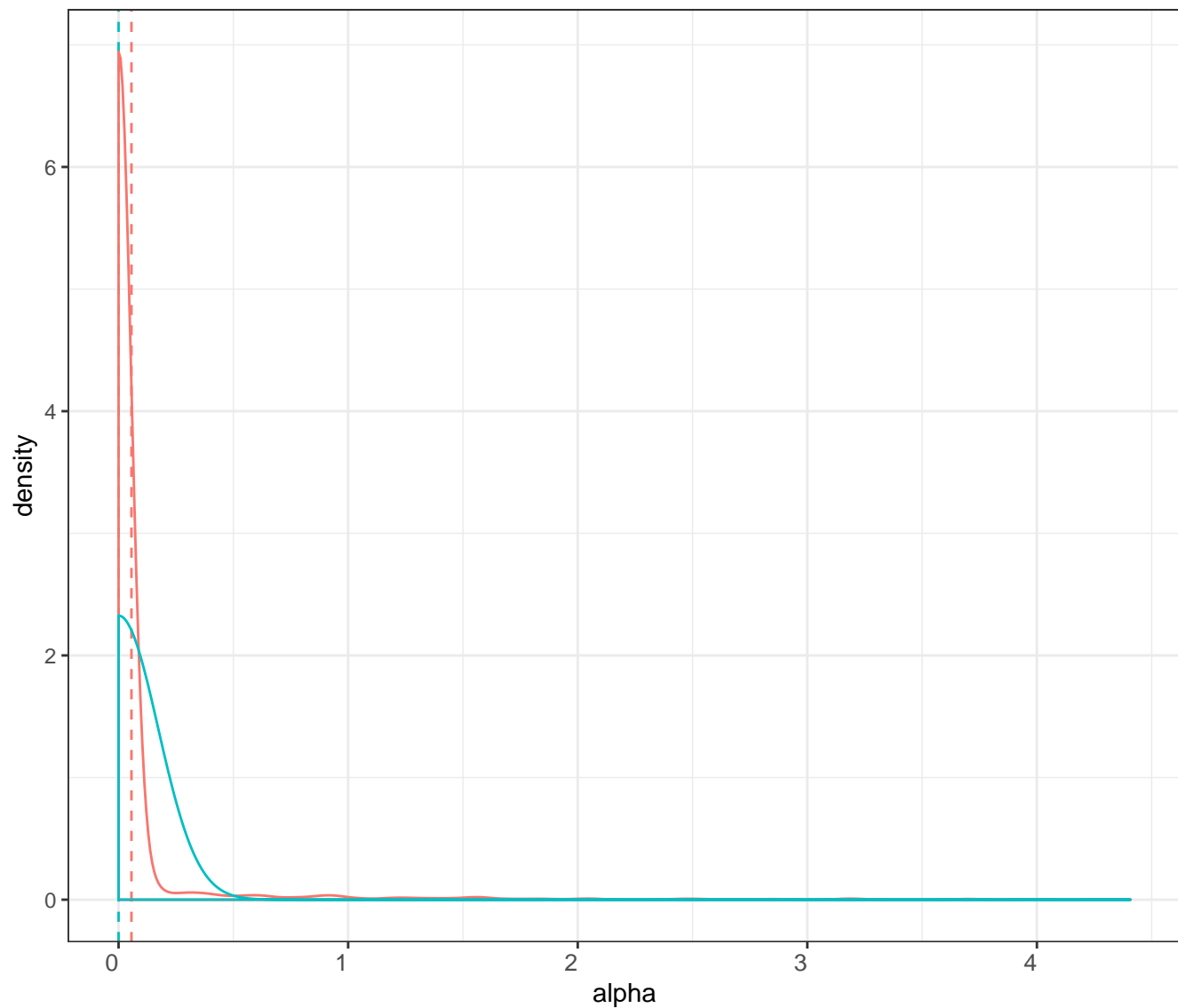


Trace plot for the number of groups K for S=80 r=5 true K=4 type=4



Distribution alpha: S=80 ,r=5 true gr K=4 ,type=4 ,N=25

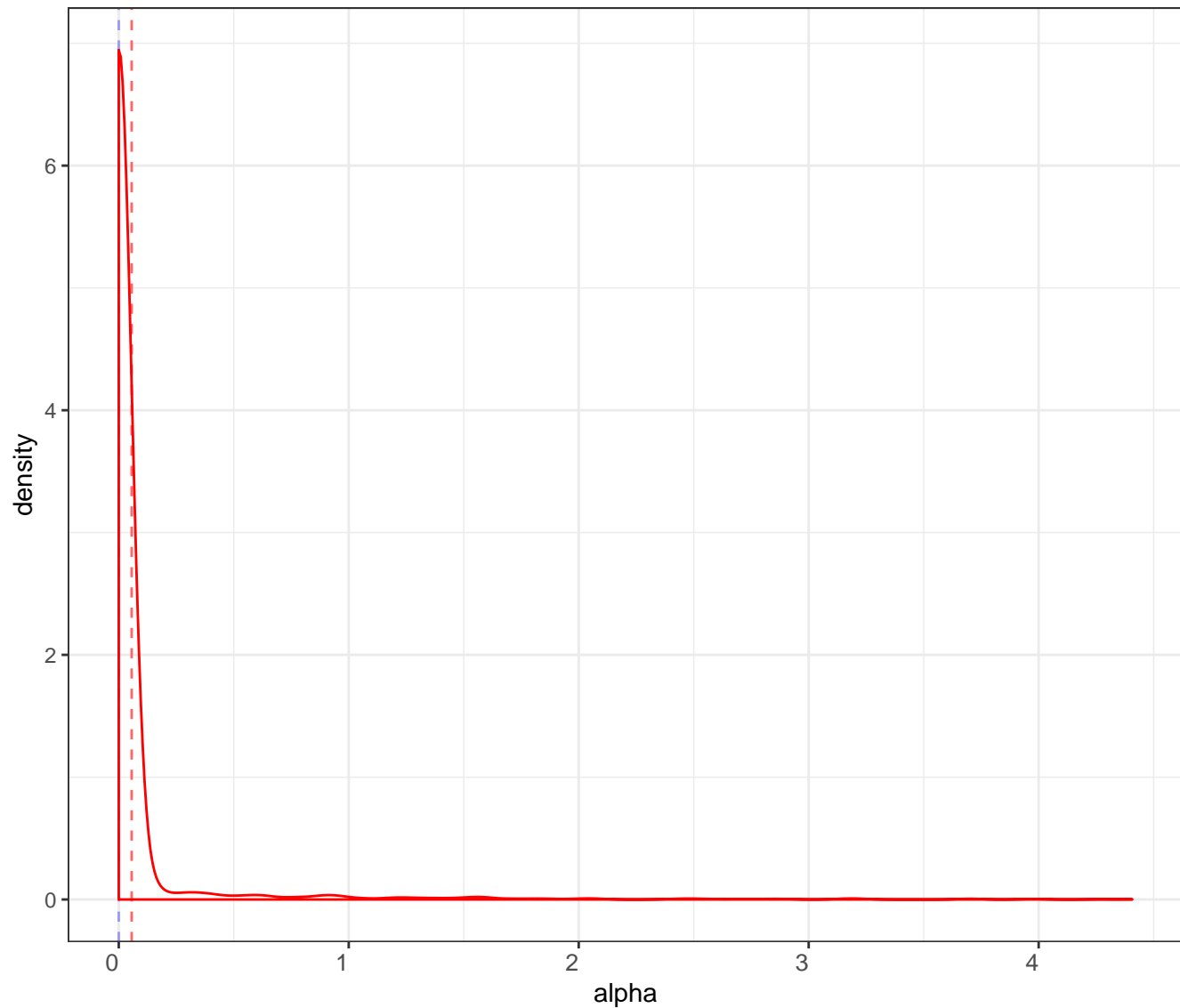
type  posterior  prior



Number of iterations: 5000 burnin: 1000 number of samples: 500

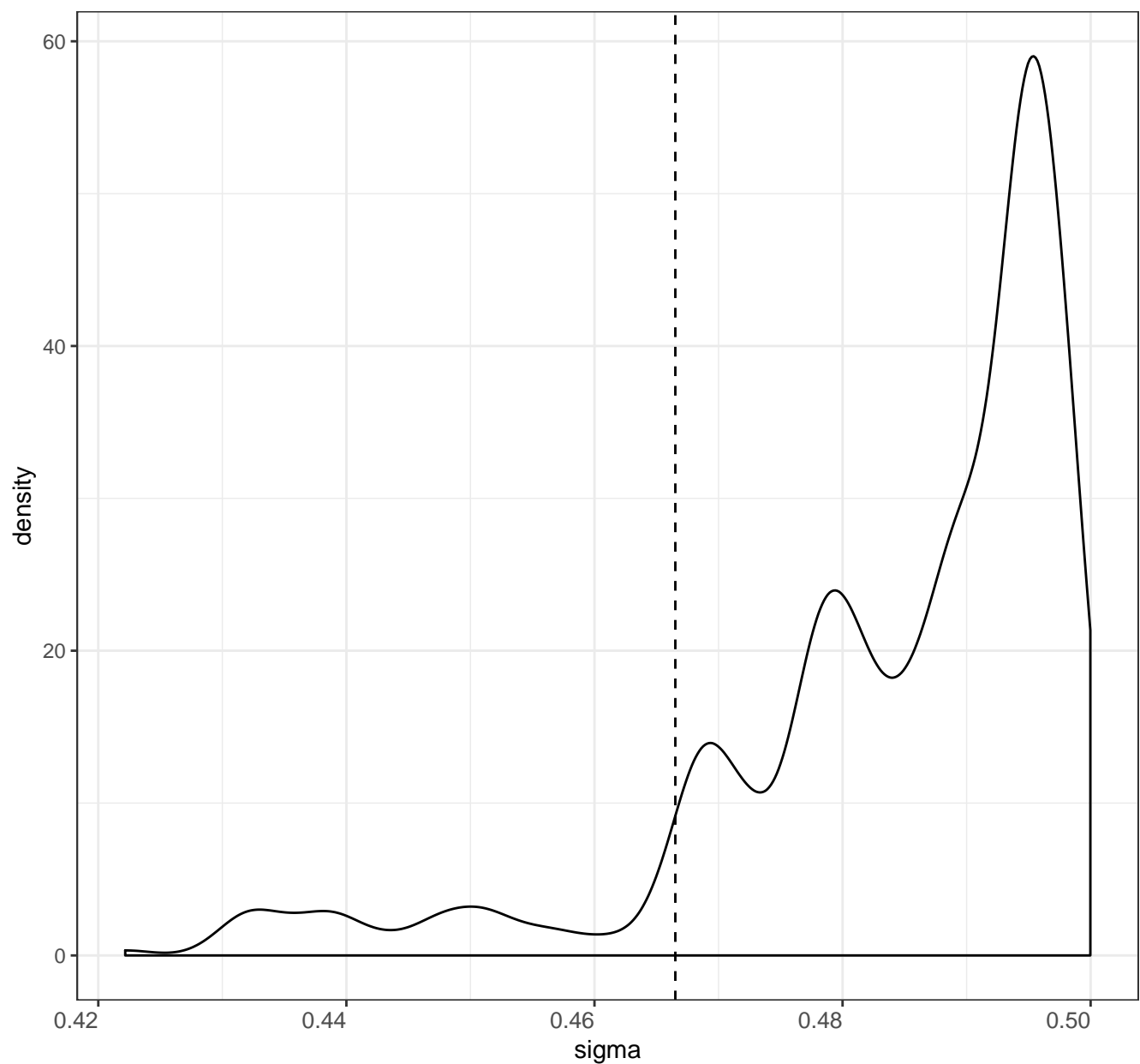
Posterior distribution for alpha

Legend posterior mean prior mean



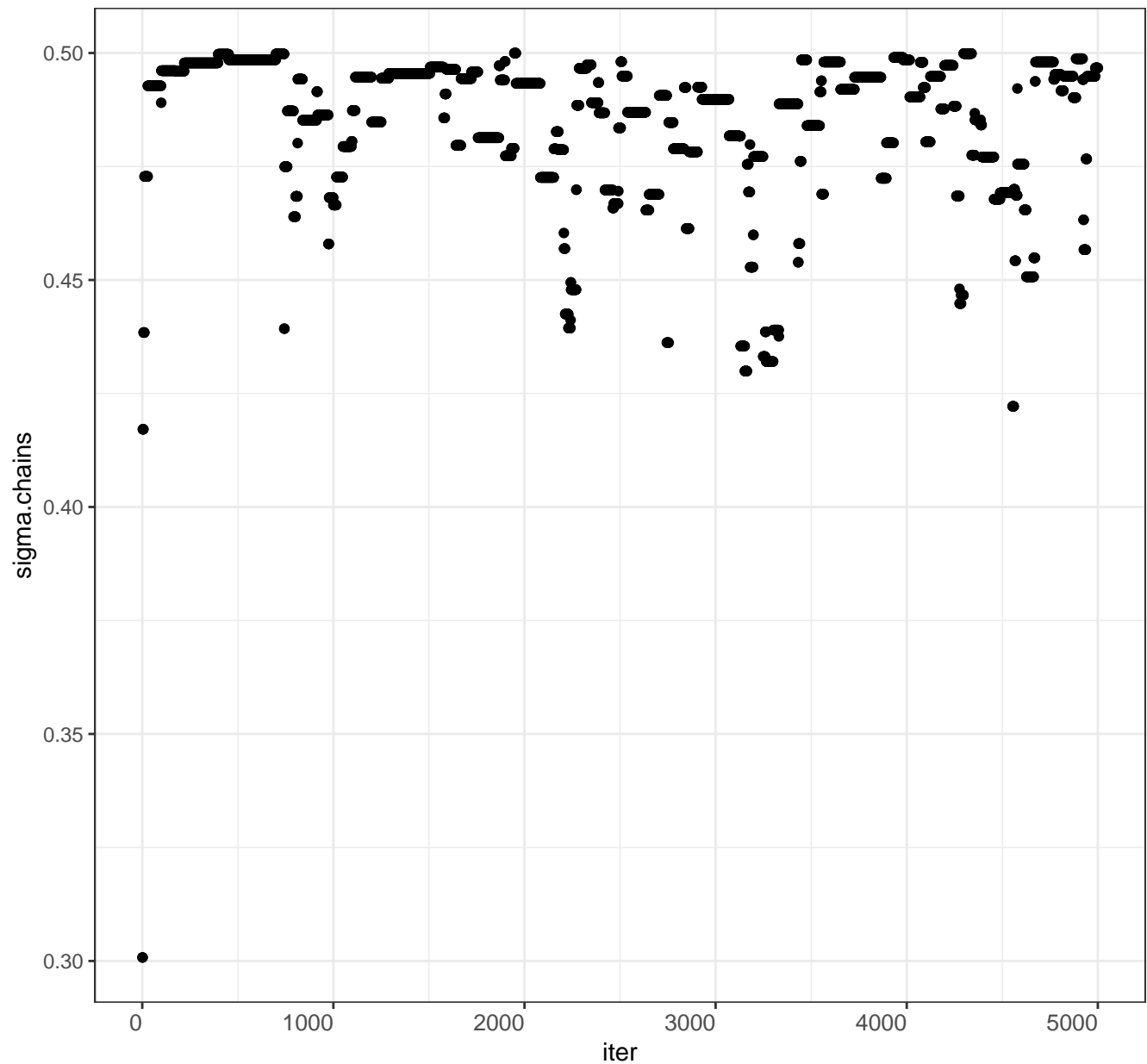
Number of iterations: 5000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=4 ,N=25

Distribution sigma: S=80 ,r=5 true gr K=4 ,type=4 ,N=25



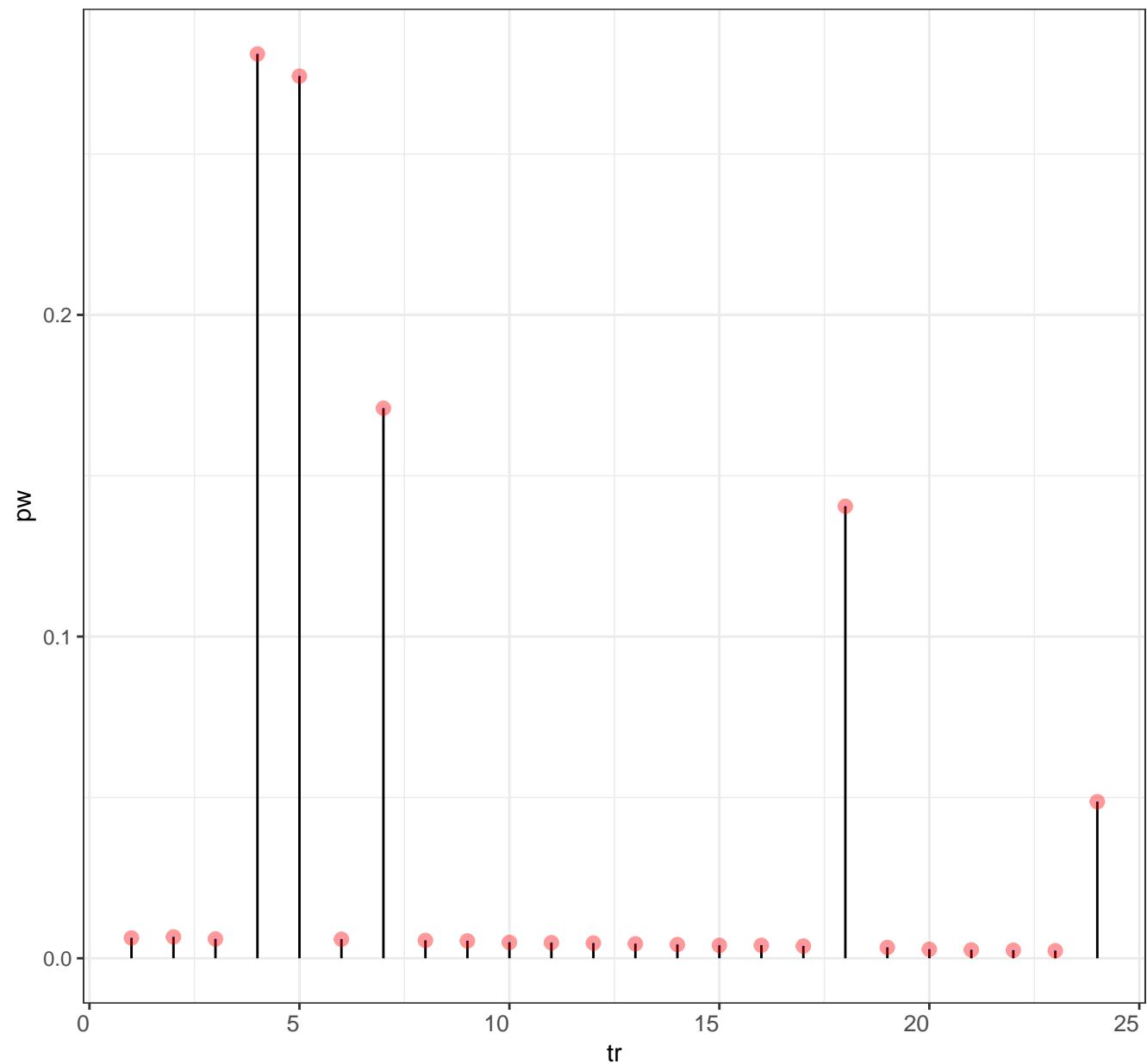
Number of iterations: 5000 burnin: 1000 number of samples: 500

Trace plot for the sigma for S=80 r=5 true K=4 type=4



Number of iterations: 5000 burnin: 1000number of samples: 500

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=4 , $N=25$ $pN=0.049$



Number of iterations: 5000 burnin: 1000 number of samples: 500