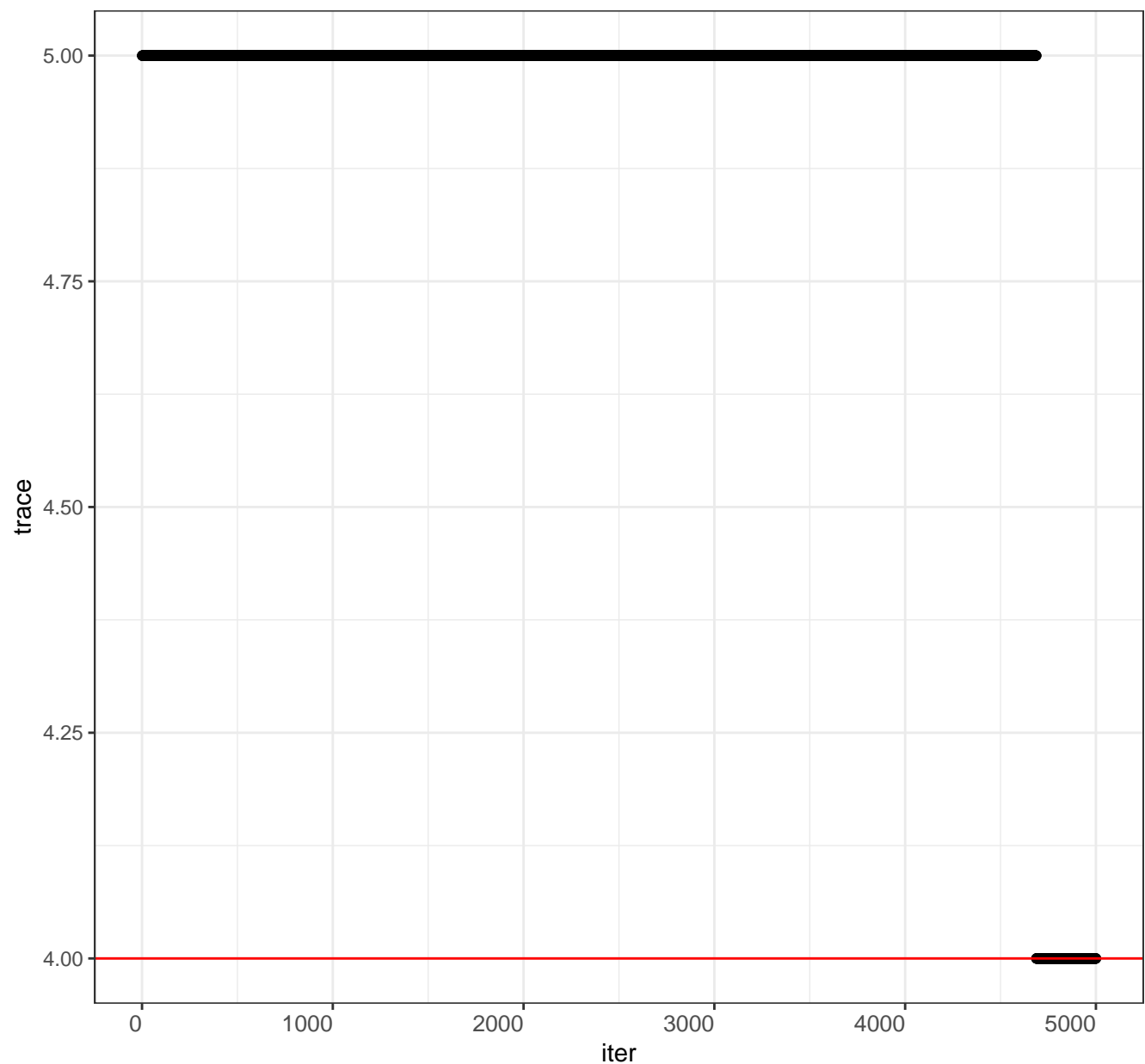




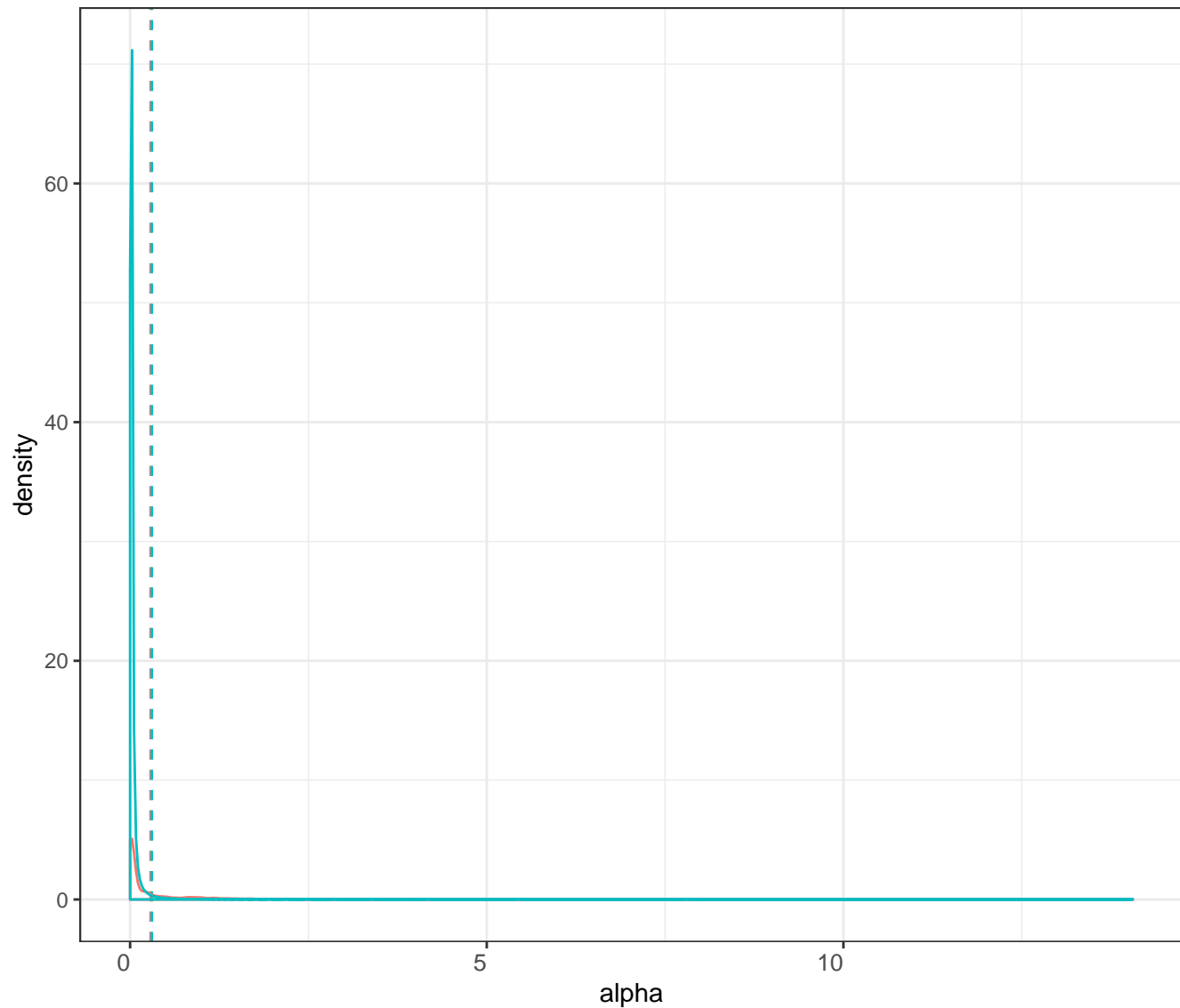
Trace plot for the number of groups K for S=100 r=10 true K=4 type=4



Number of iterations: 5000 burnin: 2000number of samples: 500

Distribution alpha: S=100 ,r=10 true gr K=4 ,type=4 ,N=28

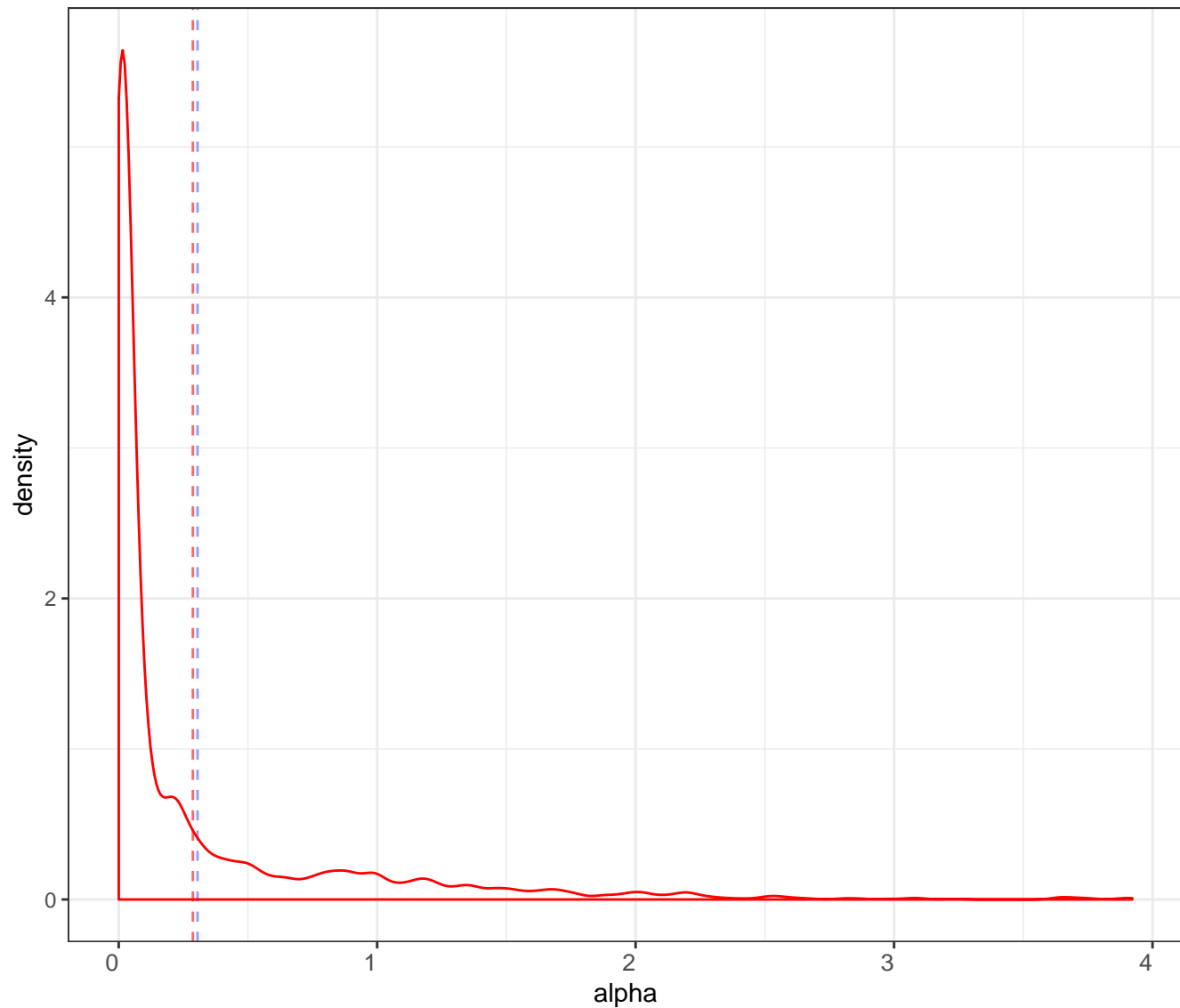
type  posterior  prior



Number of iterations: 5000 burnin: 2000 number of samples: 500

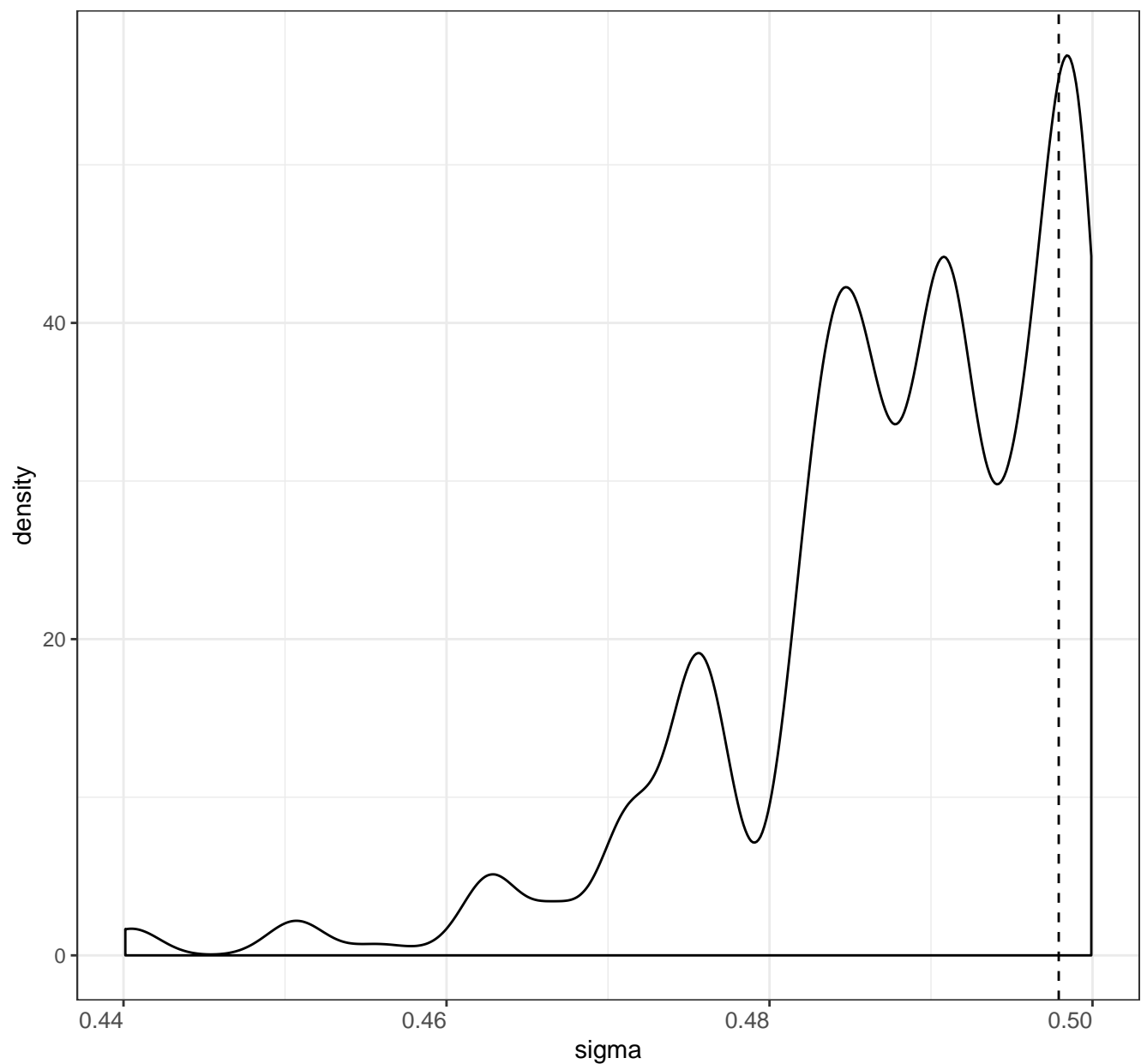
Posterior distribution for alpha

Legend posterior mean prior mean



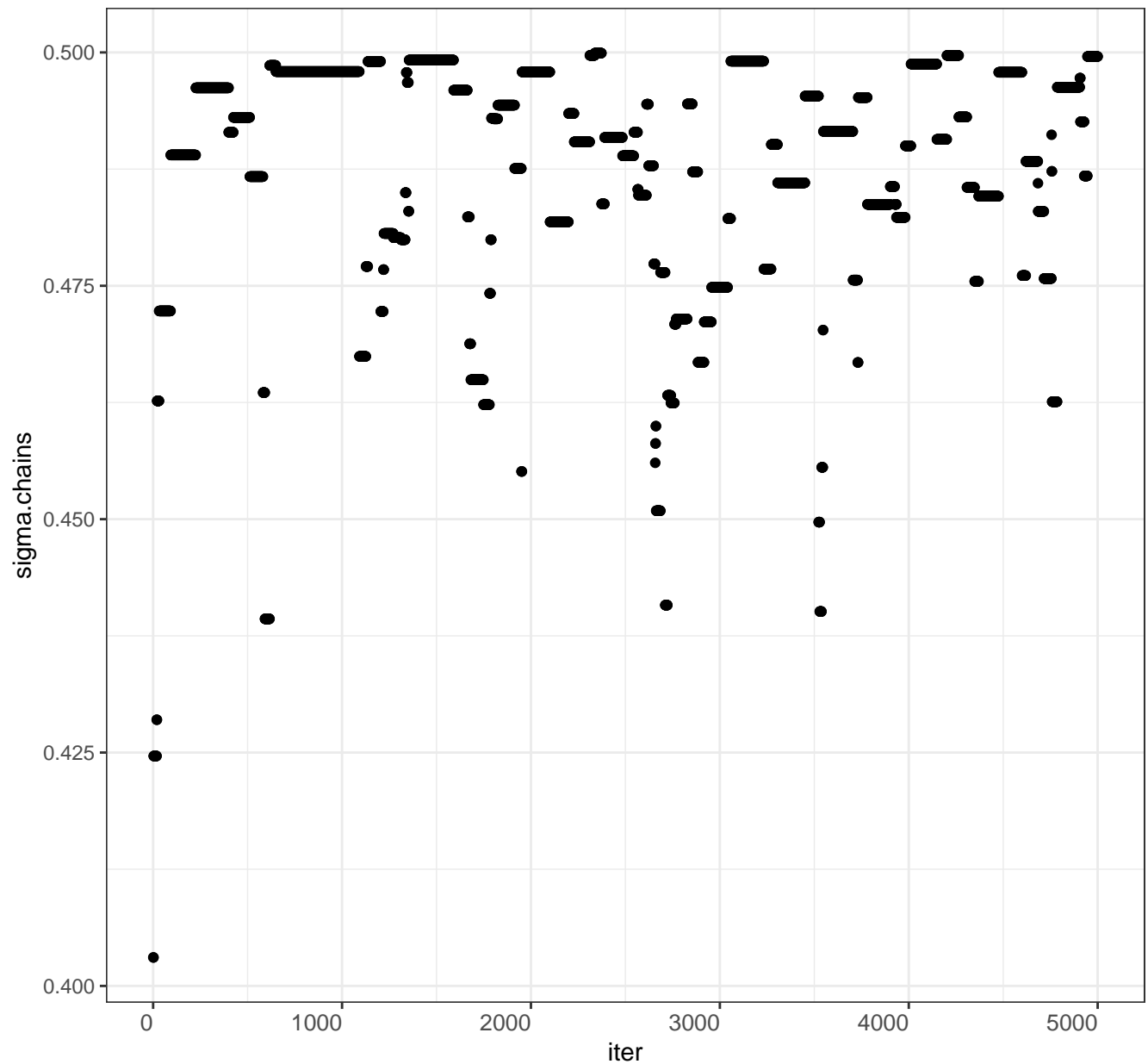
Number of iterations: 5000 burnin: 2000 number of samples: 500 S=100 ,r=10 true gr K=4 ,type=4 ,N=28

Distribution sigma: S=100 ,r=10 true gr K=4 ,type=4 ,N=28



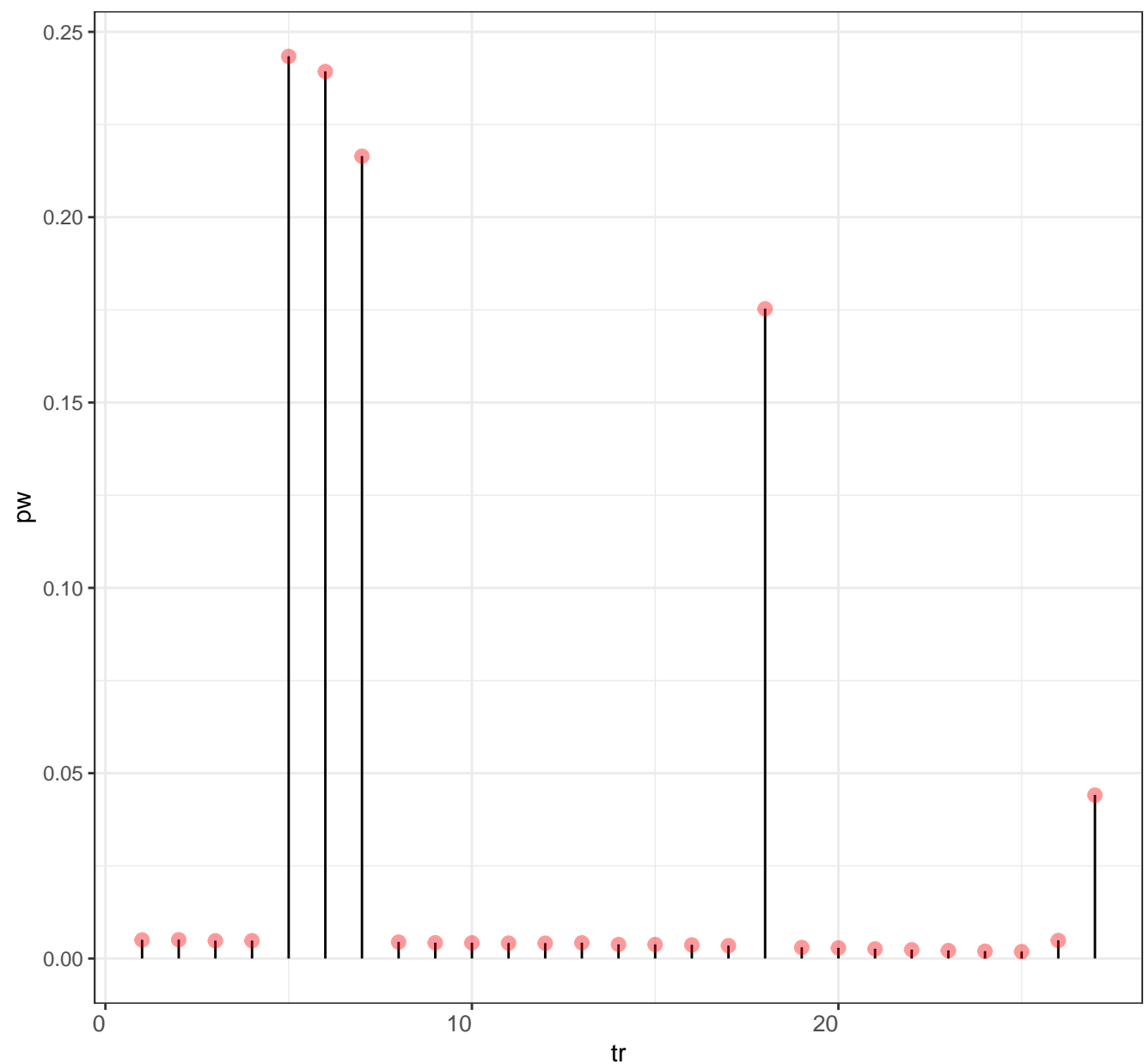
Number of iterations: 5000 burnin: 2000 number of samples: 500

Trace plot for the sigma for S=100 r=10 true K=4 type=4



Number of iterations: 5000 burnin: 2000number of samples: 500

Weights for the case: $S=100$, $r=10$ true gr $K=4$,type=4 , $N=28$ $pN=0.044$



Number of iterations: 5000 burnin: 2000 number of samples: 500