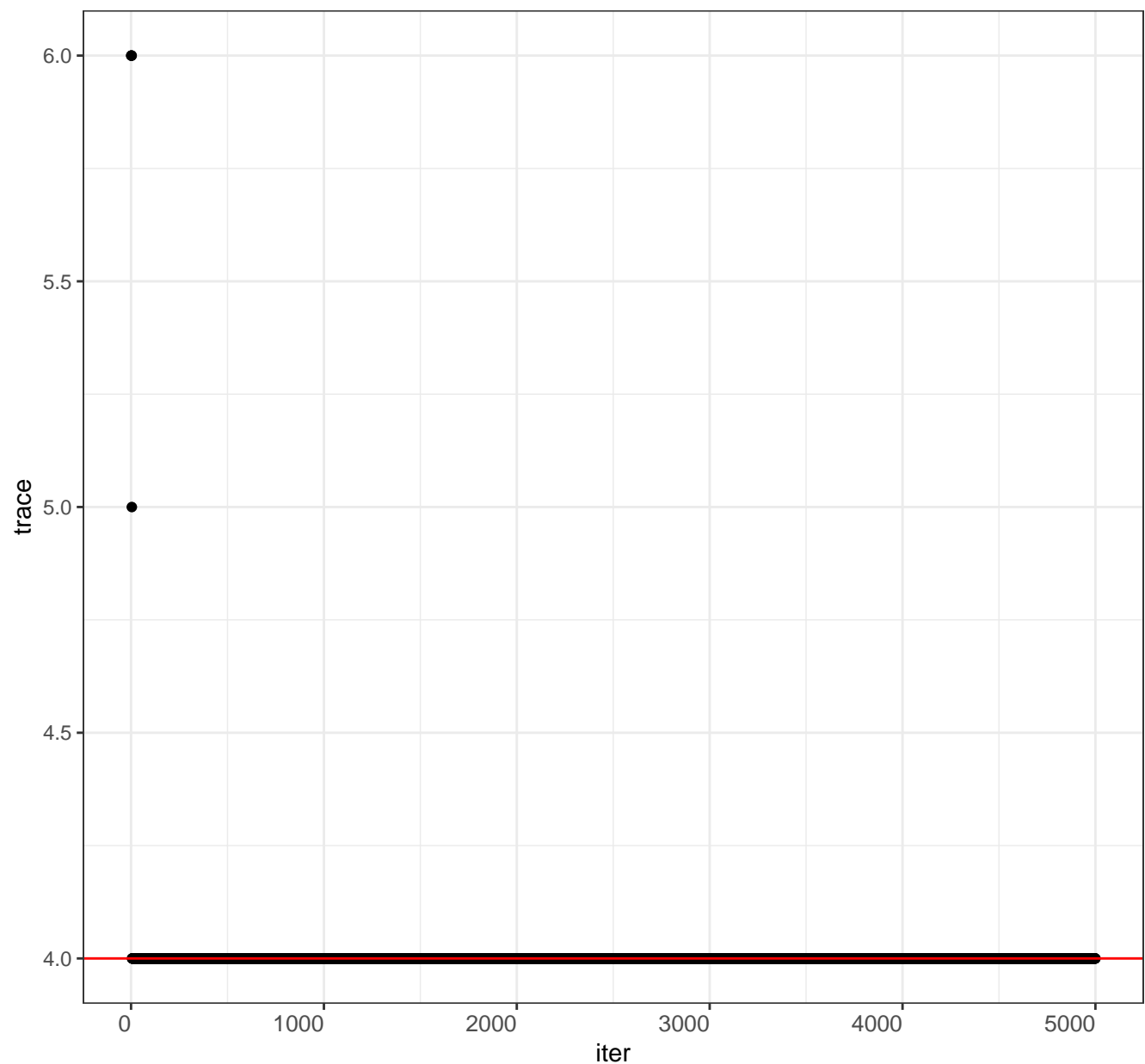




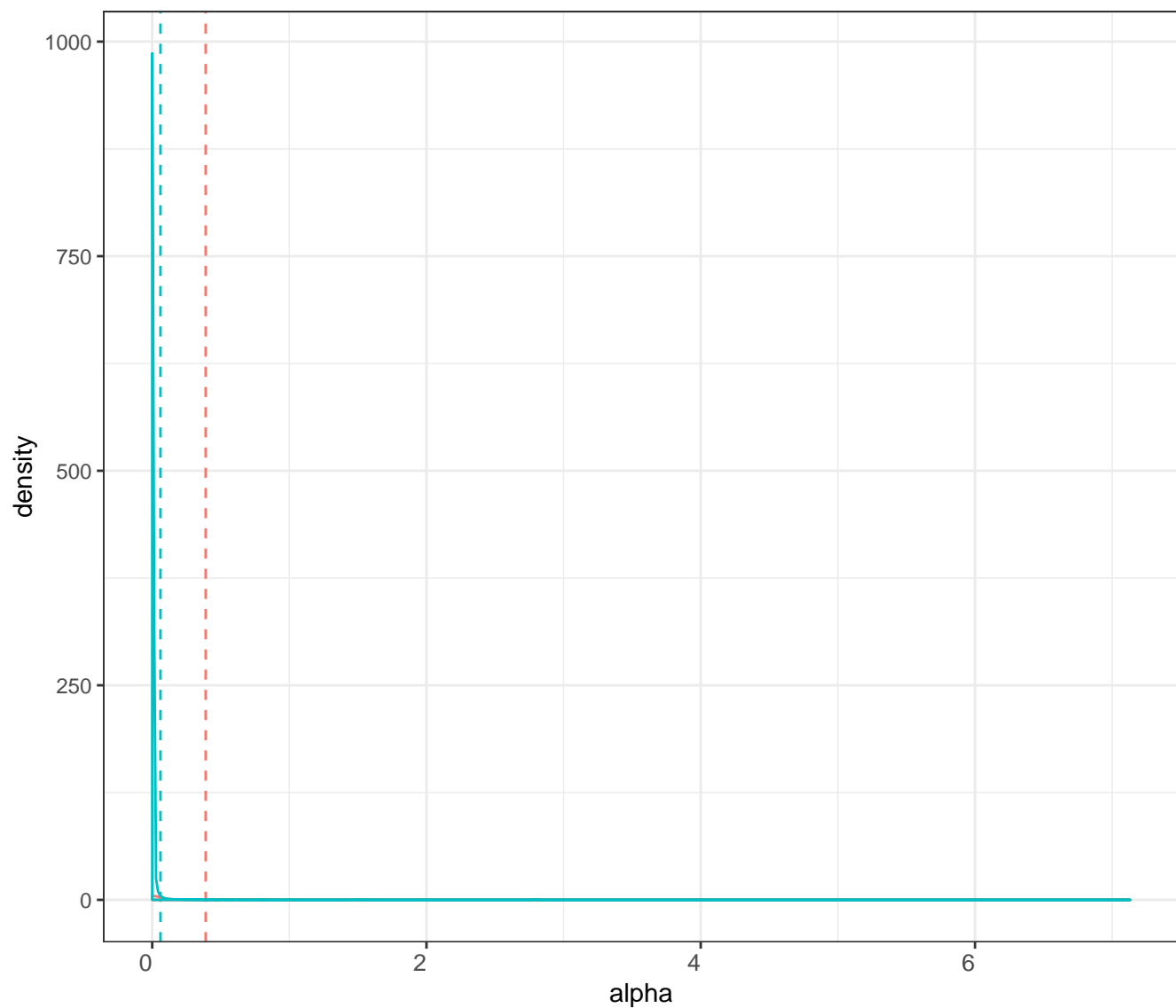
Trace plot for the number of groups K for S=20 r=10 true K=4 type=4



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

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=4 ,N=25

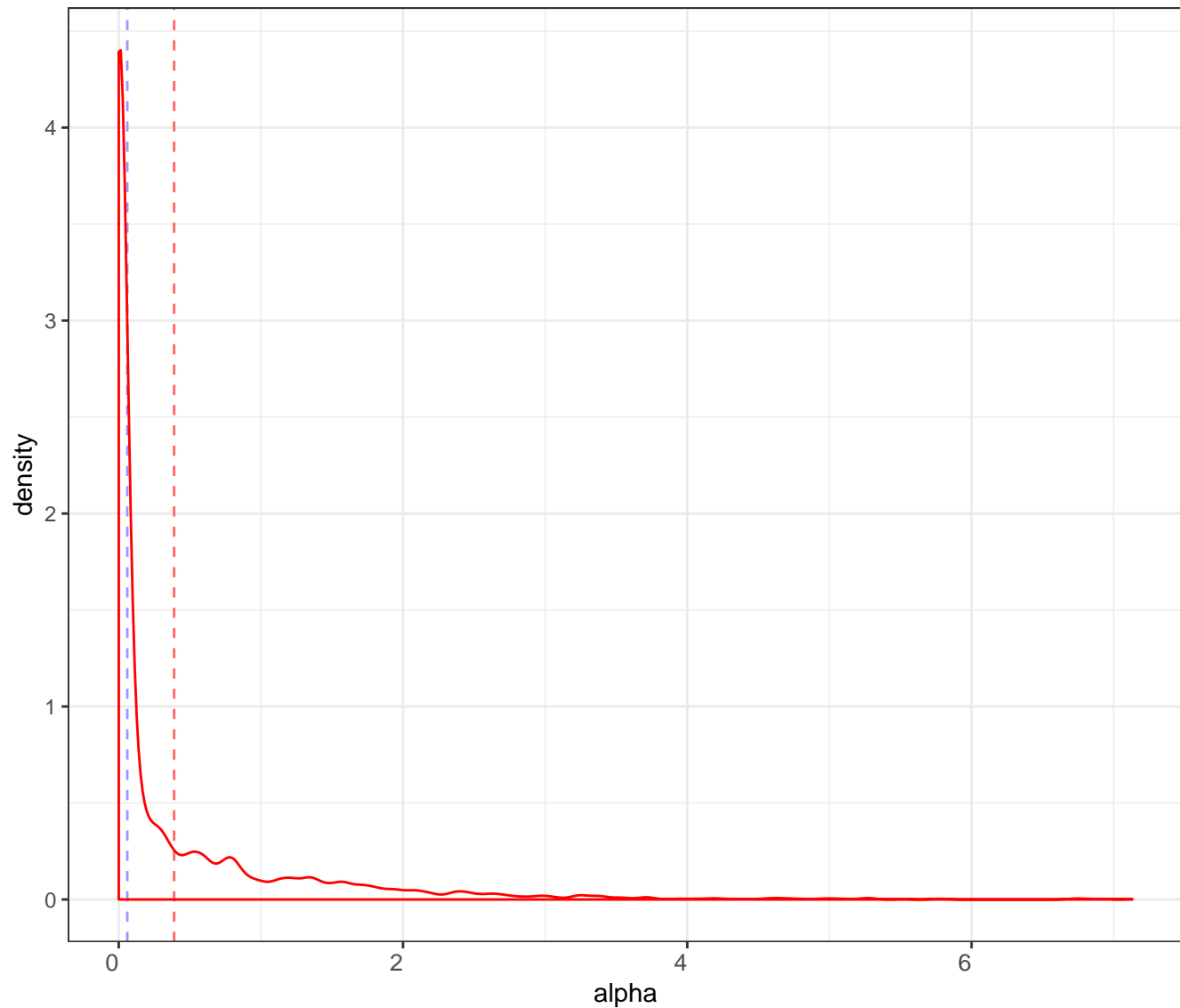
type  posterior  prior



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

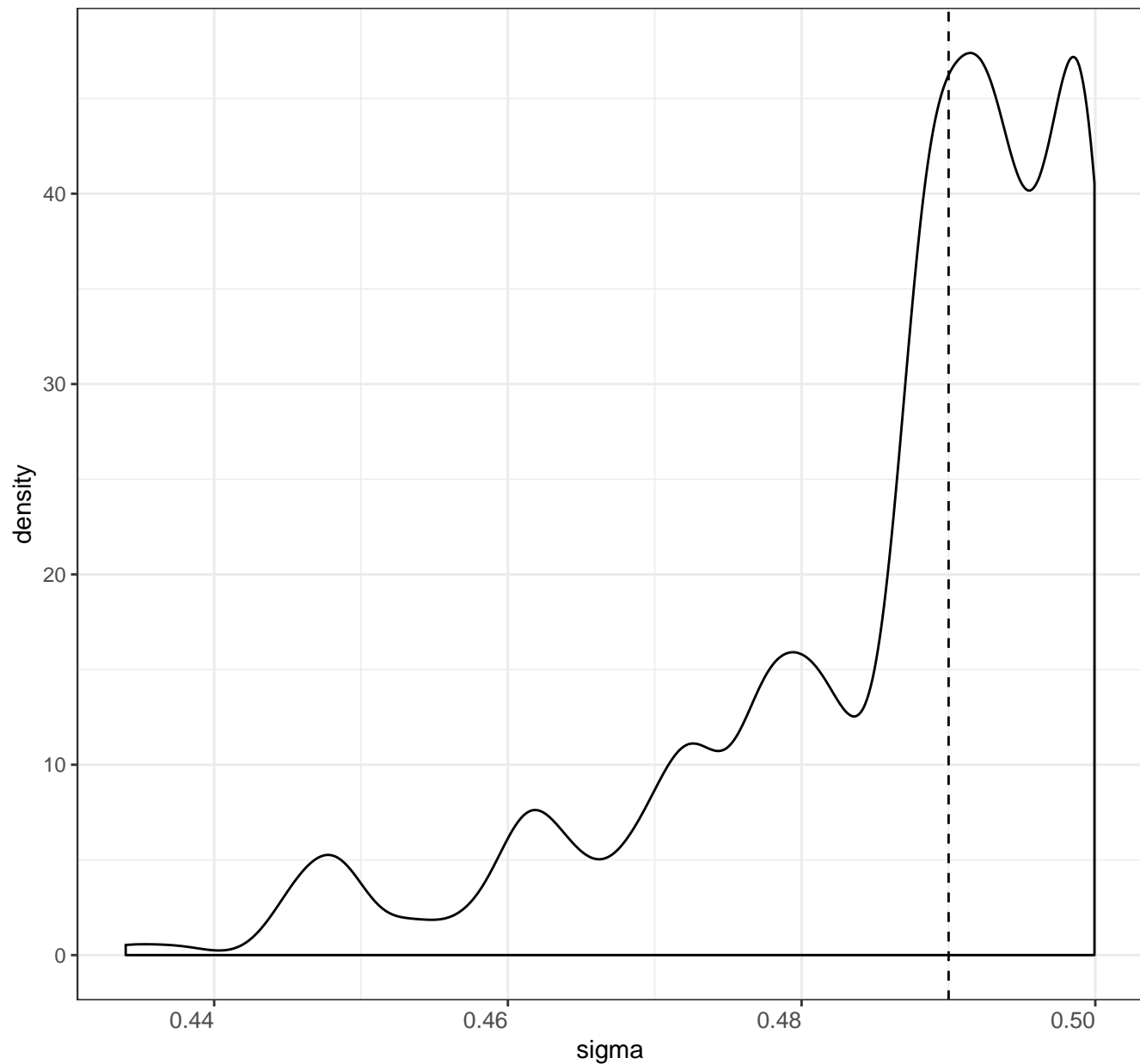
# Posterior distribution for alpha

Legend      posterior mean      prior mean



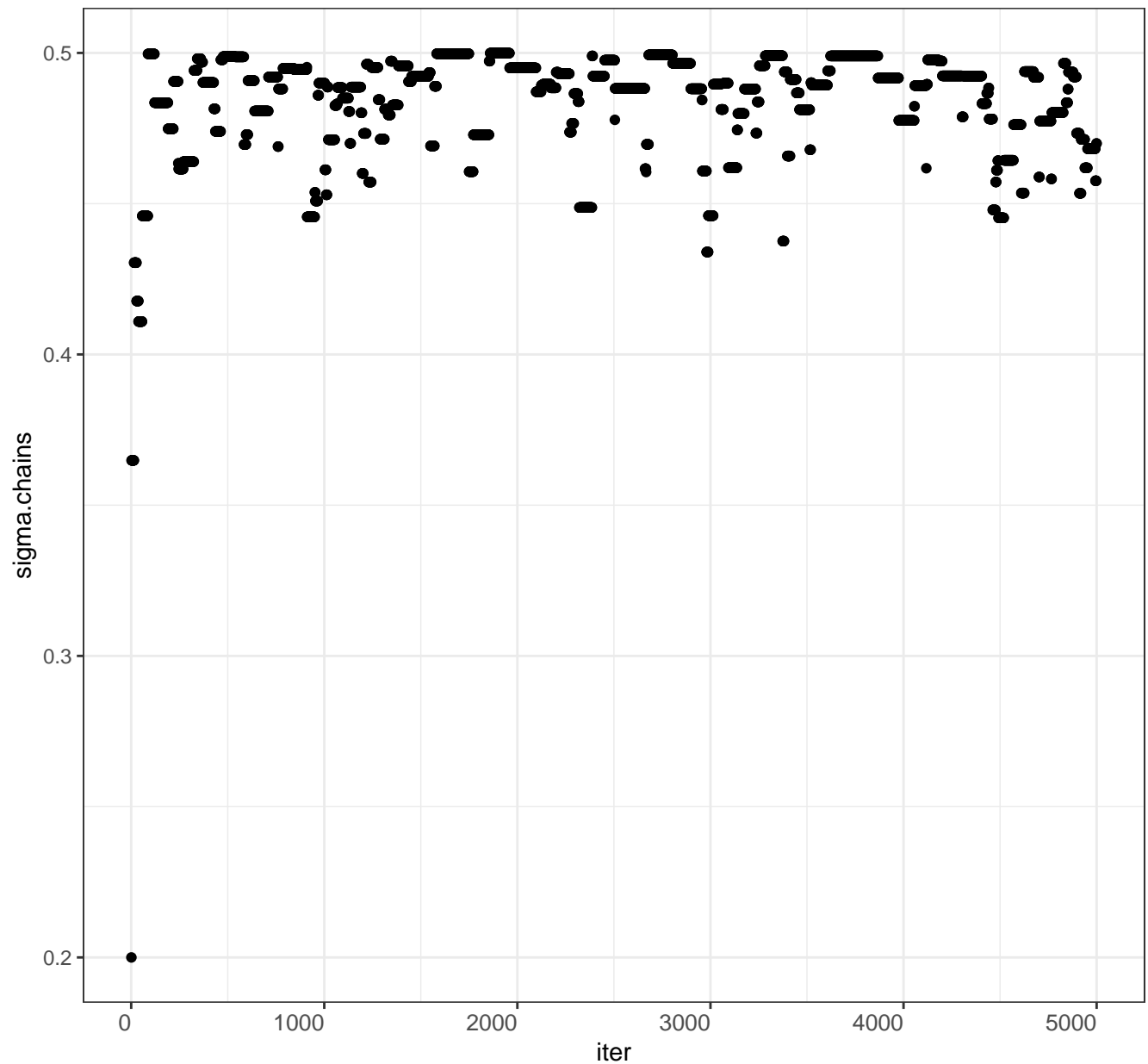
Number of iterations: 5000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=4 ,N=25

Distribution sigma: S=20 ,r=10 true gr K=4 ,type=4 ,N=25

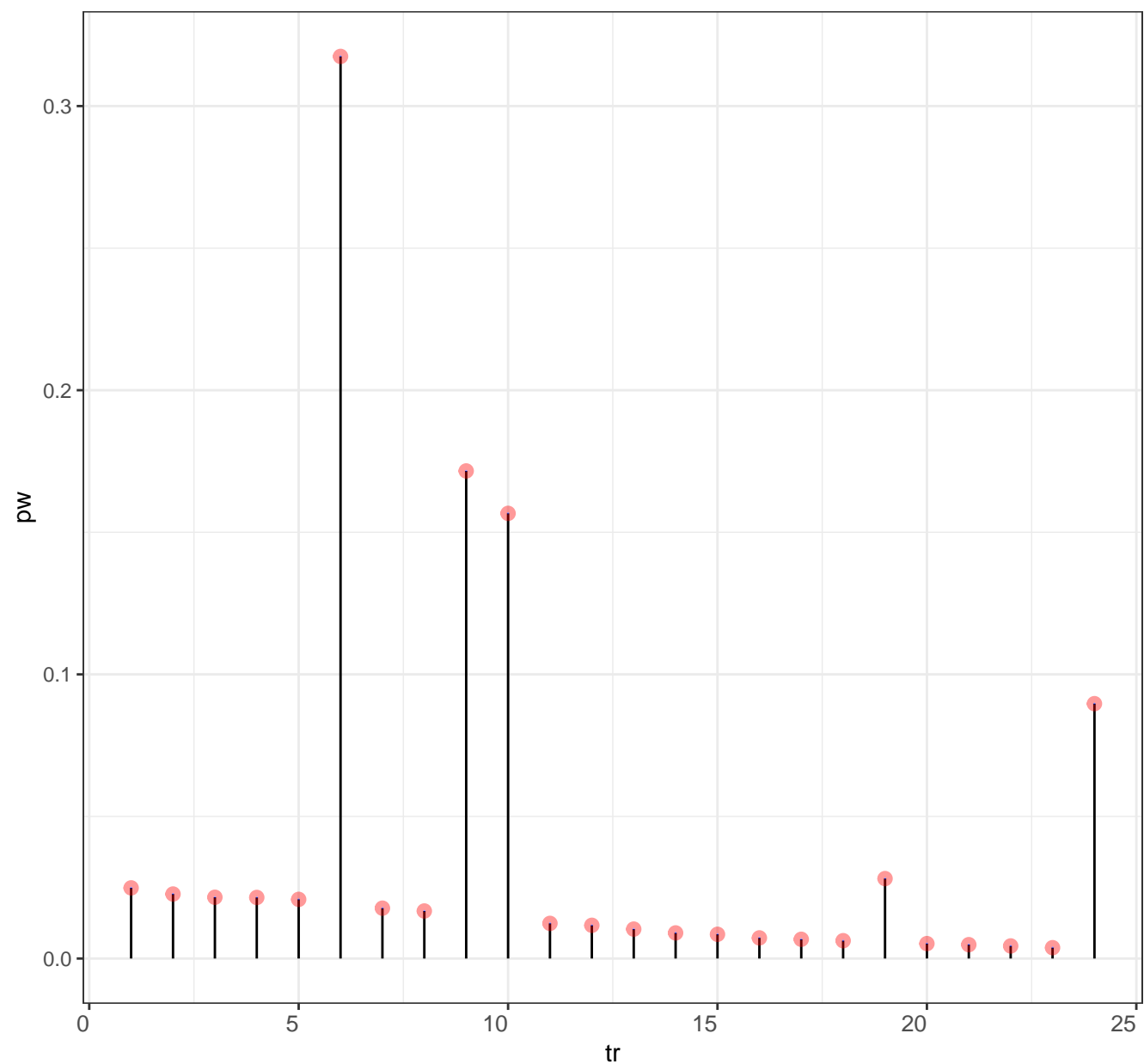


Number of iterations: 5000 burnin: 1000 number of samples: 500

Trace plot for the sigma for S=20 r=10 true K=4 type=4



Weights for the case:  $S=20$  , $r=10$  true gr  $K=4$  ,type=4 , $N=25$   $pN=0.09$



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