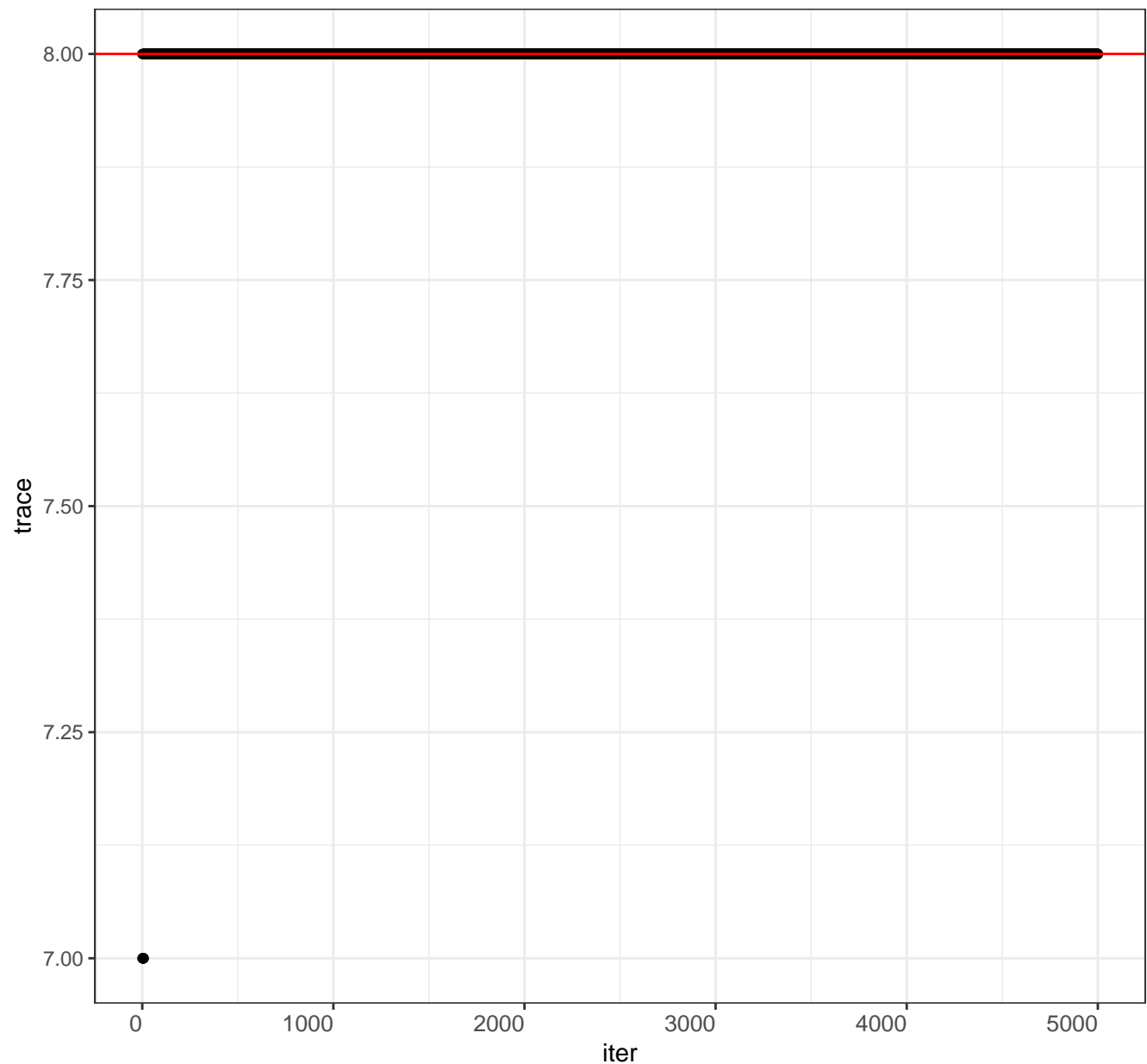


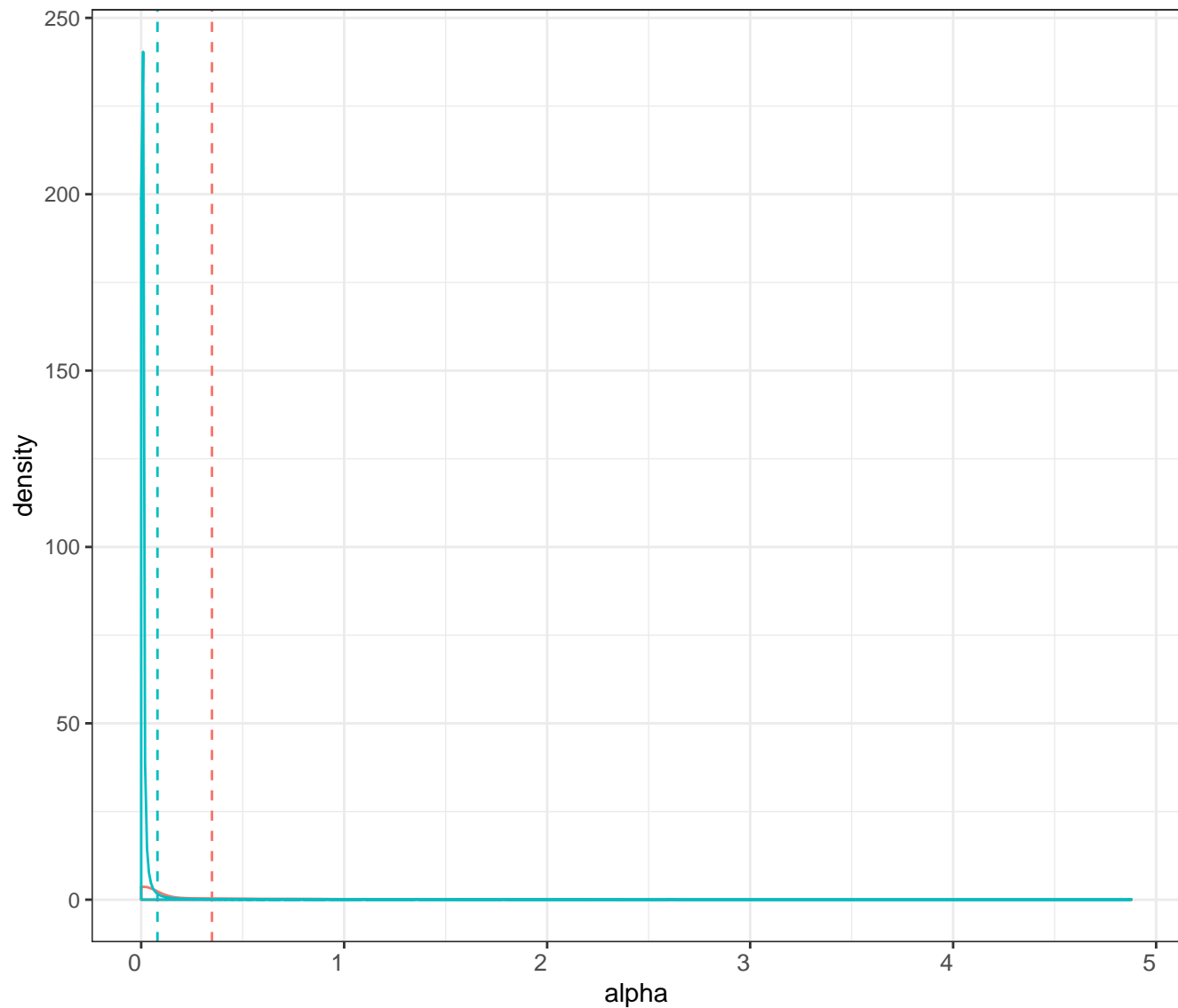
Trace plot for the number of groups K for S=100 r=5 true K=8 type=4



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

Distribution alpha: S=100 ,r=5 true gr K=8 ,type=4 ,N=25

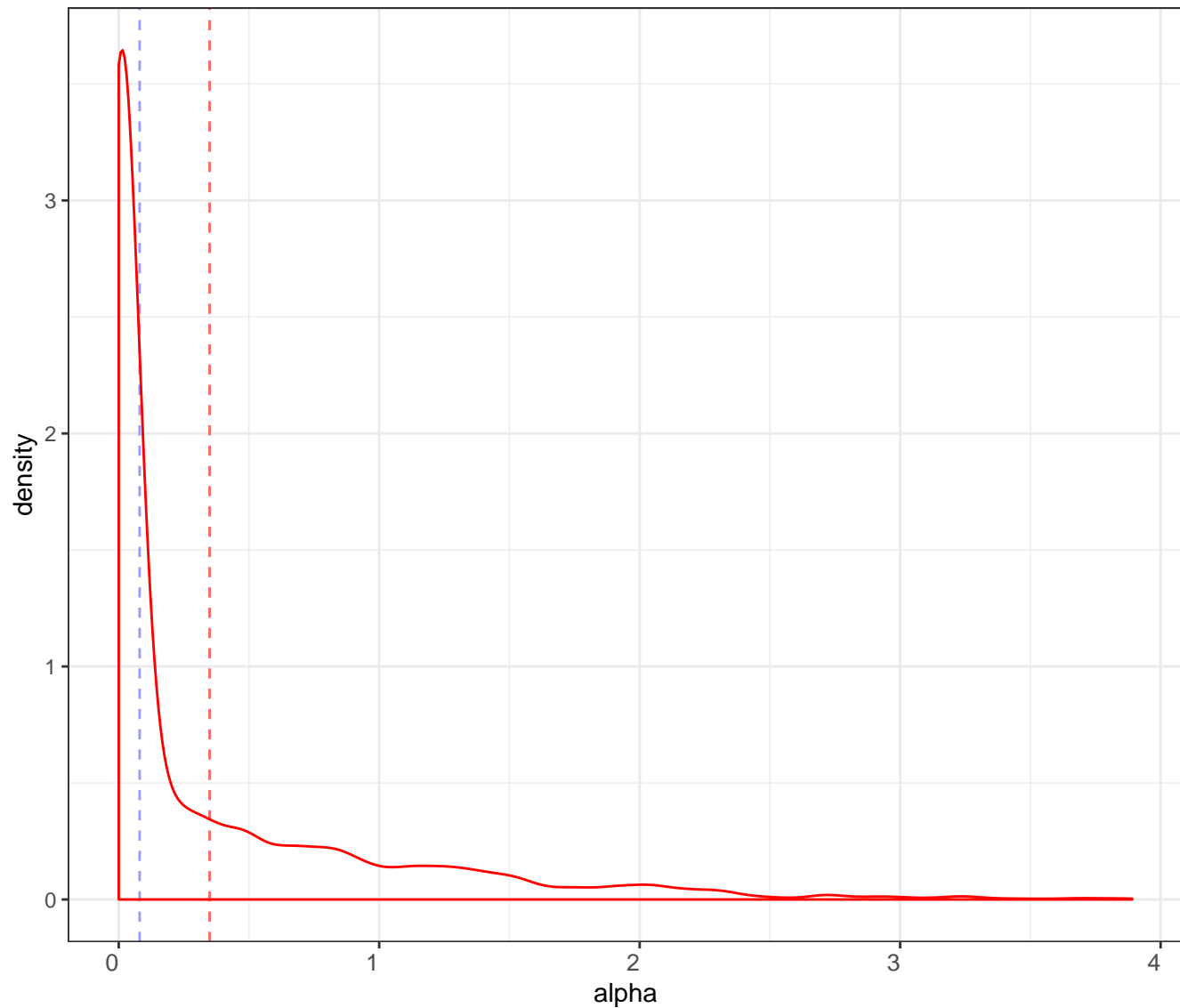
type - - posterior - - prior



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

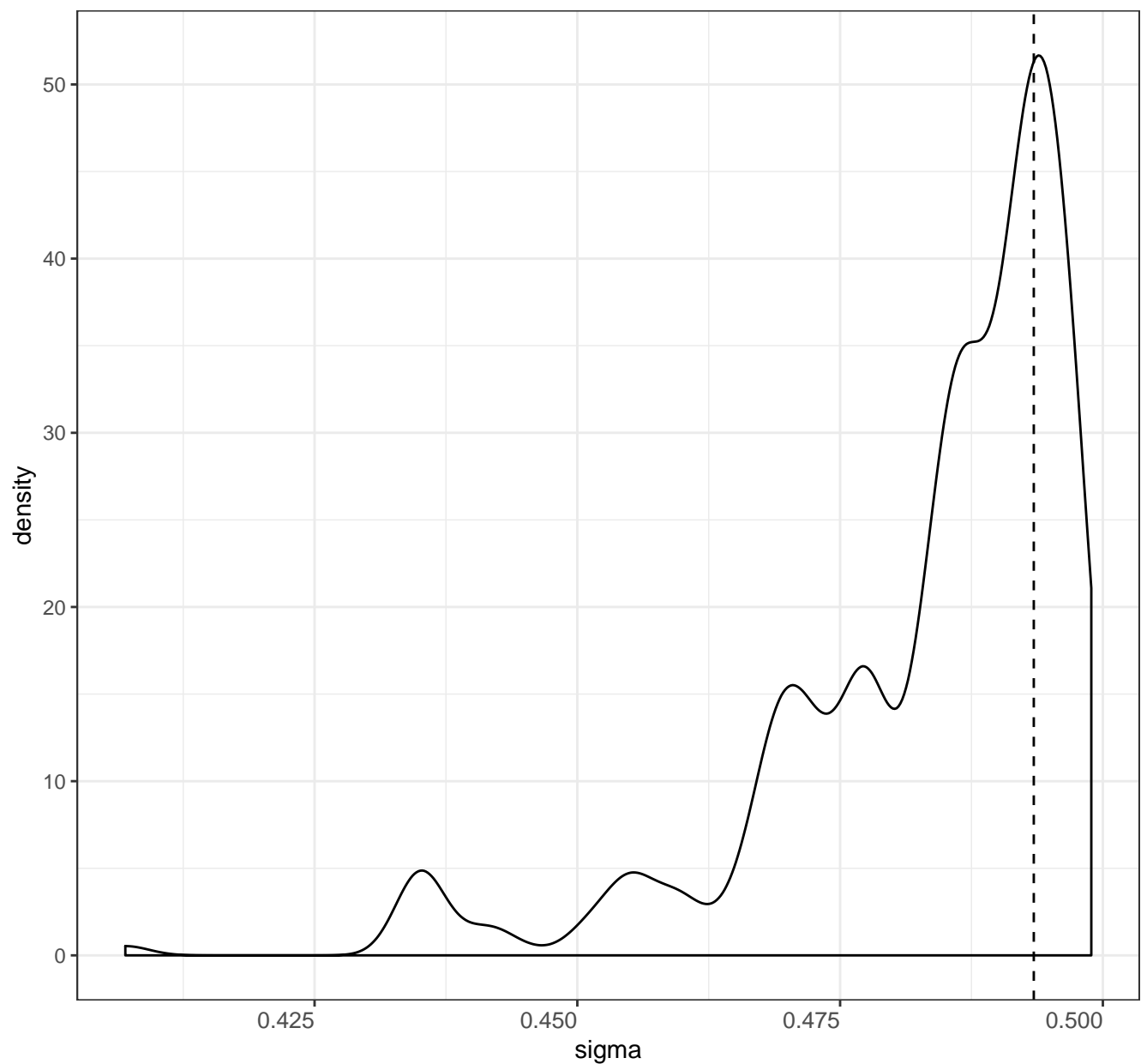
# Posterior distribution for alpha

Legend      posterior mean      prior mean



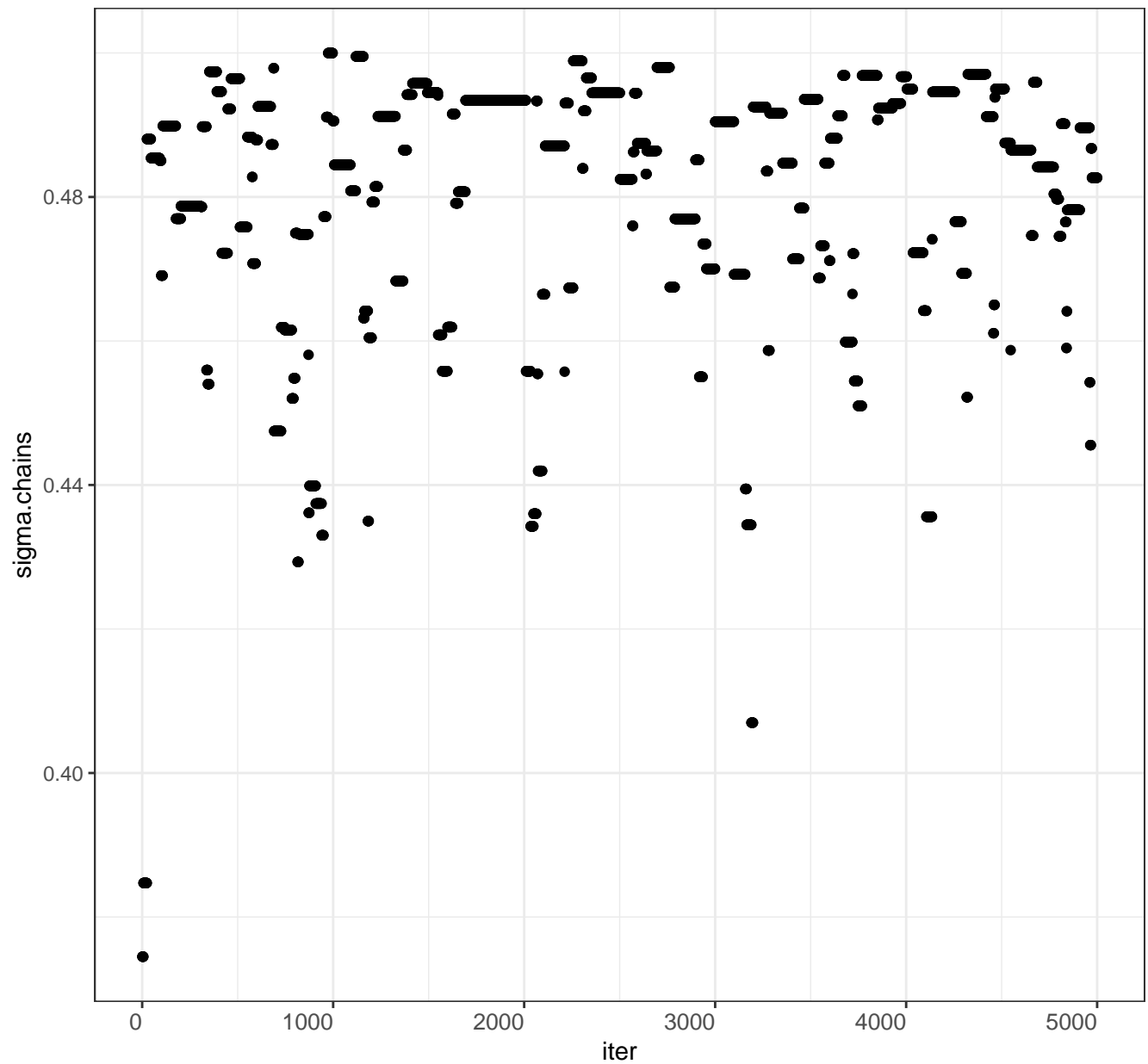
Number of iterations: 5000 burnin: 2000 number of samples: 500 S=100 ,r=5 true gr K=8 ,type=4 ,N=25

Distribution sigma: S=100 ,r=5 true gr K=8 ,type=4 ,N=25

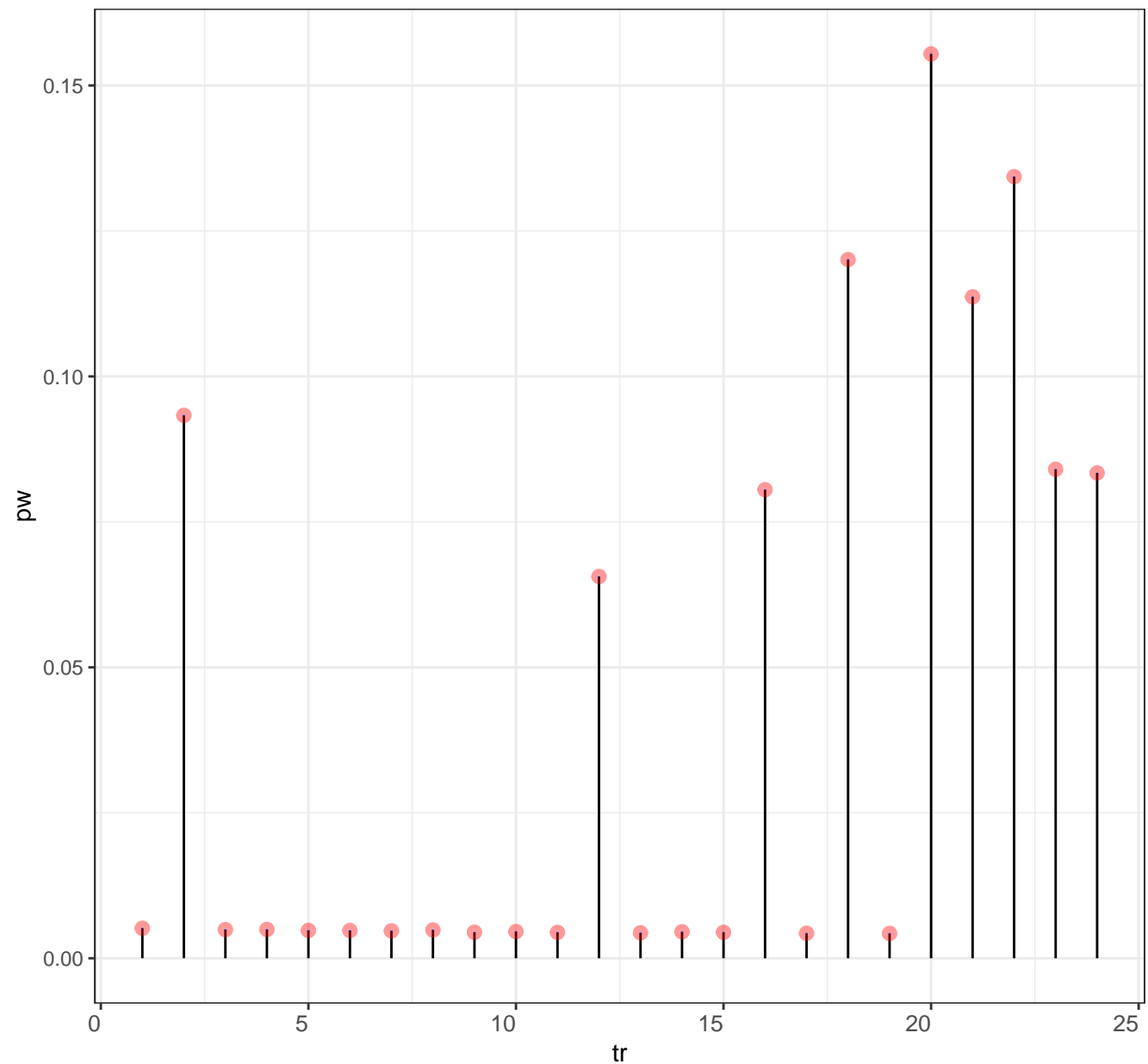


Number of iterations: 5000 burnin: 2000 number of samples: 500

Trace plot for the sigma for S=100 r=5 true K=8 type=4

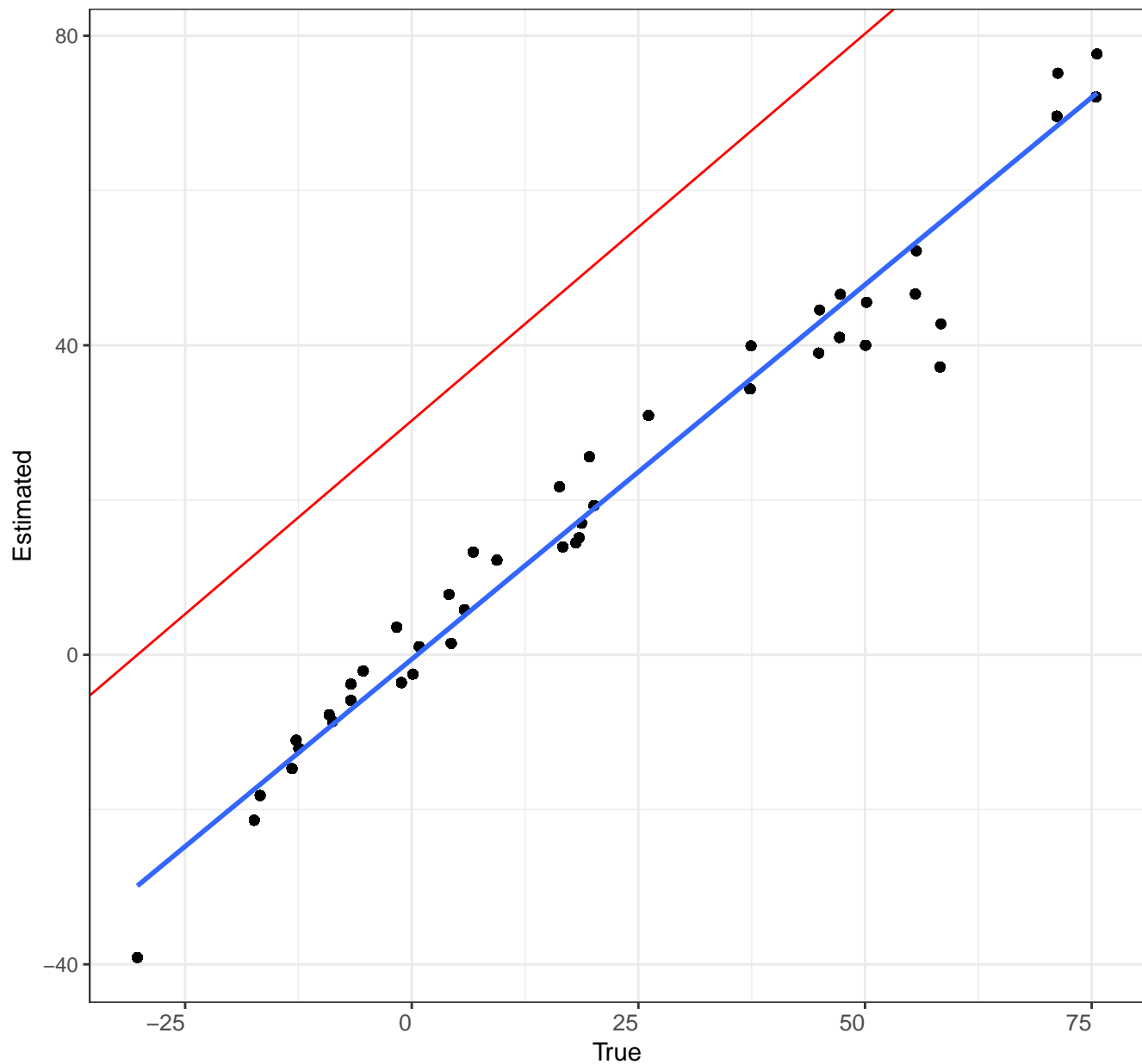


Weights for the case:  $S=100$  , $r=5$  true gr  $K=8$  ,type=4 , $N=25$   $pN=0.083$



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

True vs estimated covariance parameters



Number of iterations: 5000 burnin: 2000number of samples: 500S=100 r=5 true K=8 type=4