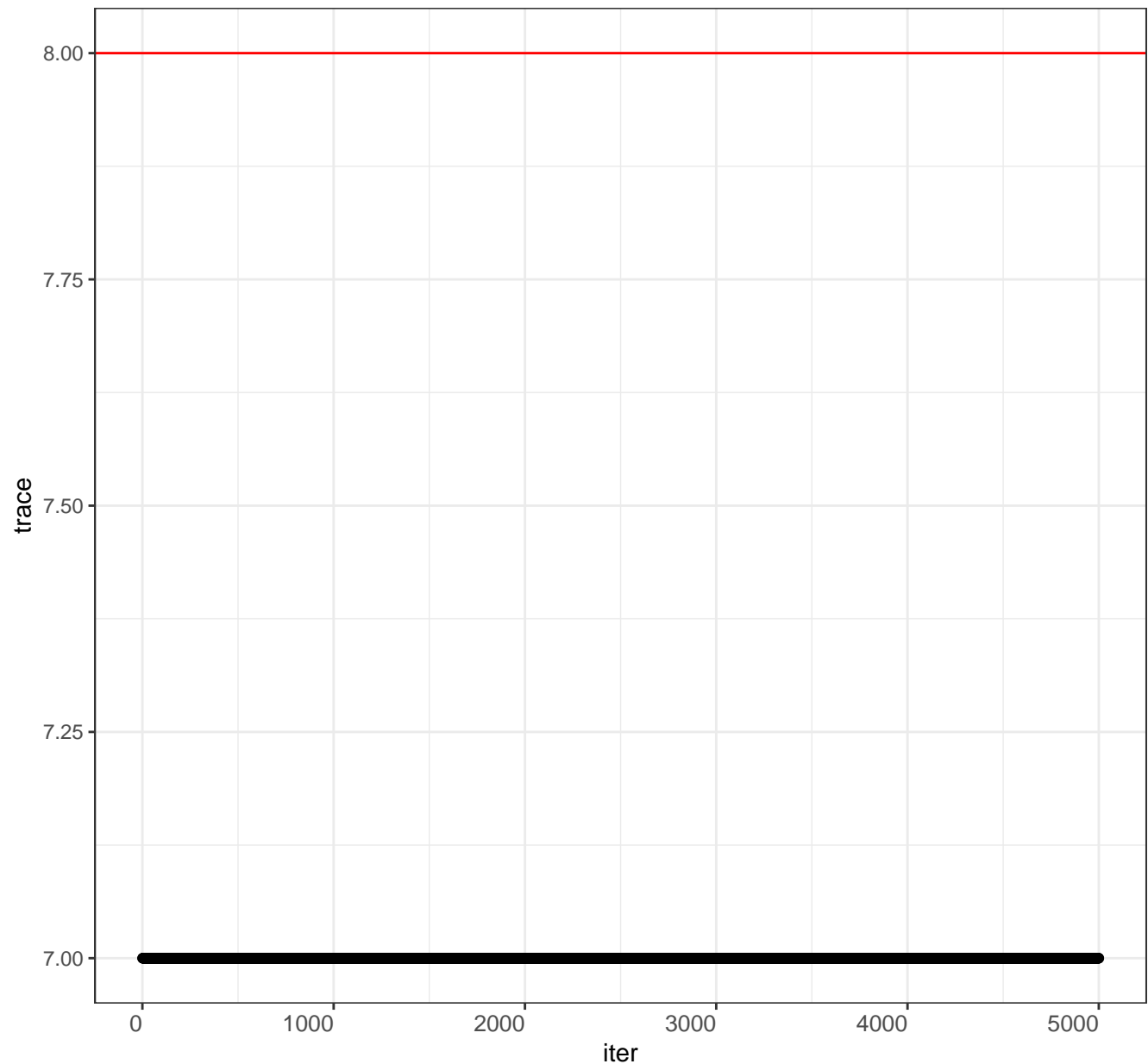


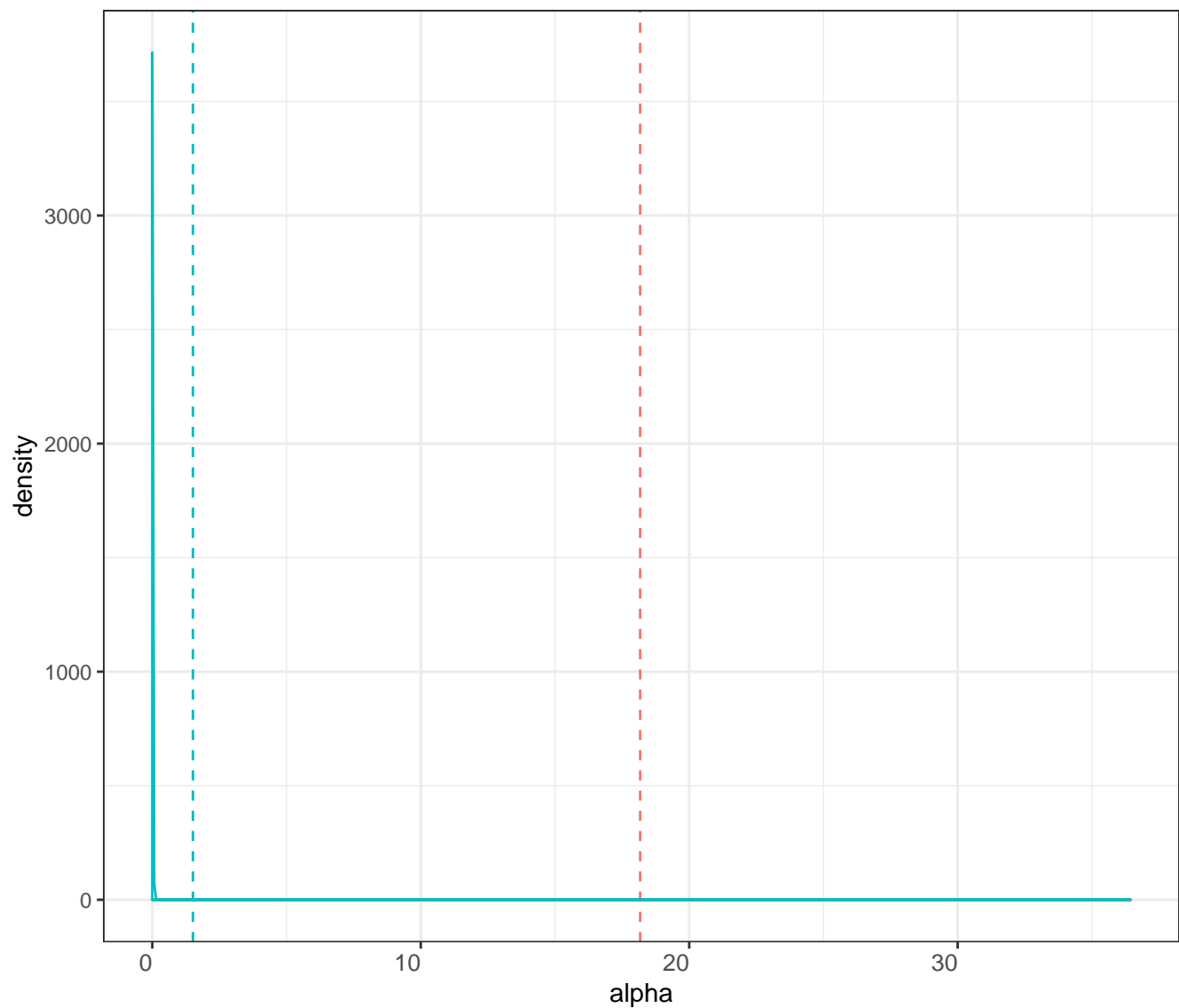
Trace plot for the number of groups K for S=20 r=15 true K=8 type=4



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

Distribution alpha: S=20 ,r=15 true gr K=8 ,type=4 ,N=229

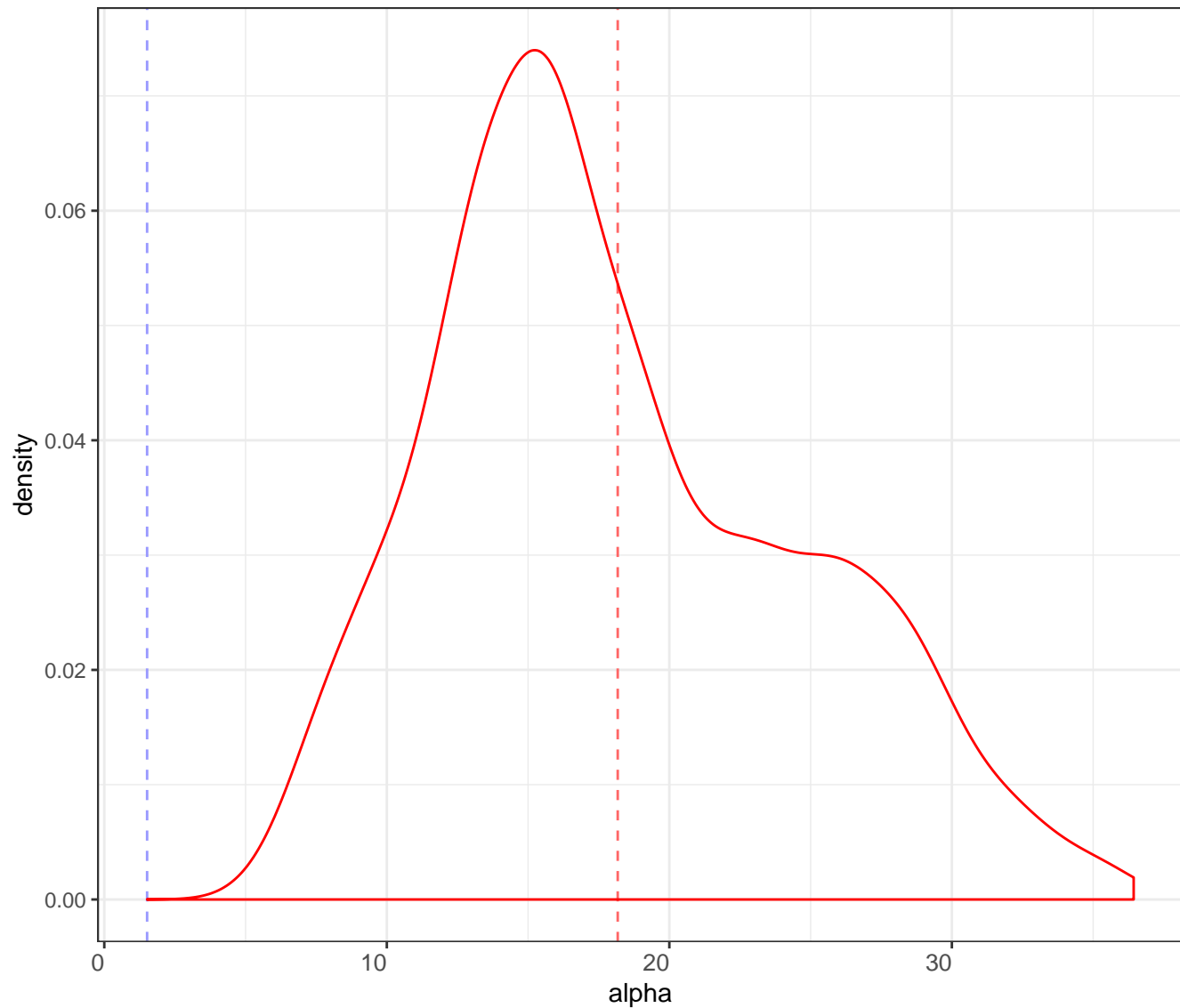
type ┆┆ posterior ┆┆ prior



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

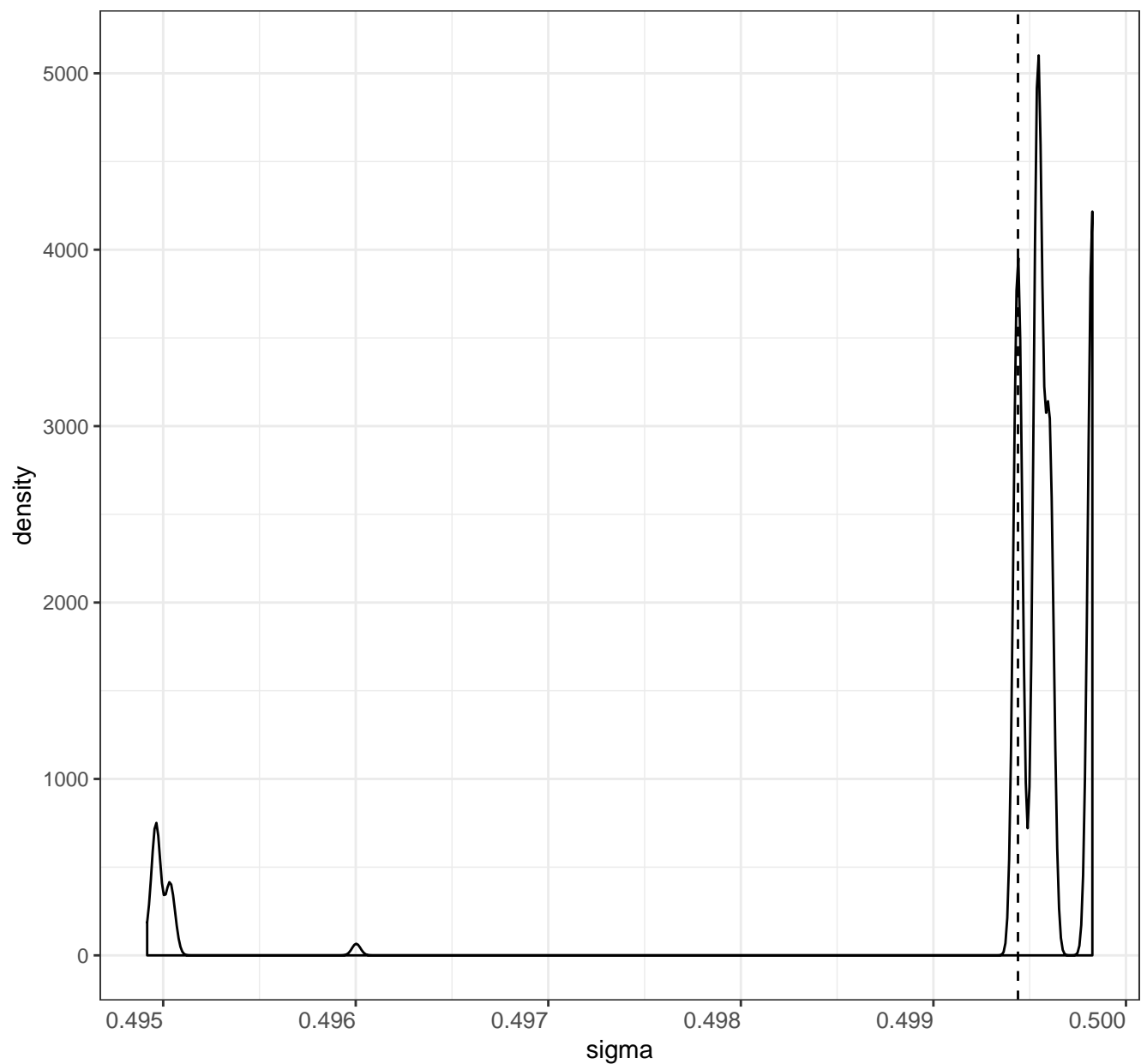
# Posterior distribution for alpha

Legend    posterior mean    prior mean



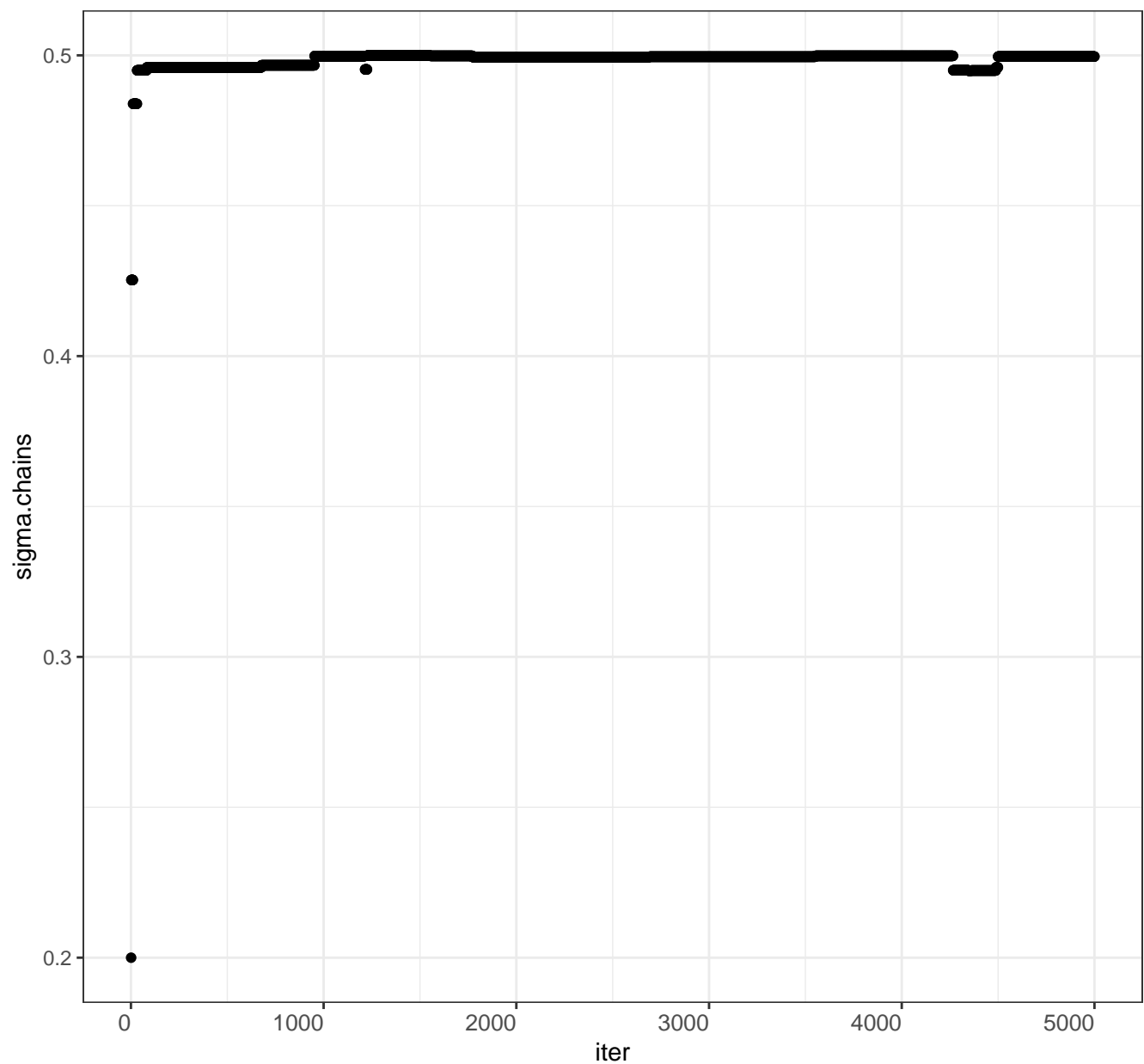
Number of iterations: 5000 burnin: 2000 number of samples: 500 S=20 ,r=15 true gr K=8 ,type=4 ,N=229

Distribution sigma: S=20 ,r=15 true gr K=8 ,type=4 ,N=229



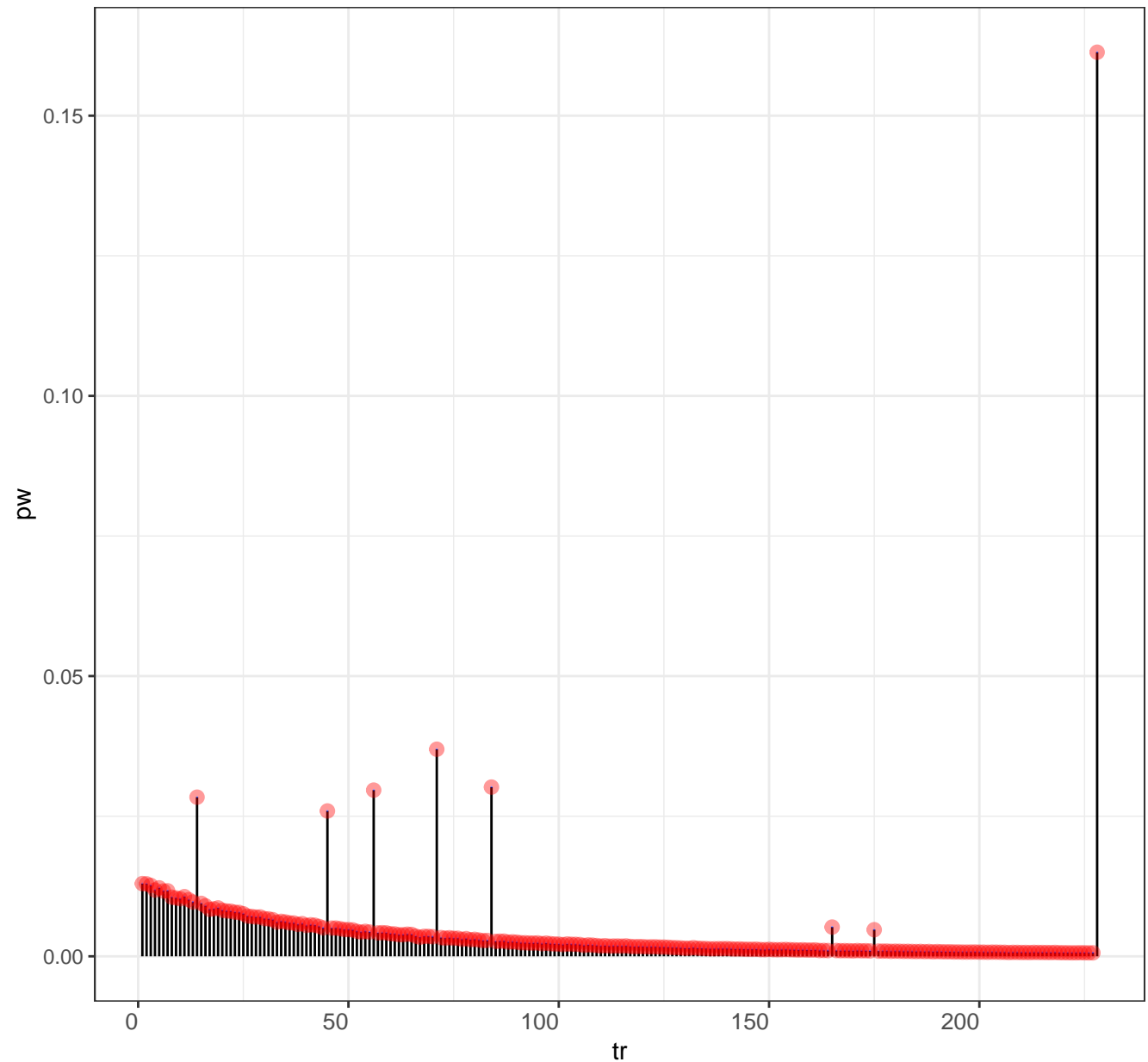
Number of iterations: 5000 burnin: 2000 number of samples: 500

Trace plot for the sigma for S=20 r=15 true K=8 type=4



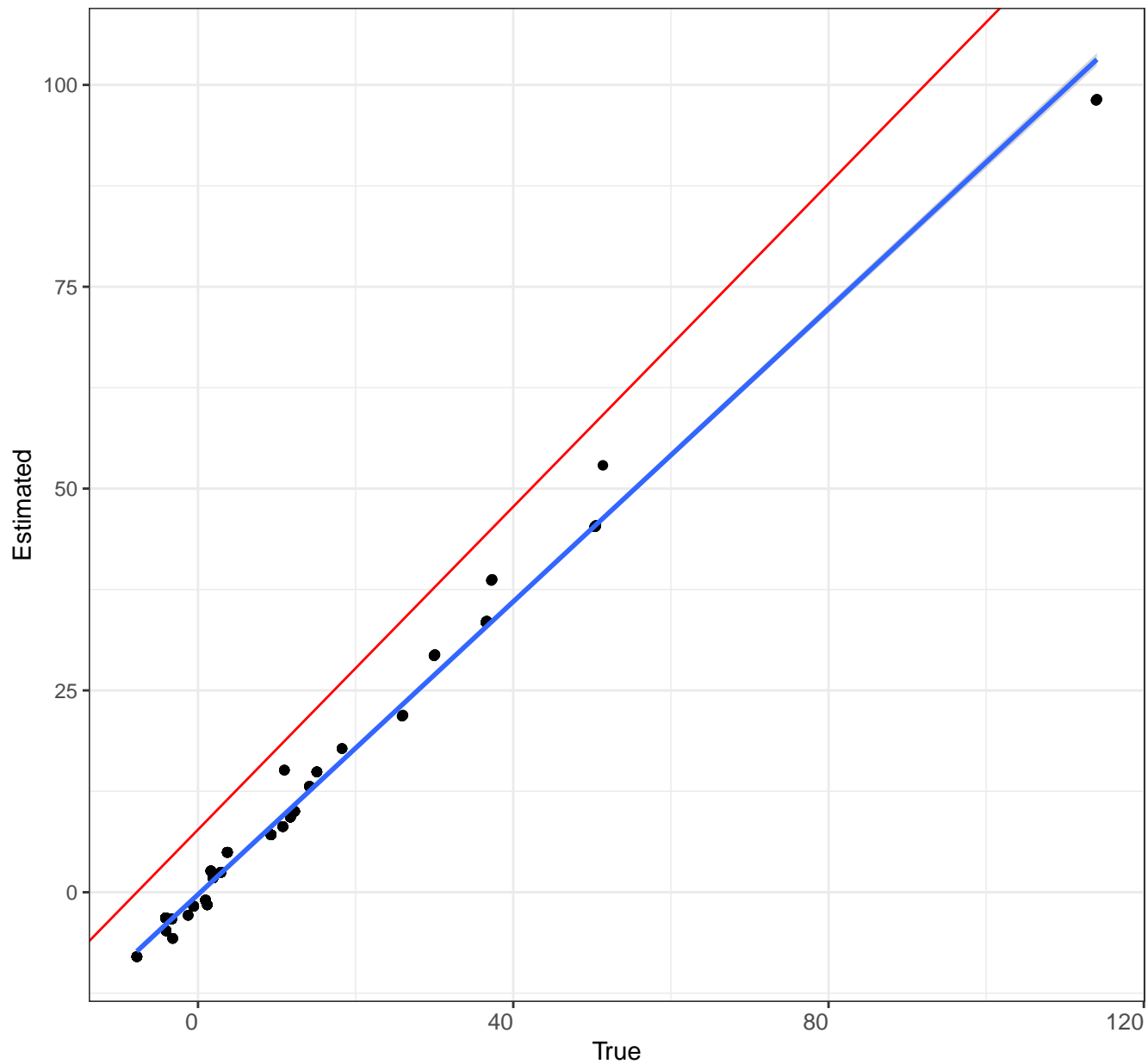
Number of iterations: 5000 burnin: 2000number of samples: 500

Weights for the case:  $S=20$  , $r=15$  true gr  $K=8$  ,type=4 , $N=229$   $pN=0.161$



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

True vs estimated covariance parameters



Number of iterations: 5000 burnin: 2000number of samples: 500S=20 r=15 true K=8 type=4