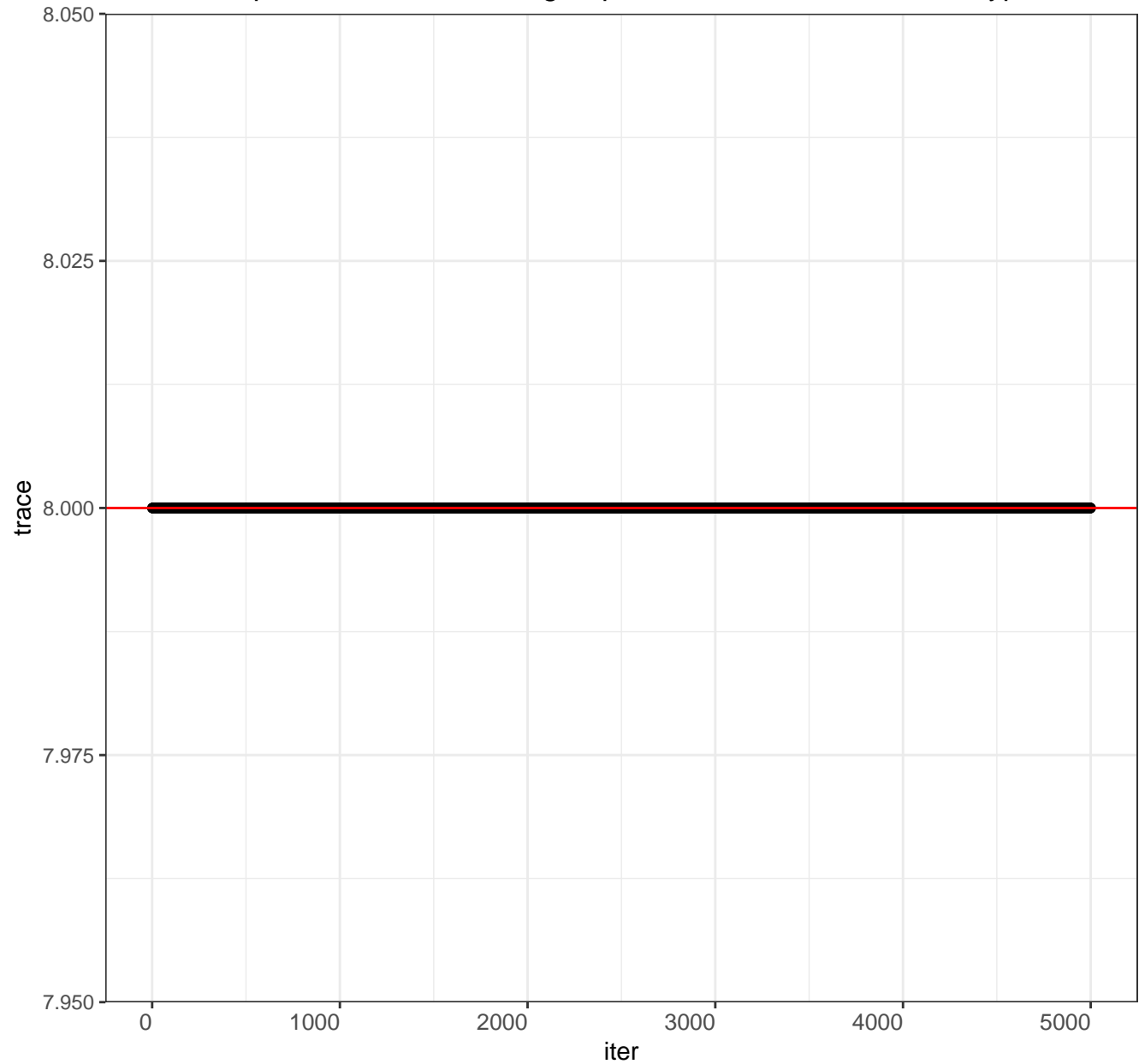




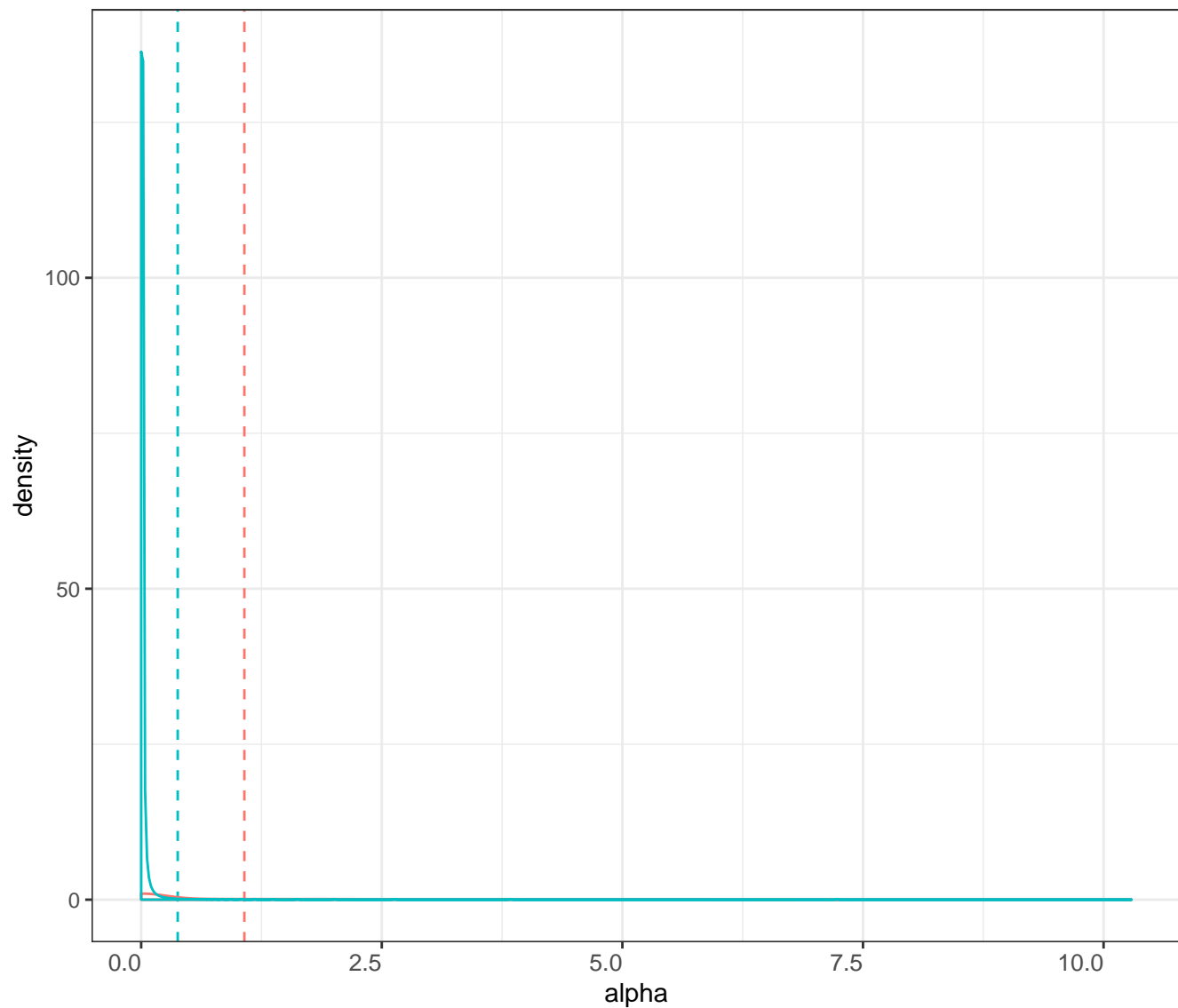
Trace plot for the number of groups K for S=50 r=20 true K=8 type=4



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

Distribution alpha: S=50 ,r=20 true gr K=8 ,type=4 ,N=41

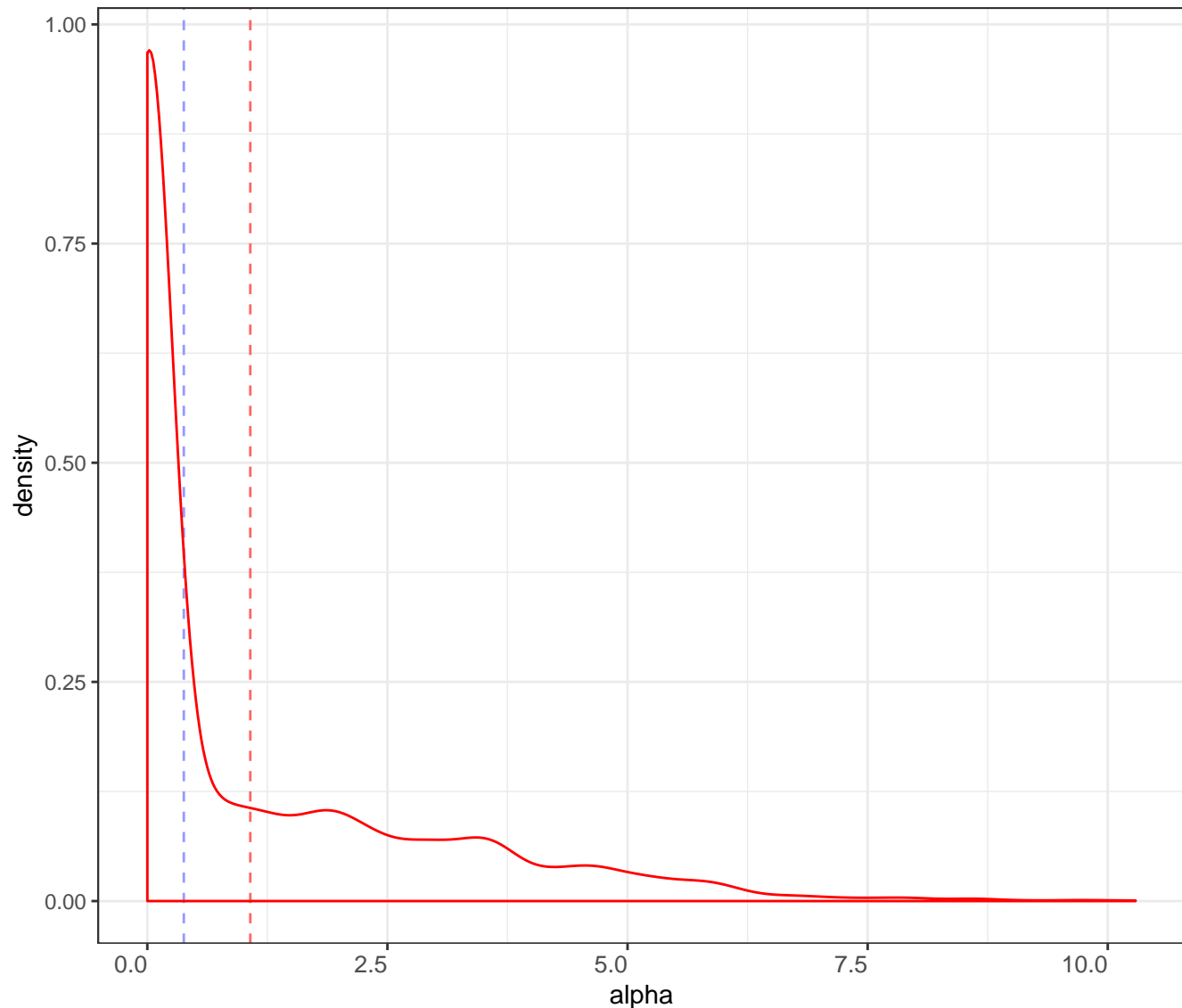
type  posterior  prior



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

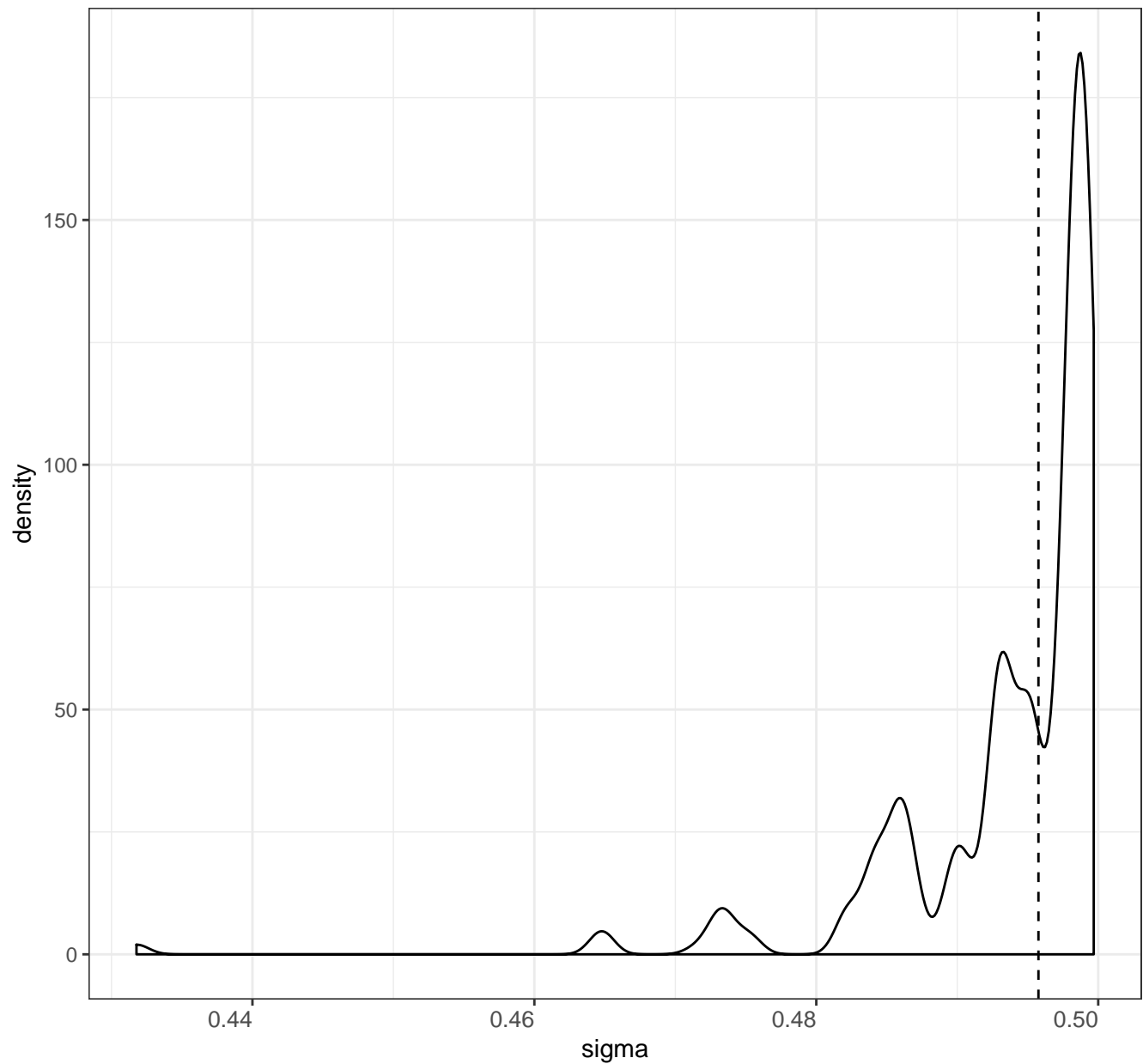
Posterior distribution for alpha

Legend posterior mean prior mean



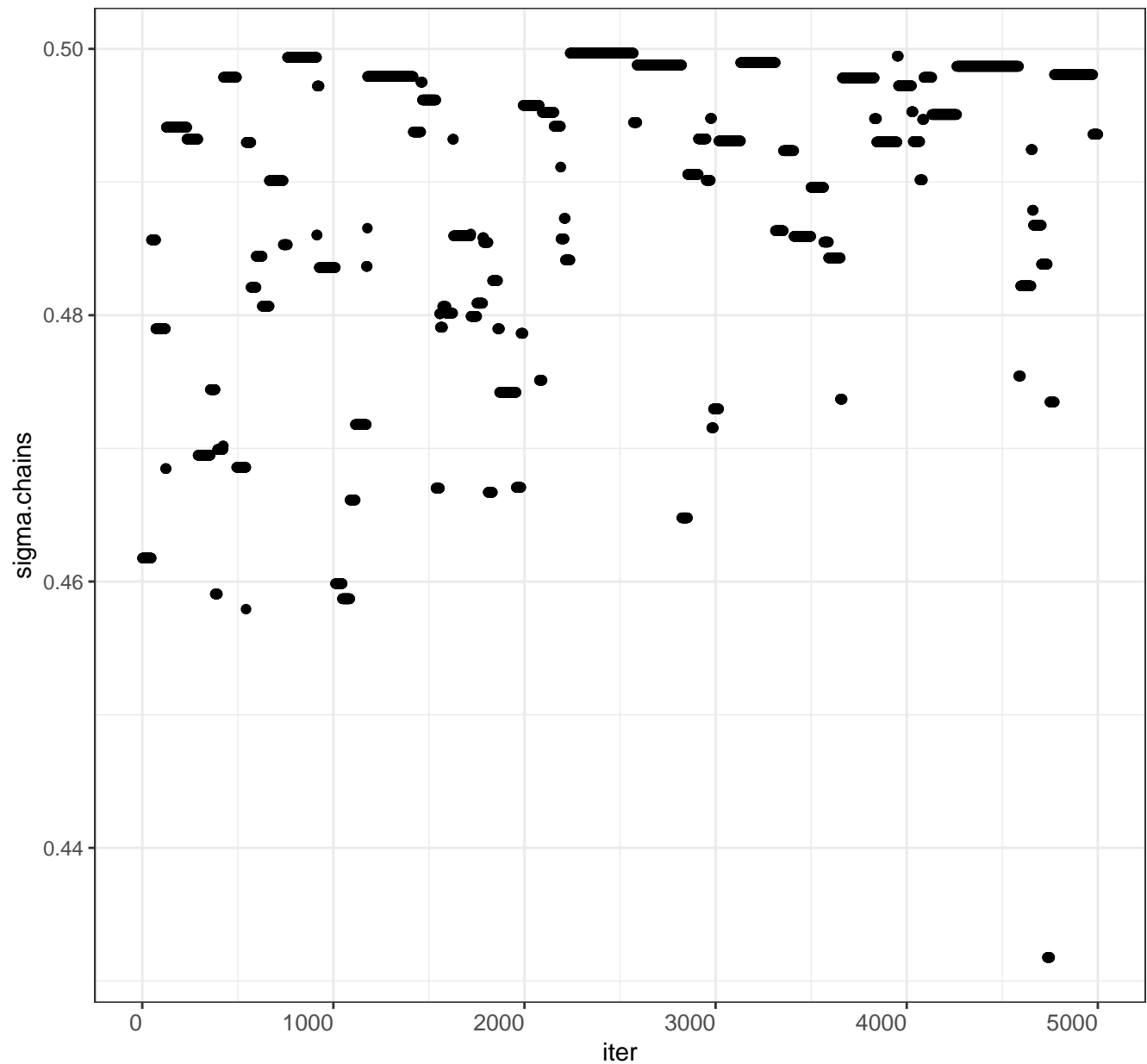
Number of iterations: 5000 burnin: 2000 number of samples: 500 S=50 ,r=20 true gr K=8 ,type=4 ,N=41

Distribution sigma: S=50 ,r=20 true gr K=8 ,type=4 ,N=41

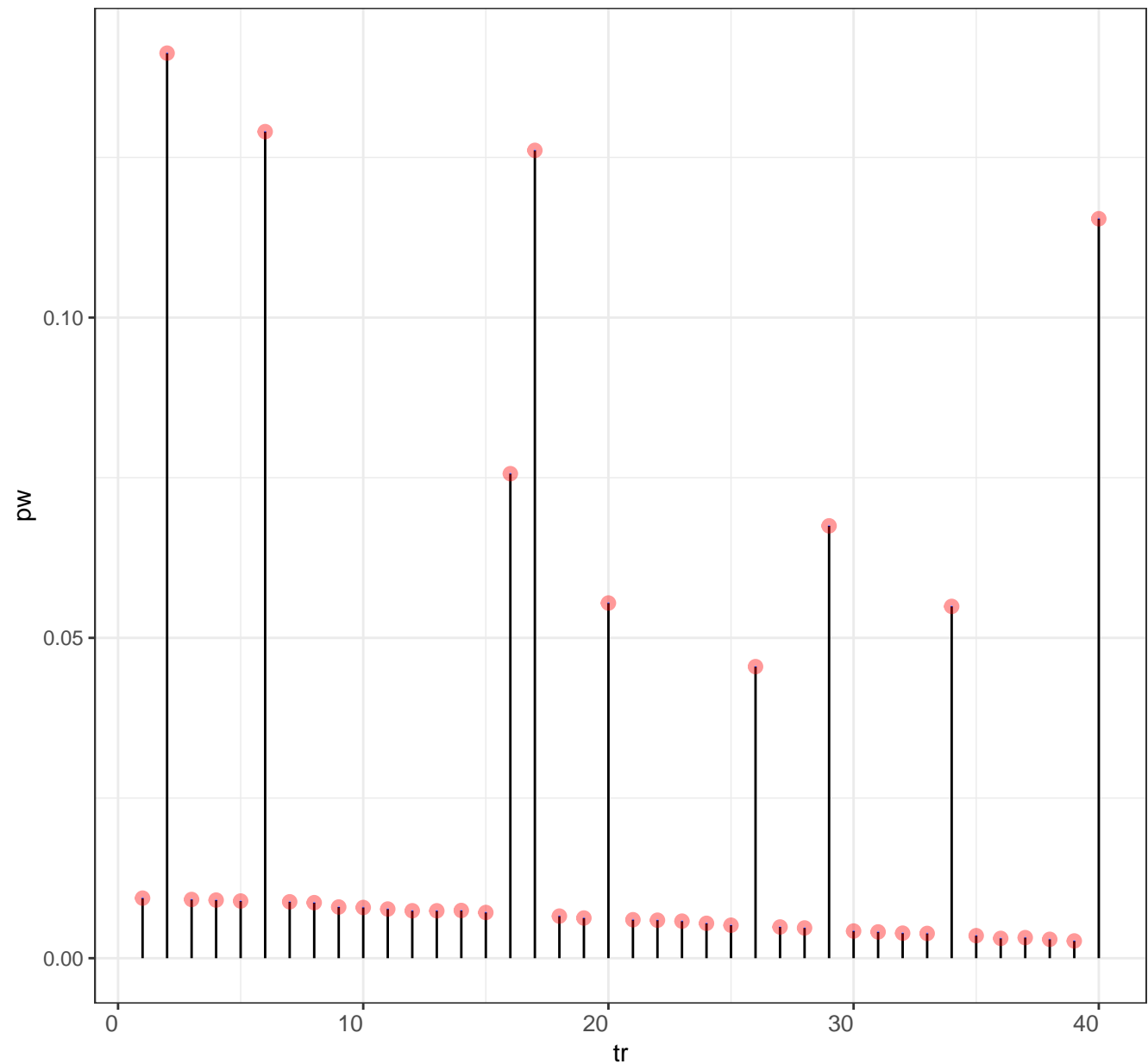


Number of iterations: 5000 burnin: 2000 number of samples: 500

Trace plot for the sigma for S=50 r=20 true K=8 type=4

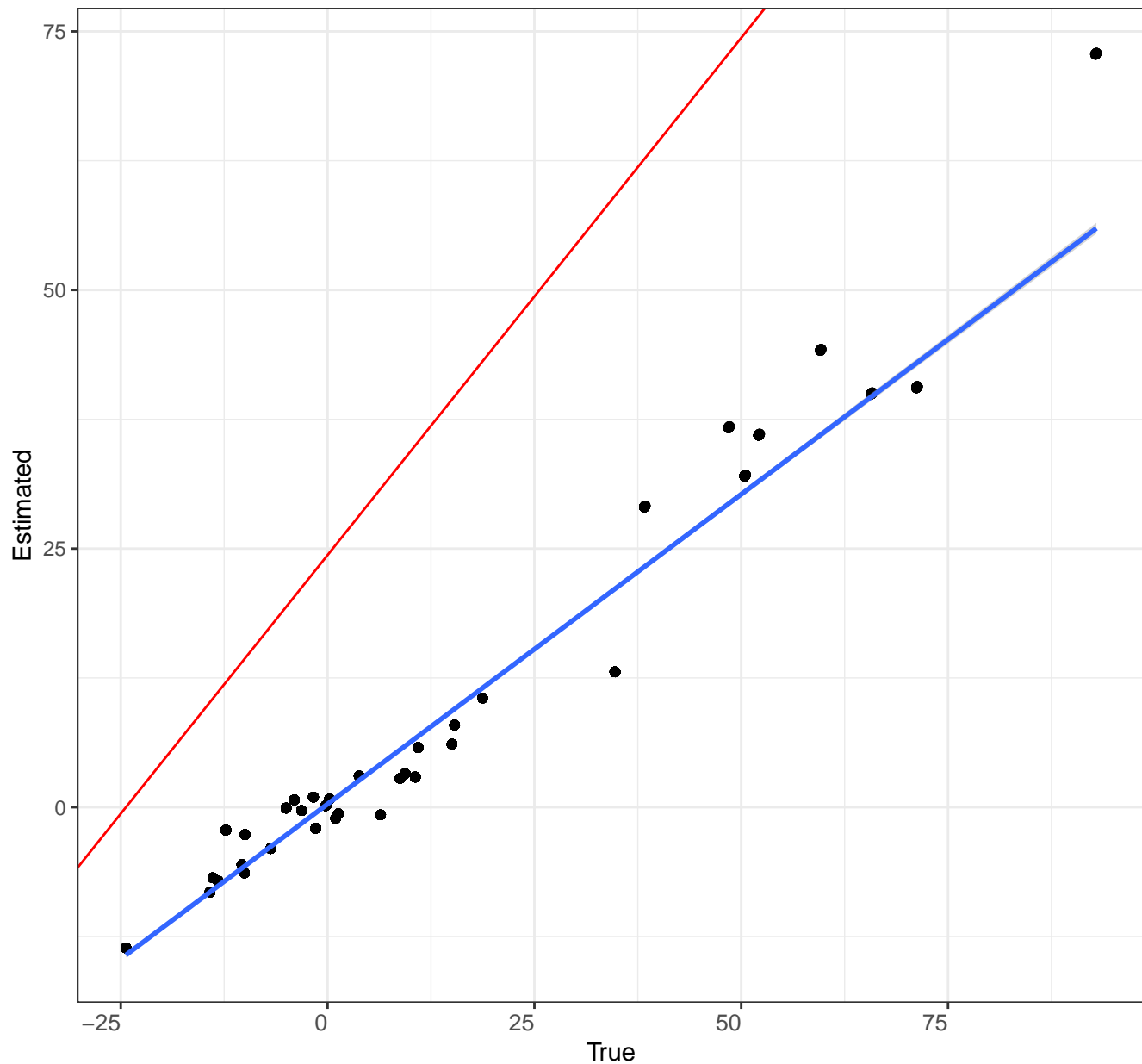


Weights for the case: $S=50$, $r=20$ true gr $K=8$,type=4 , $N=41$ $pN=0.115$



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

True vs estimated covariance parameters



Number of iterations: 5000 burnin: 2000number of samples: 500S=50 r=20 true K=8 type=4