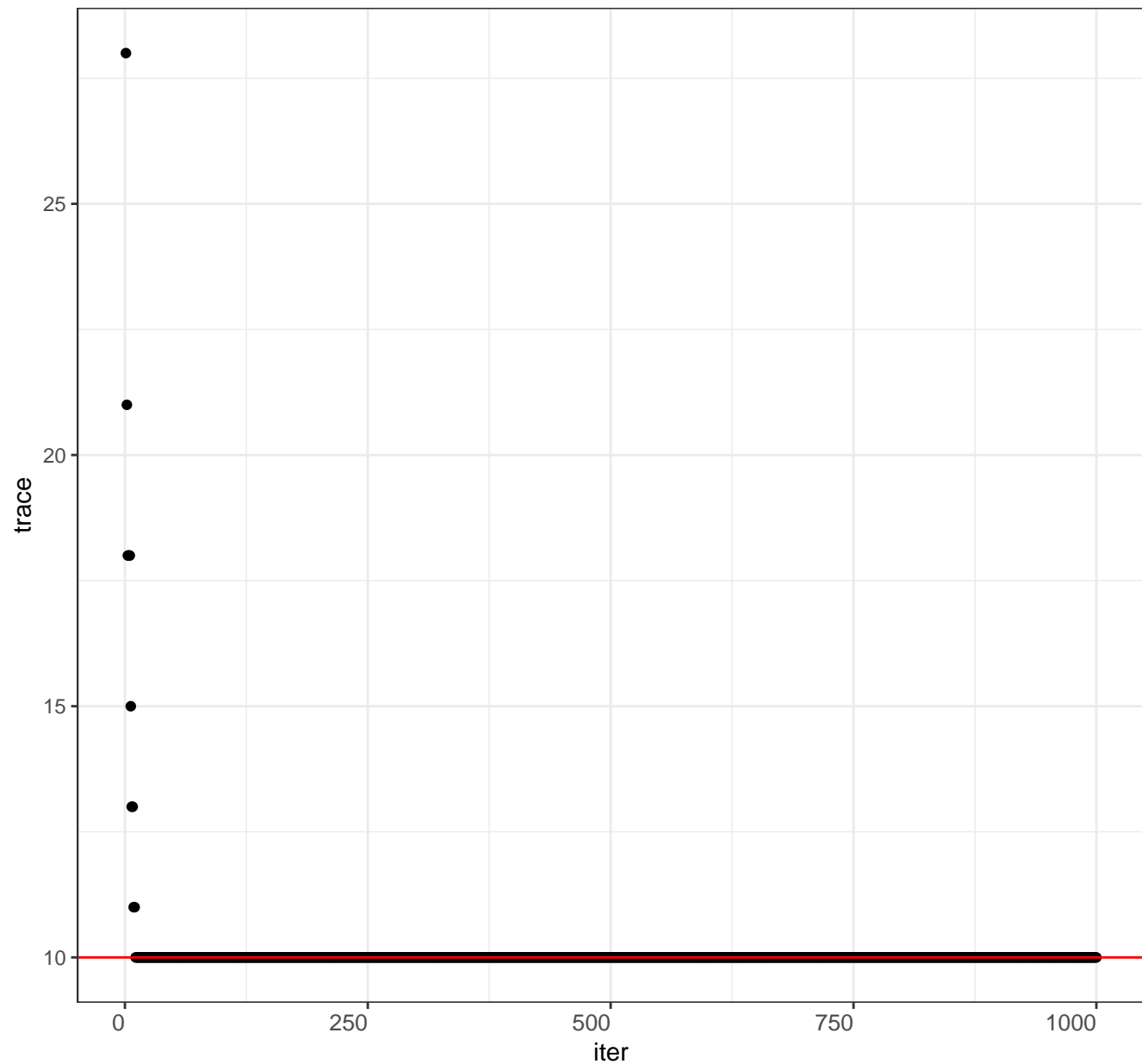




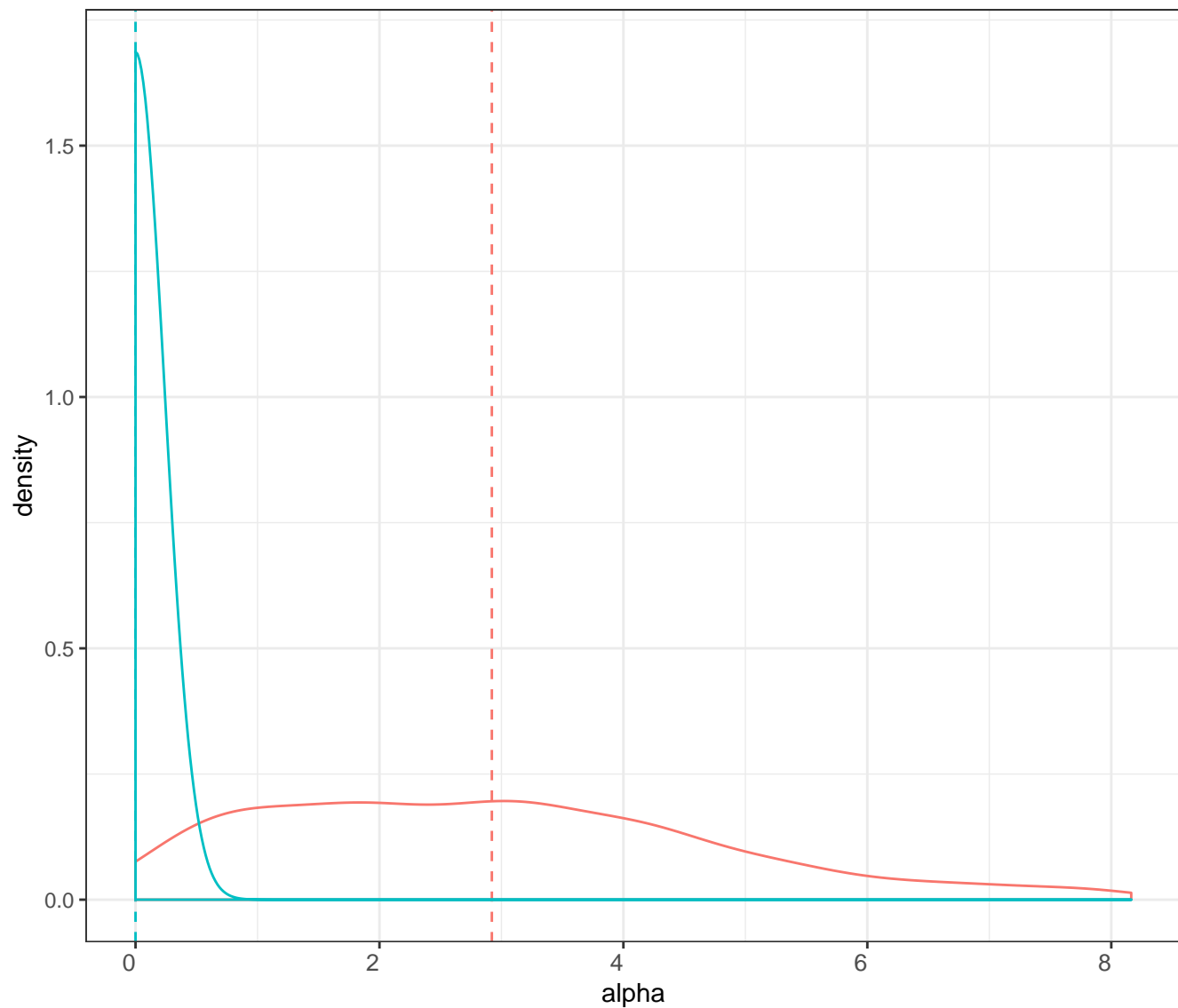
Trace plot for the number of groups K for S=500 r=5 true K=10 type=4



Number of iterations: 1000 burnin: 200number of samples: 500

Distribution alpha: S=500 ,r=5 true gr K=10 ,type=4 ,N=204

type  posterior  prior



Number of iterations: 1000 burnin: 200 number of samples: 500

Posterior distribution for alpha

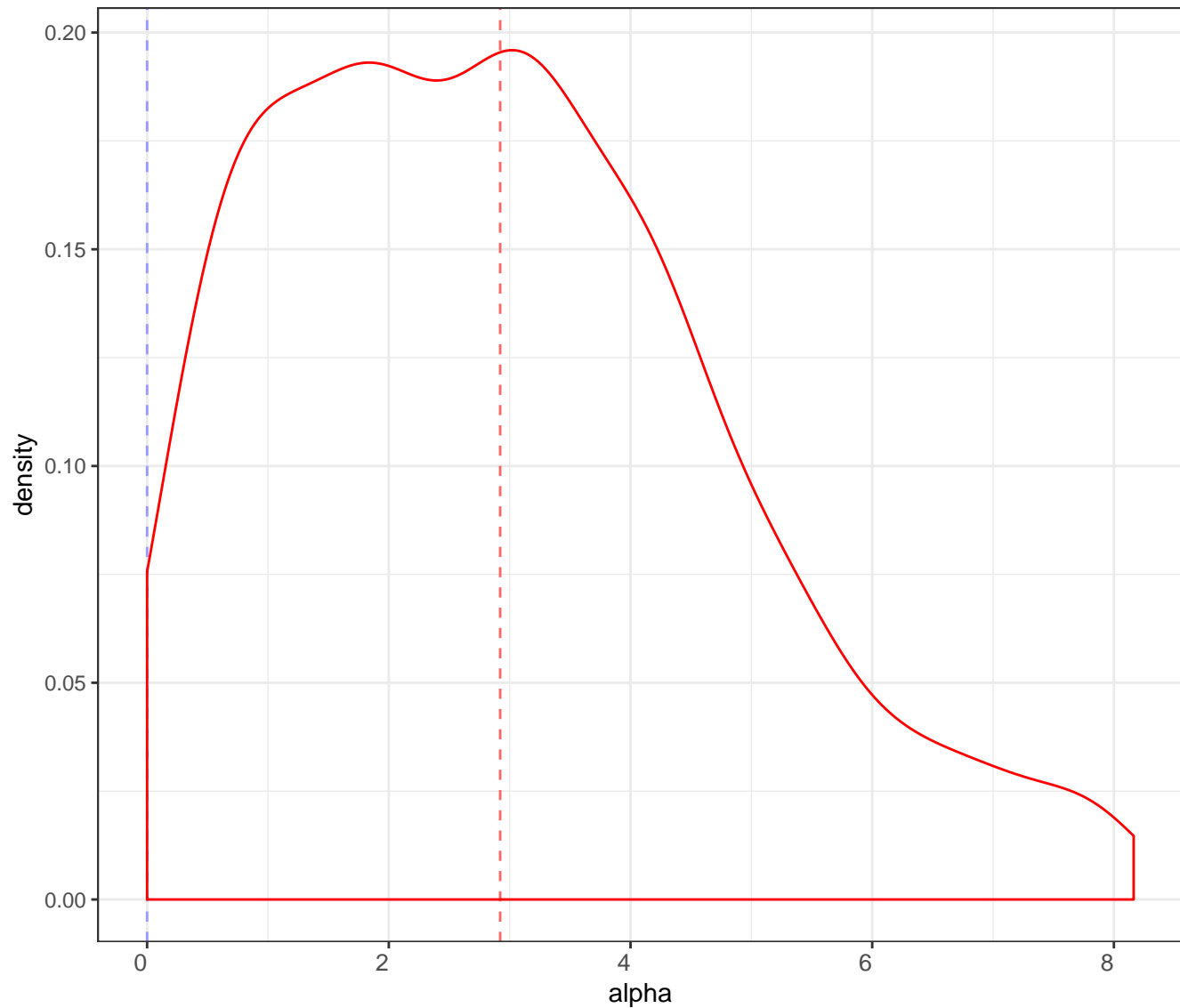
Legend



posterior mean

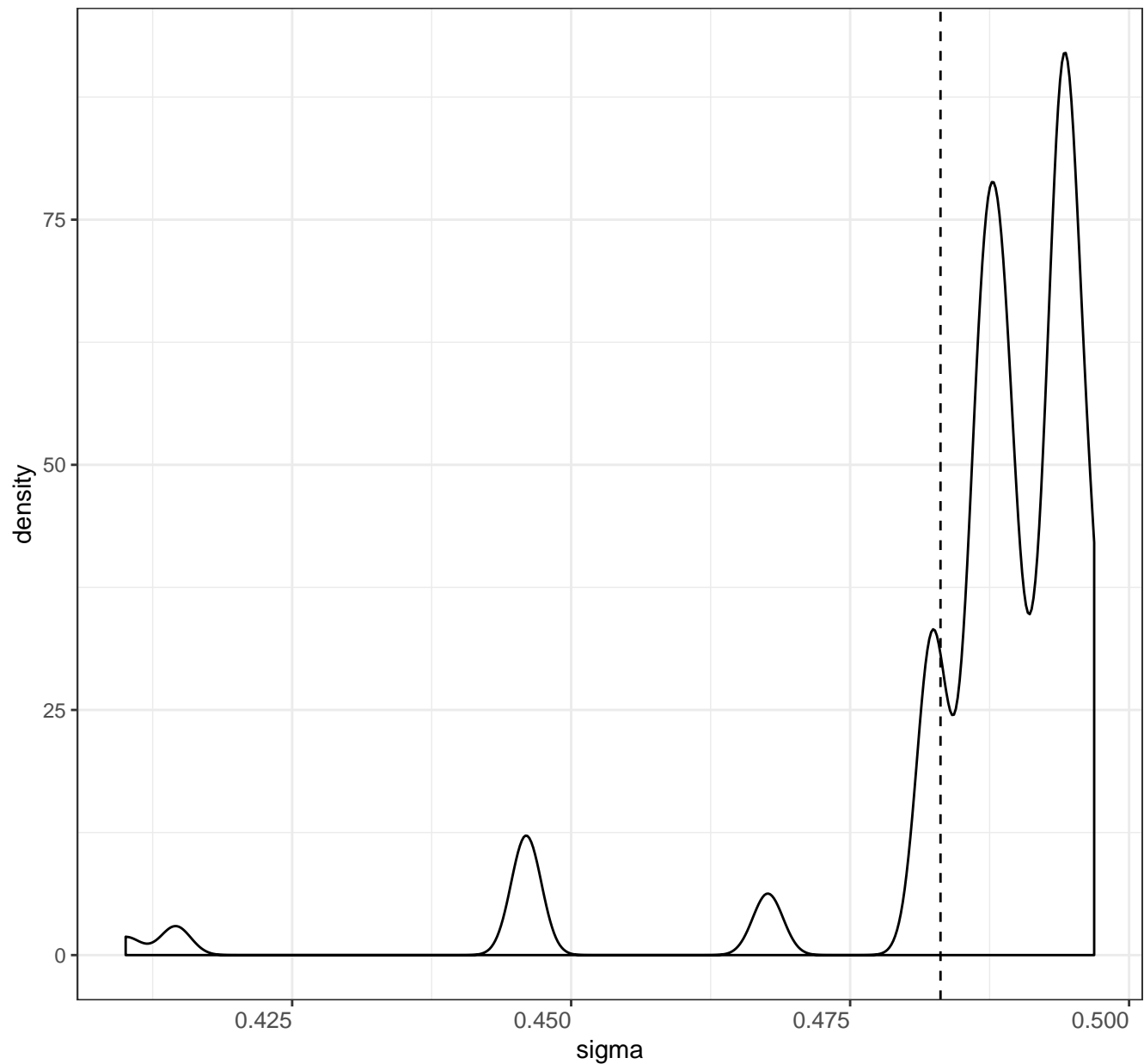


prior mean



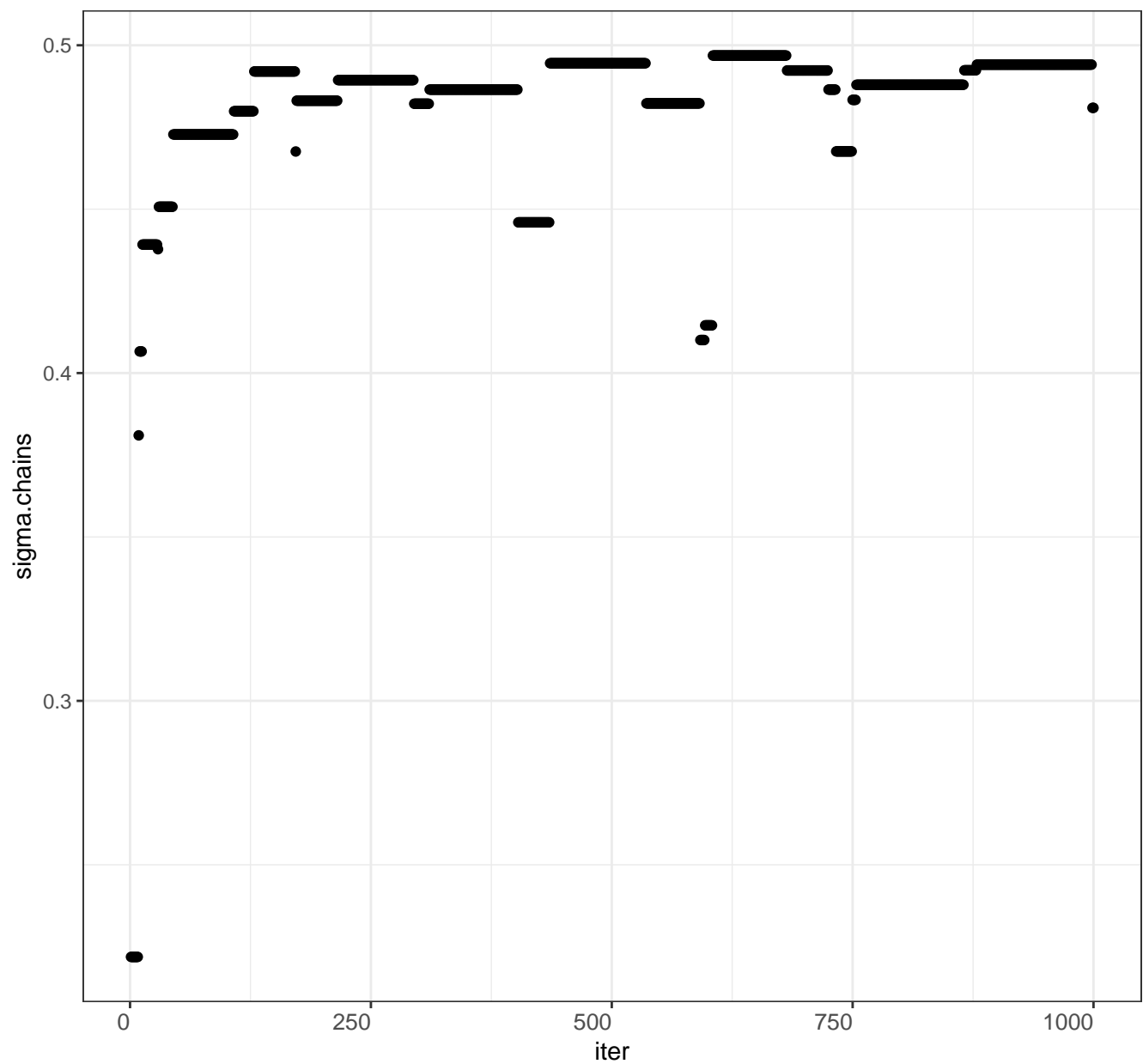
Number of iterations: 1000 burnin: 200 number of samples: 500 S=500 ,r=5 true gr K=10 ,type=4 ,N=204

Distribution sigma: S=500 ,r=5 true gr K=10 ,type=4 ,N=204



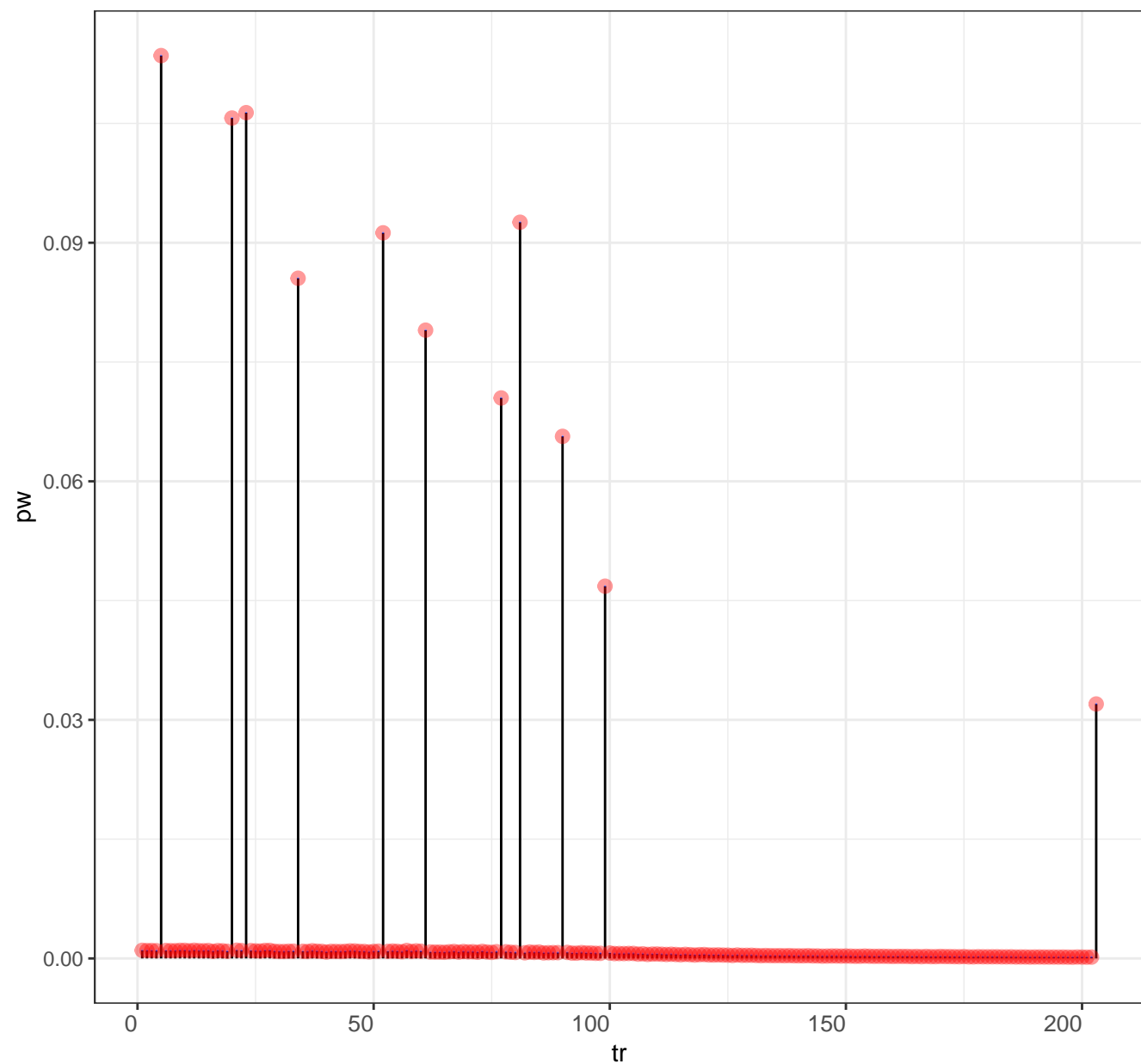
Number of iterations: 1000 burnin: 200 number of samples: 500

Trace plot for the sigma for S=500 r=5 true K=10 type=4



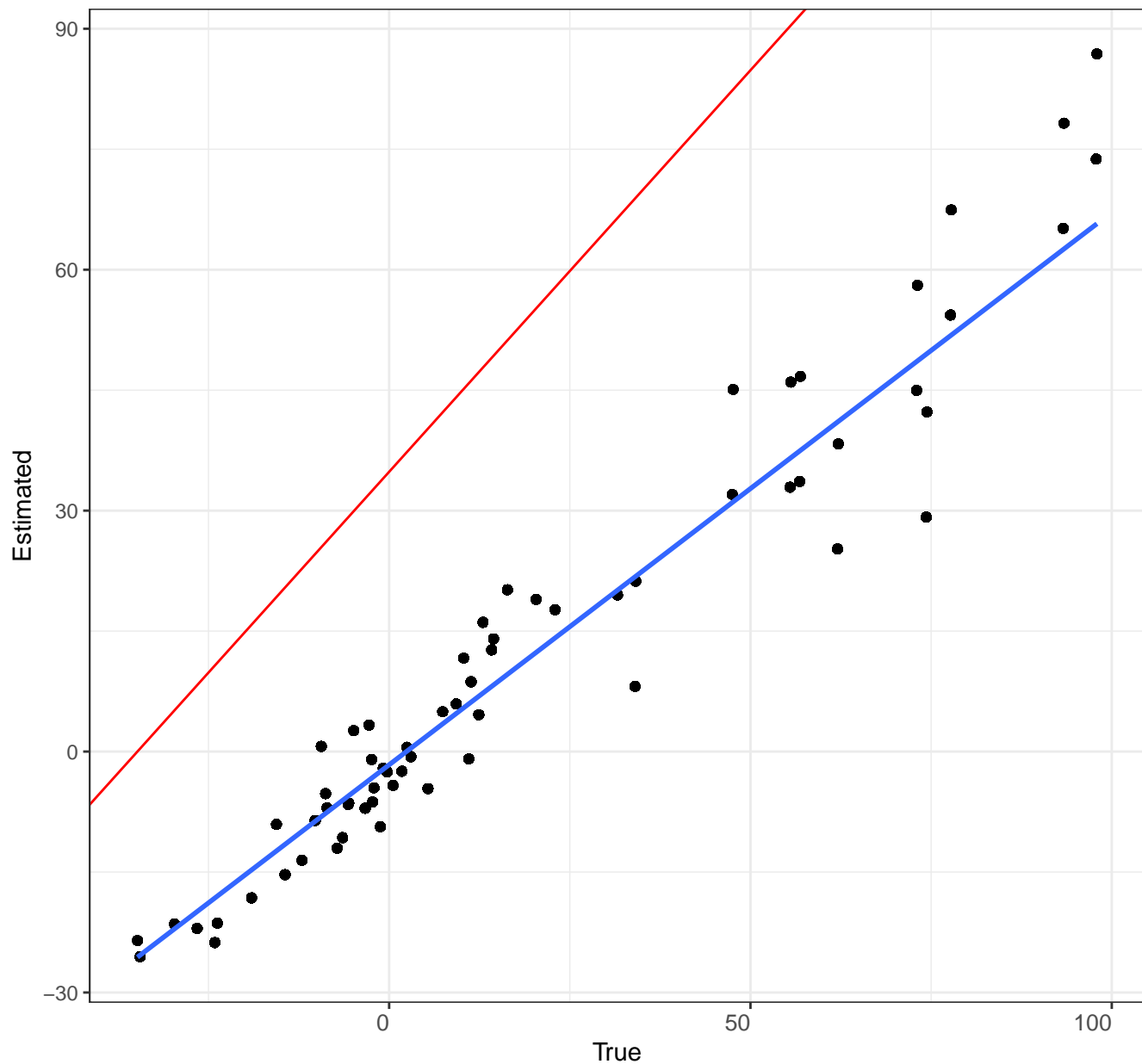
Number of iterations: 1000 burnin: 200number of samples: 500

Weights for the case: $S=500$, $r=5$ true gr $K=10$,type=4 , $N=204$ $pN=0.032$



Number of iterations: 1000 burnin: 200 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 1000 burnin: 200number of samples: 500S=500 r=5 true K=10 type=4