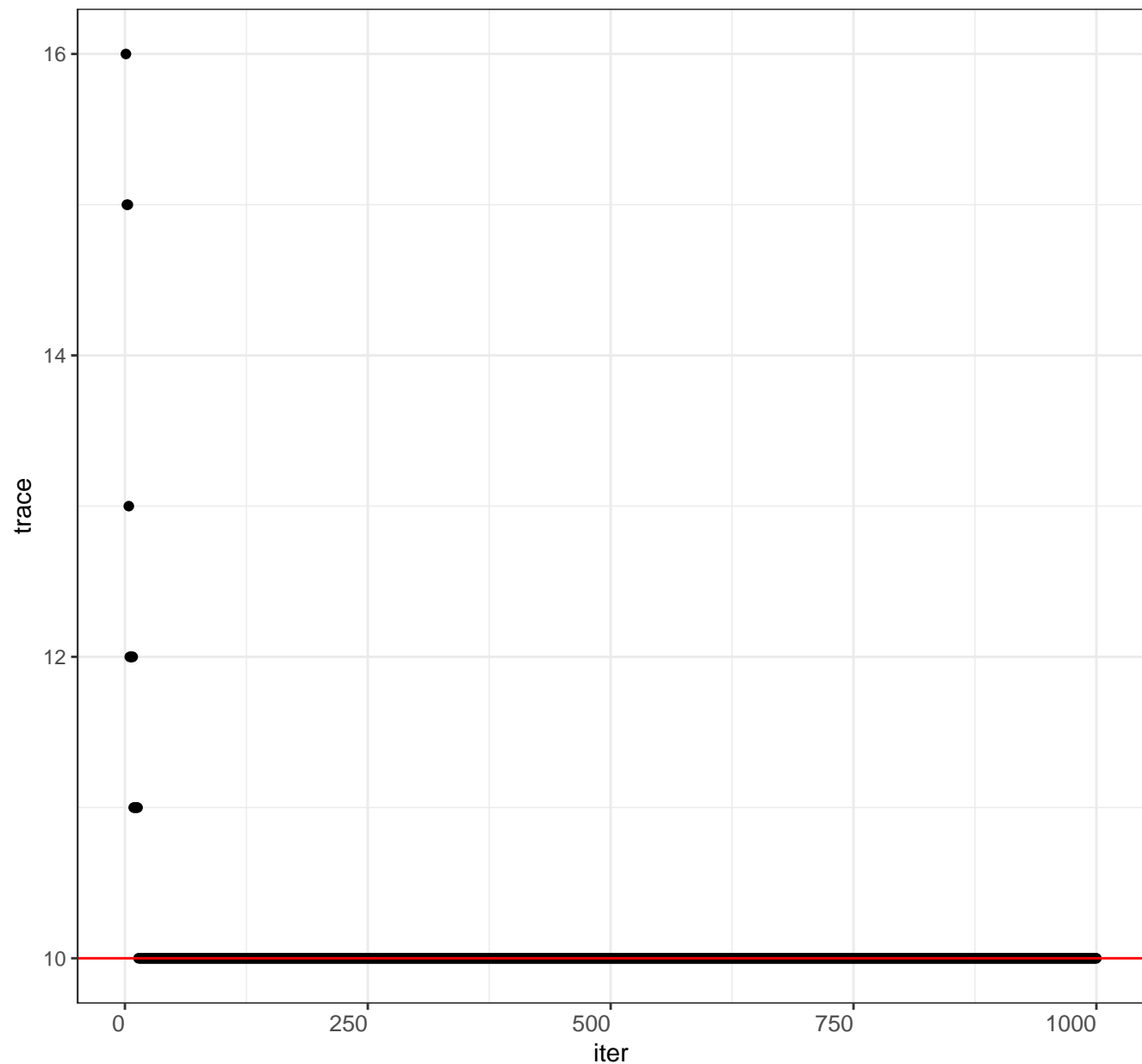




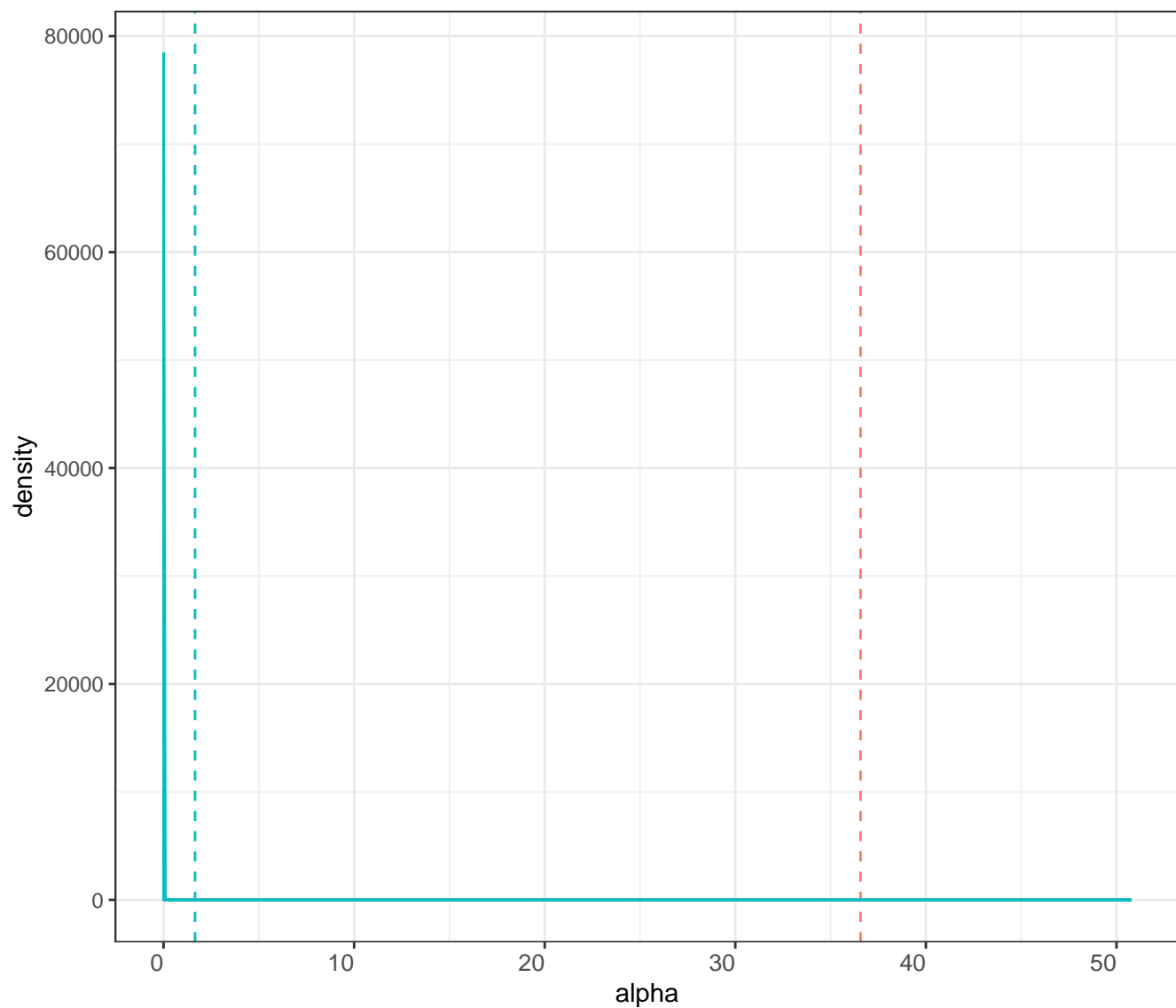
Trace plot for the number of groups K for S=500 r=5 true K=10 type=1



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

Distribution alpha: S=500 ,r=5 true gr K=10 ,type=1 ,N=150

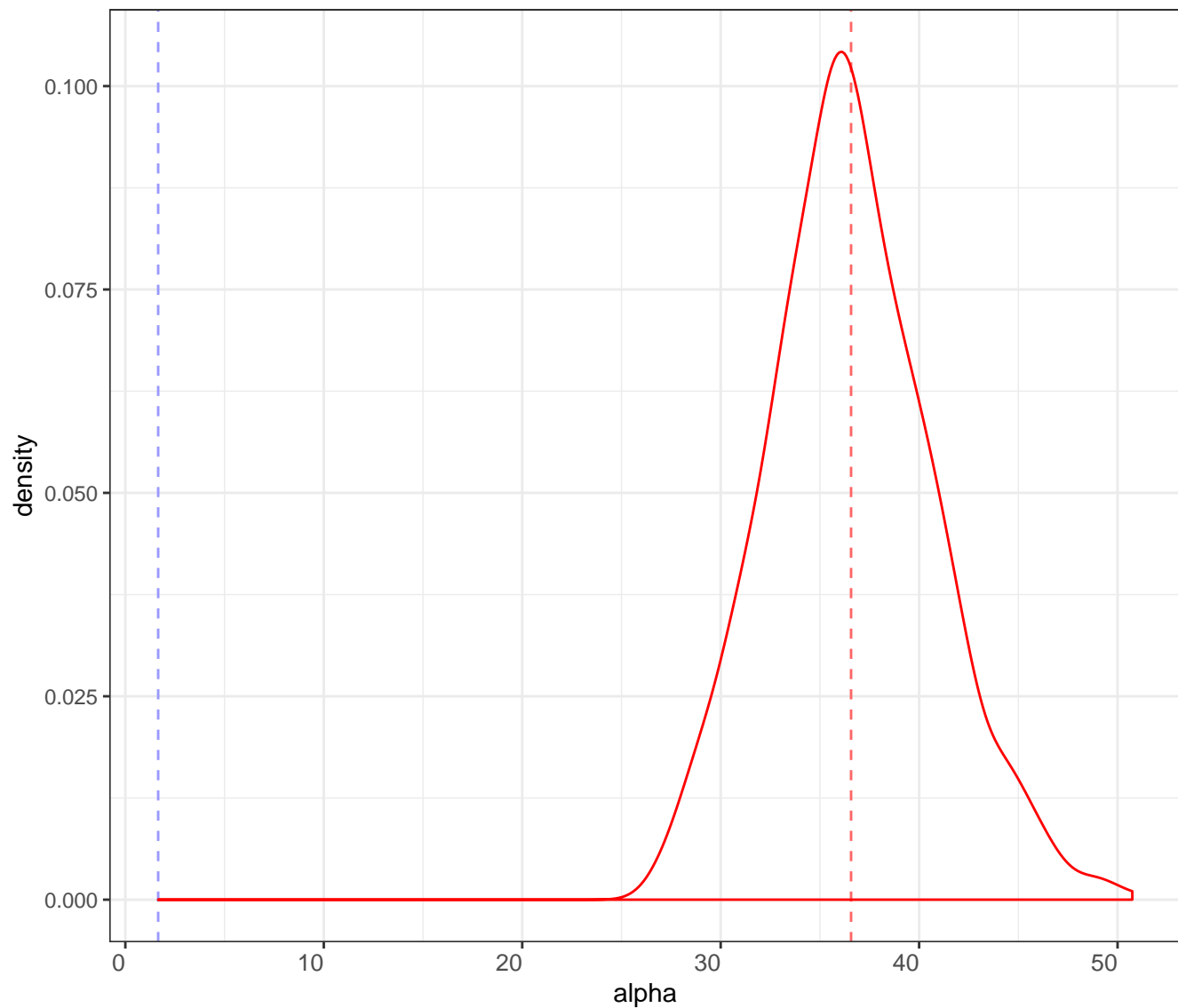
type  posterior  prior



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

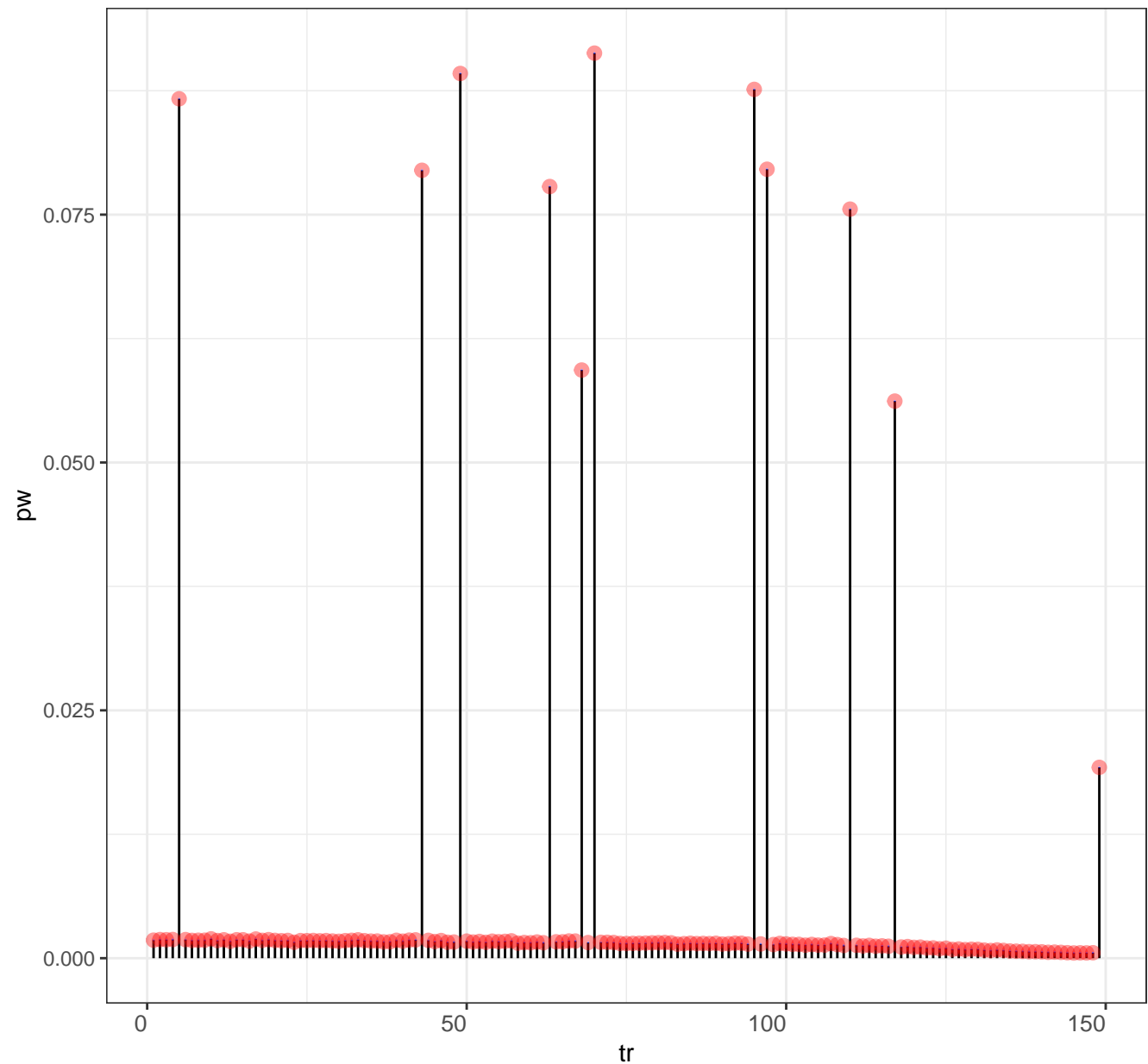
# Posterior distribution for alpha

Legend    posterior mean    prior mean



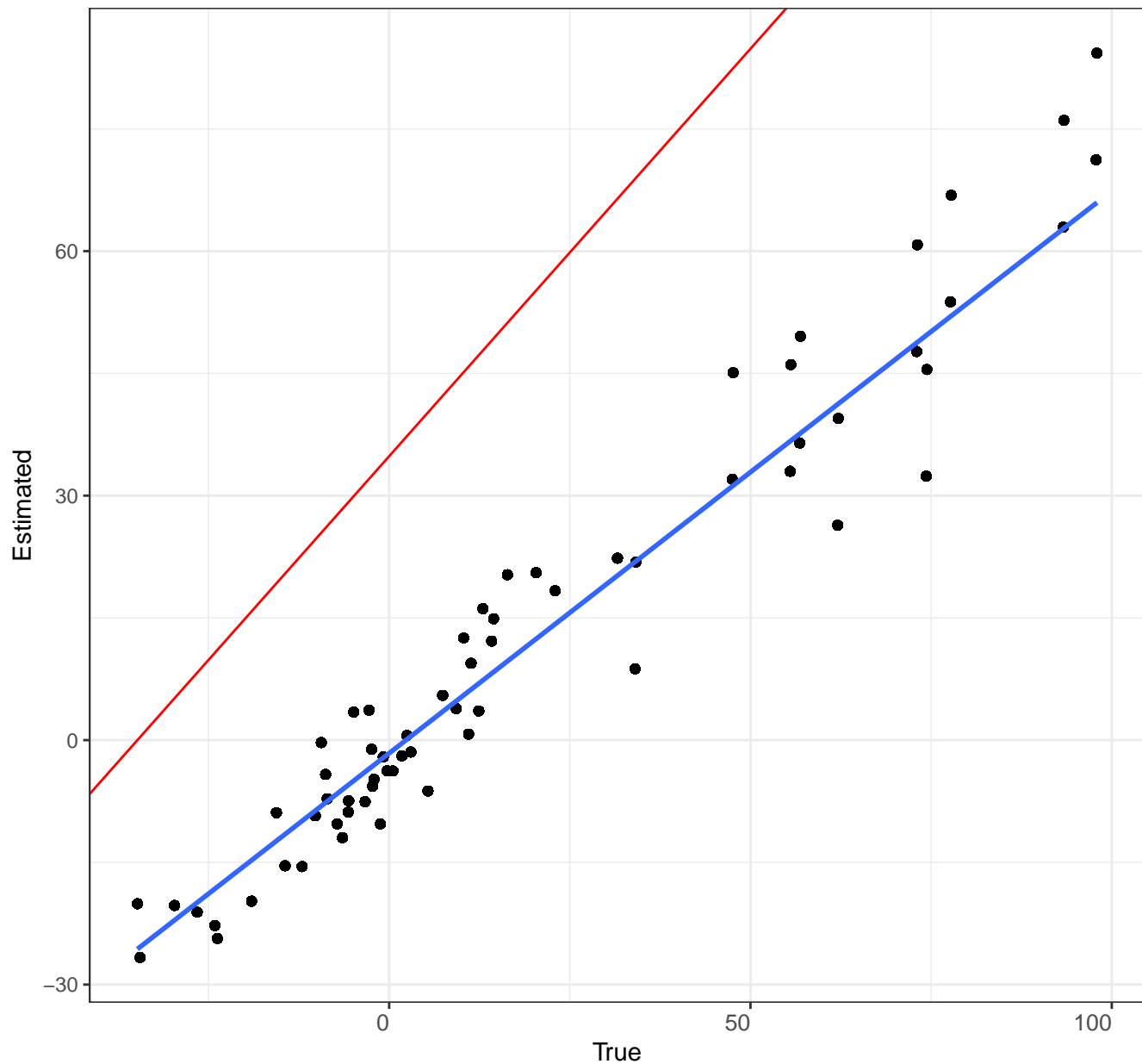
Number of iterations: 1000 burnin: 200 number of samples: 500 S=500 ,r=5 true gr K=10 ,type=1 ,N=150

Weights for the case:  $S=500$ ,  $r=5$  true gr  $K=10$ , type=1,  $N=150$   $pN=0.019$



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=1