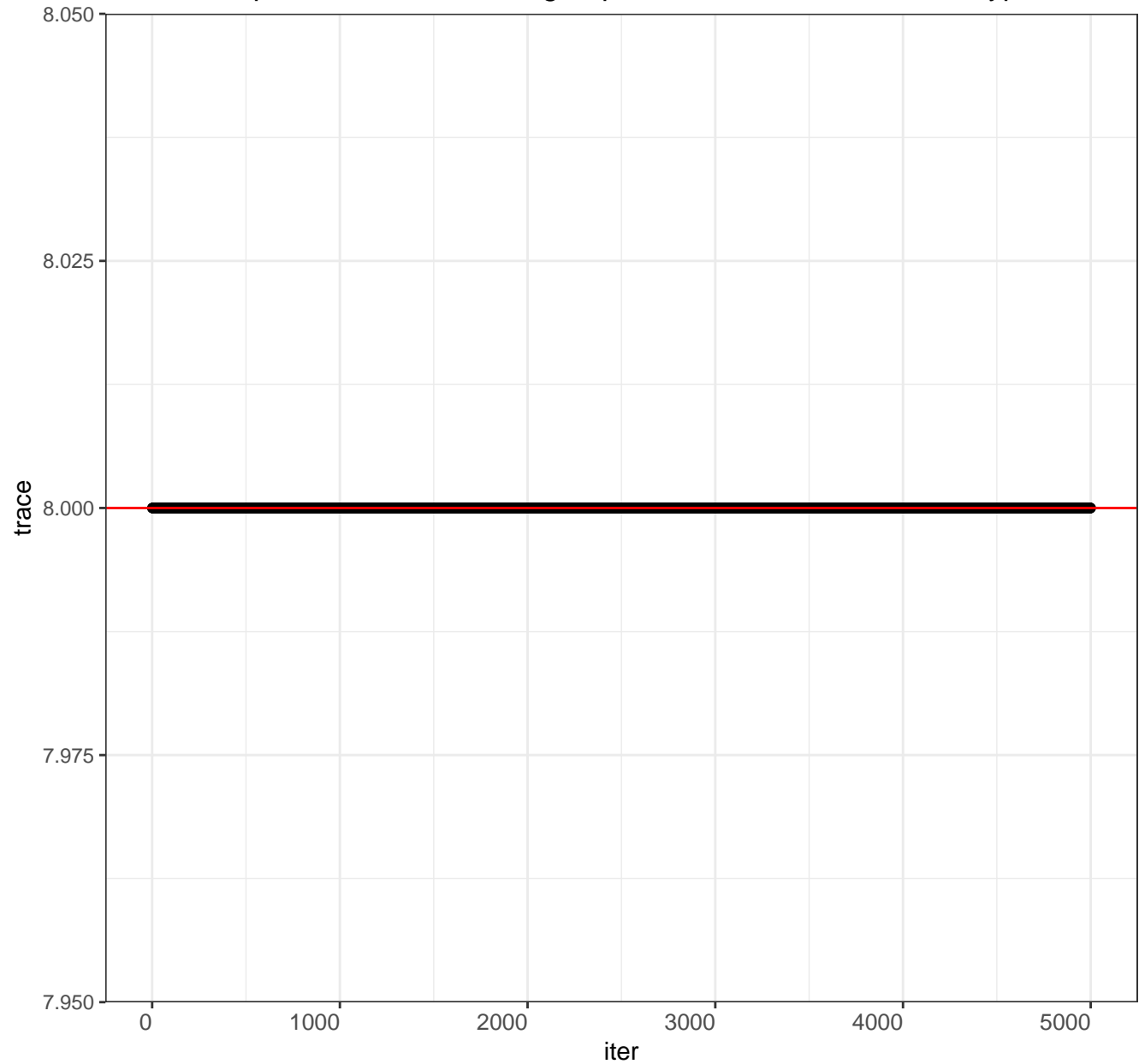




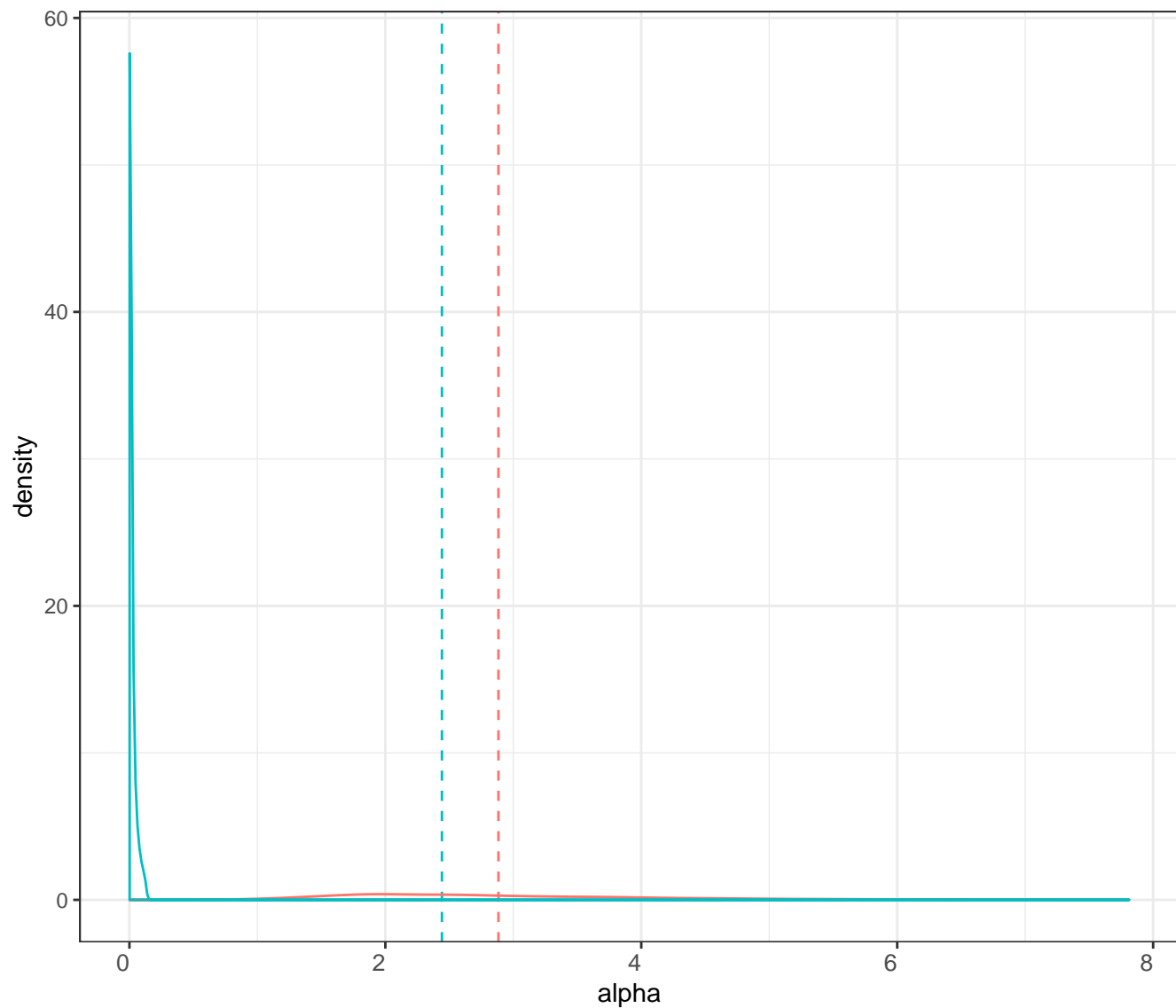
Trace plot for the number of groups K for S=50 r=20 true K=8 type=2



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

Distribution alpha: S=50 ,r=20 true gr K=8 ,type=2 ,N=50

type  posterior  prior



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

# Posterior distribution for alpha

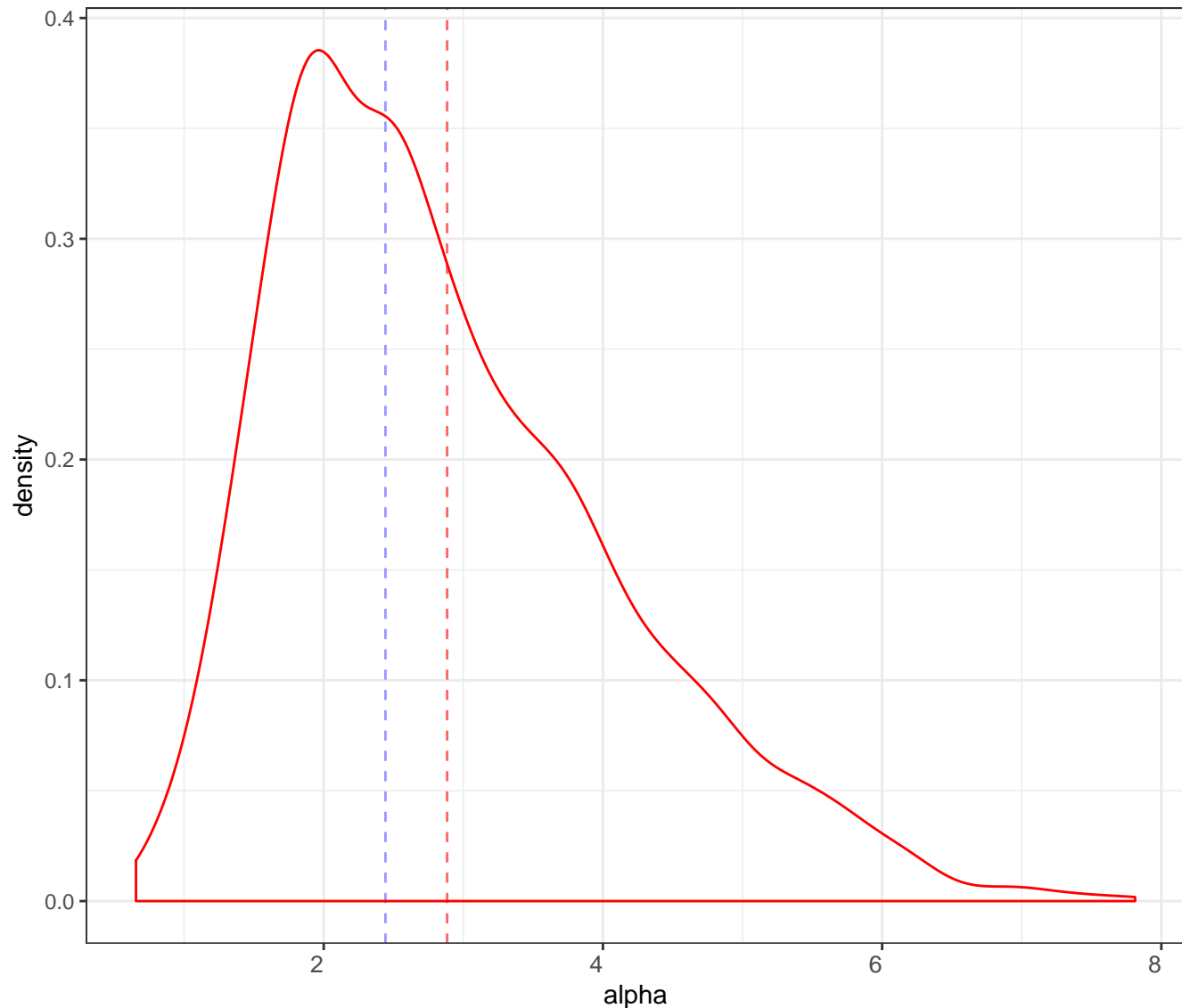
Legend



posterior mean

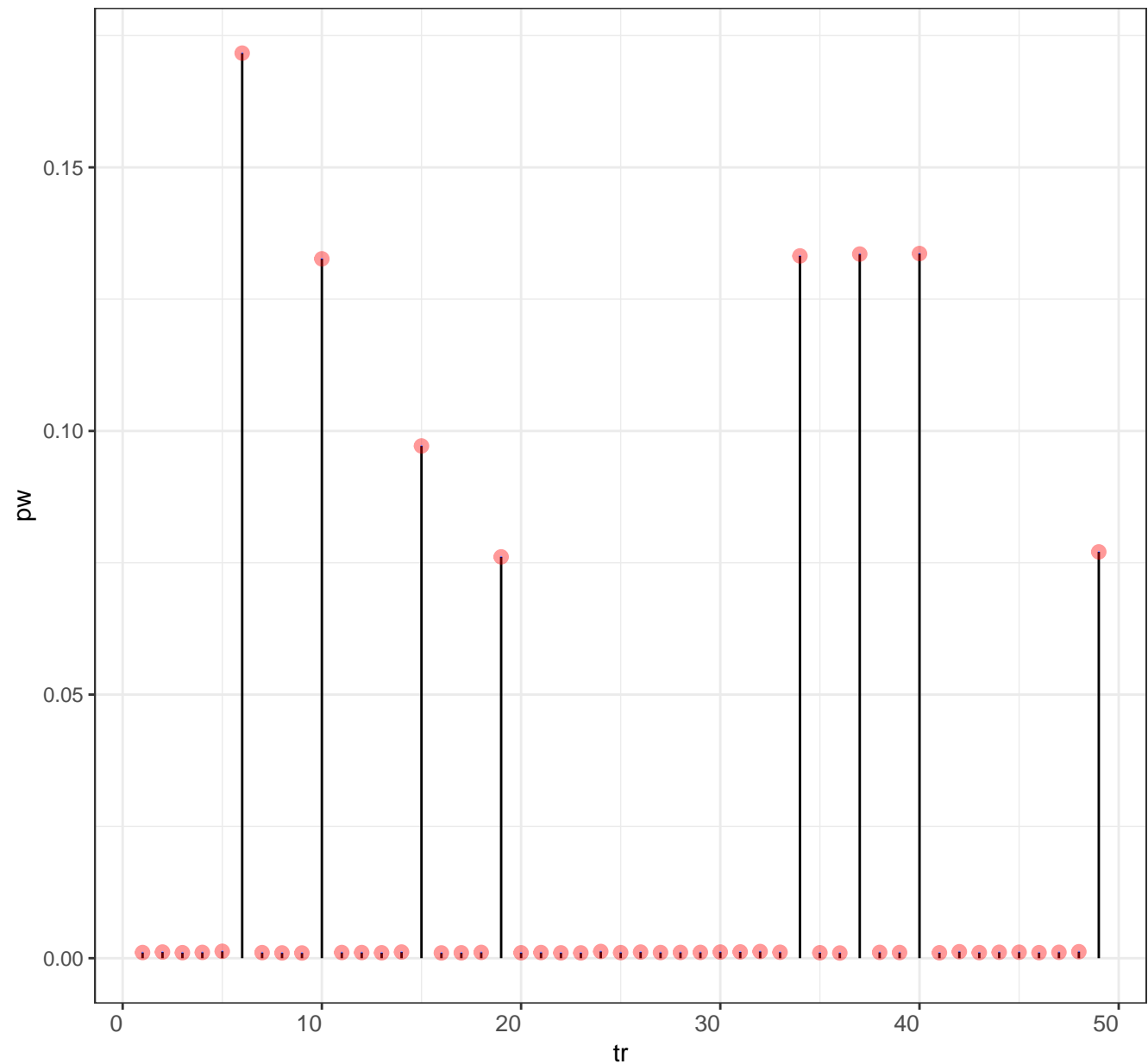


prior mean



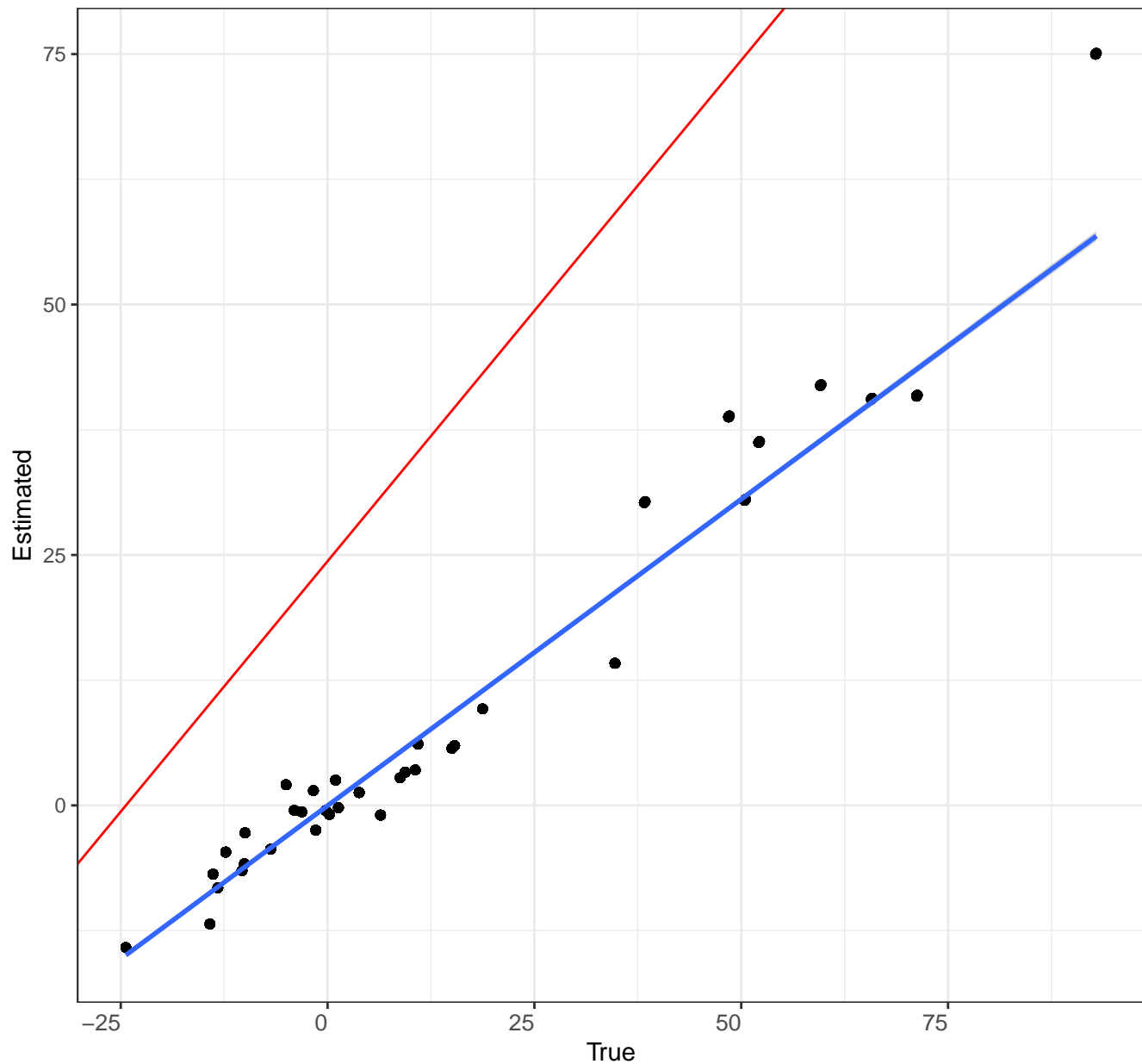
Number of iterations: 5000 burnin: 2000 number of samples: 500 S=50 ,r=20 true gr K=8 ,type=2 ,N=50

Weights for the case:  $S=50$  , $r=20$  true gr  $K=8$  ,type=2 , $N=50$   $pN=0.077$



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=2