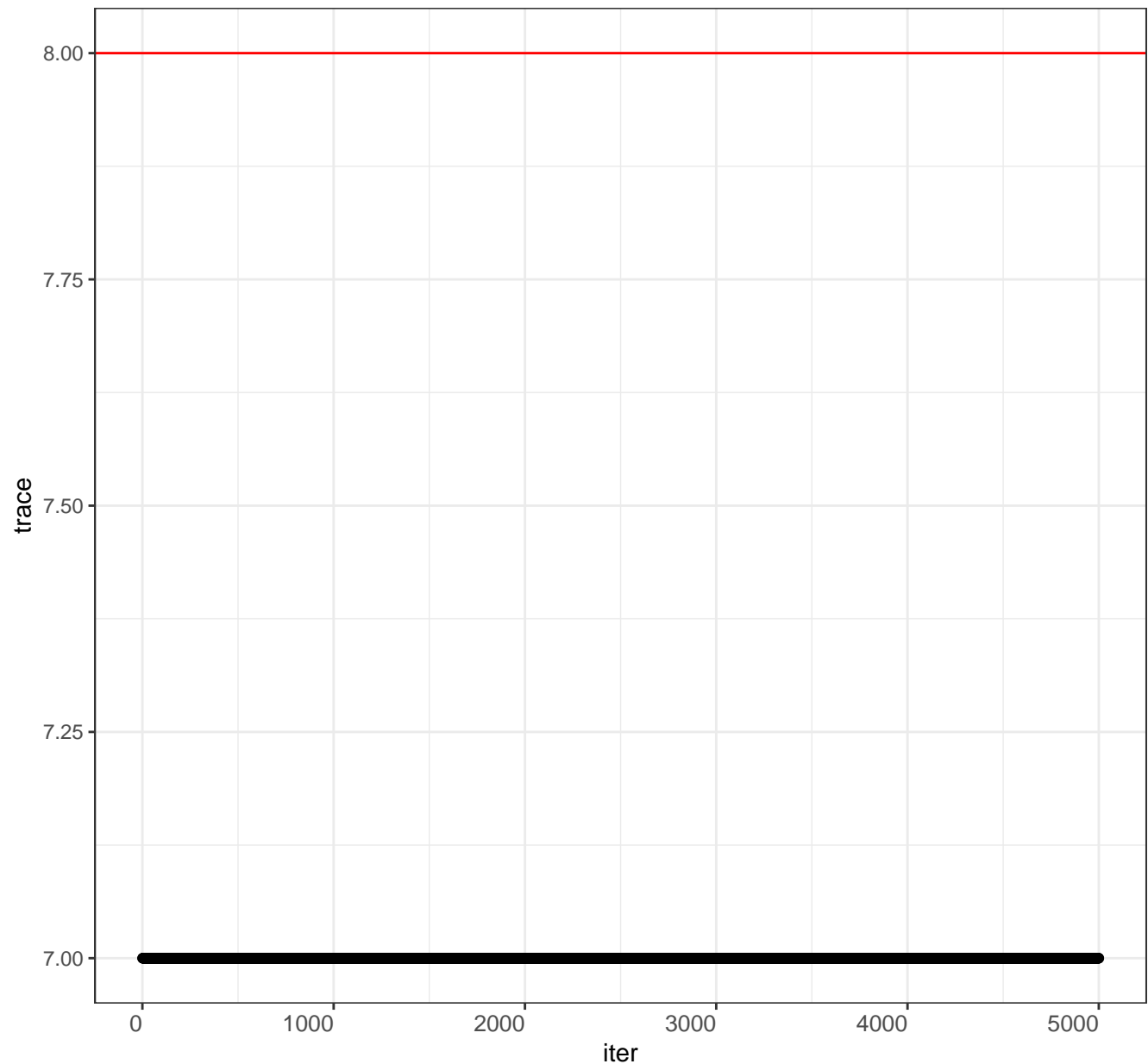




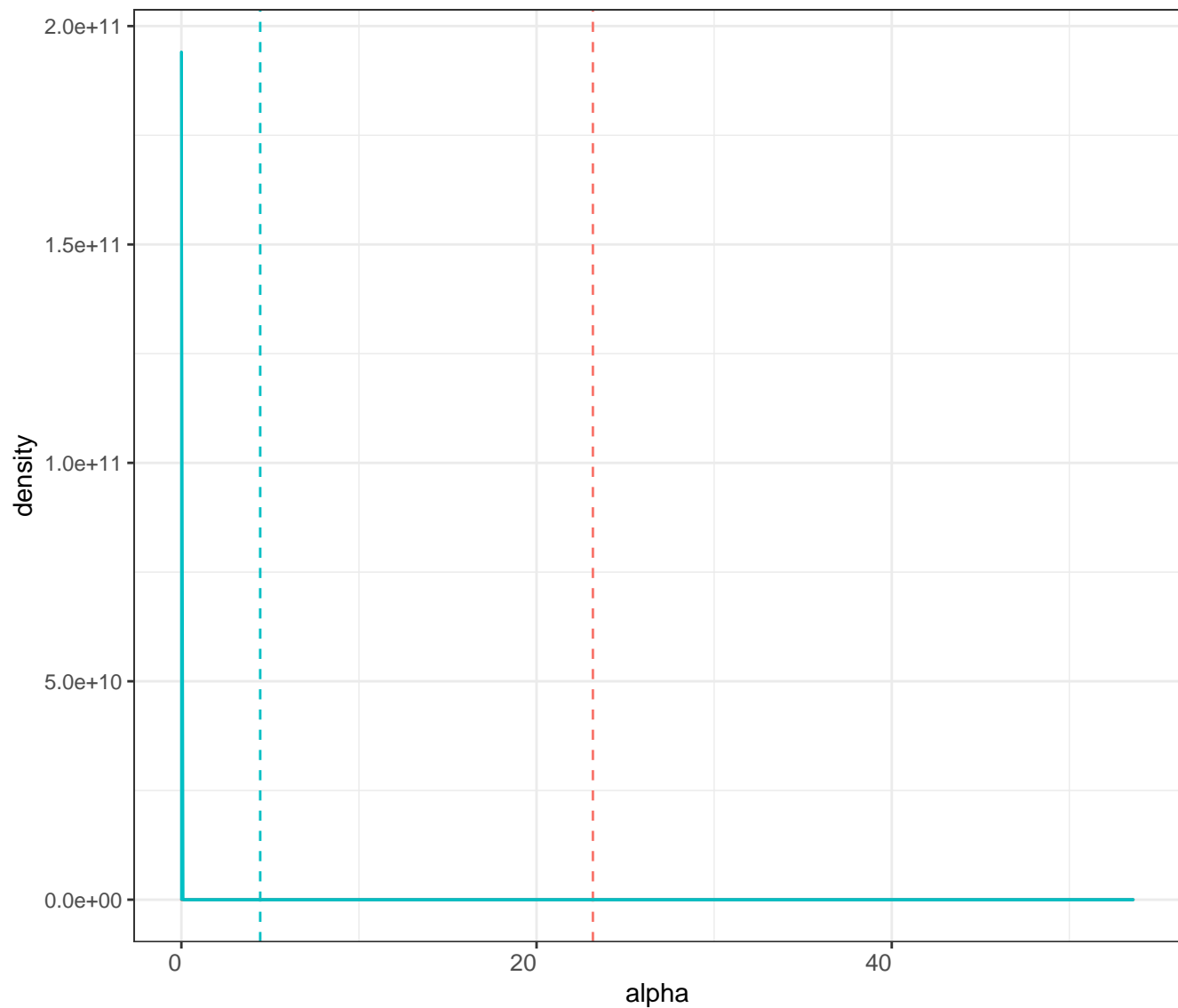
Trace plot for the number of groups K for S=20 r=5 true K=8 type=1



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

Distribution alpha: S=20 ,r=5 true gr K=8 ,type=1 ,N=150

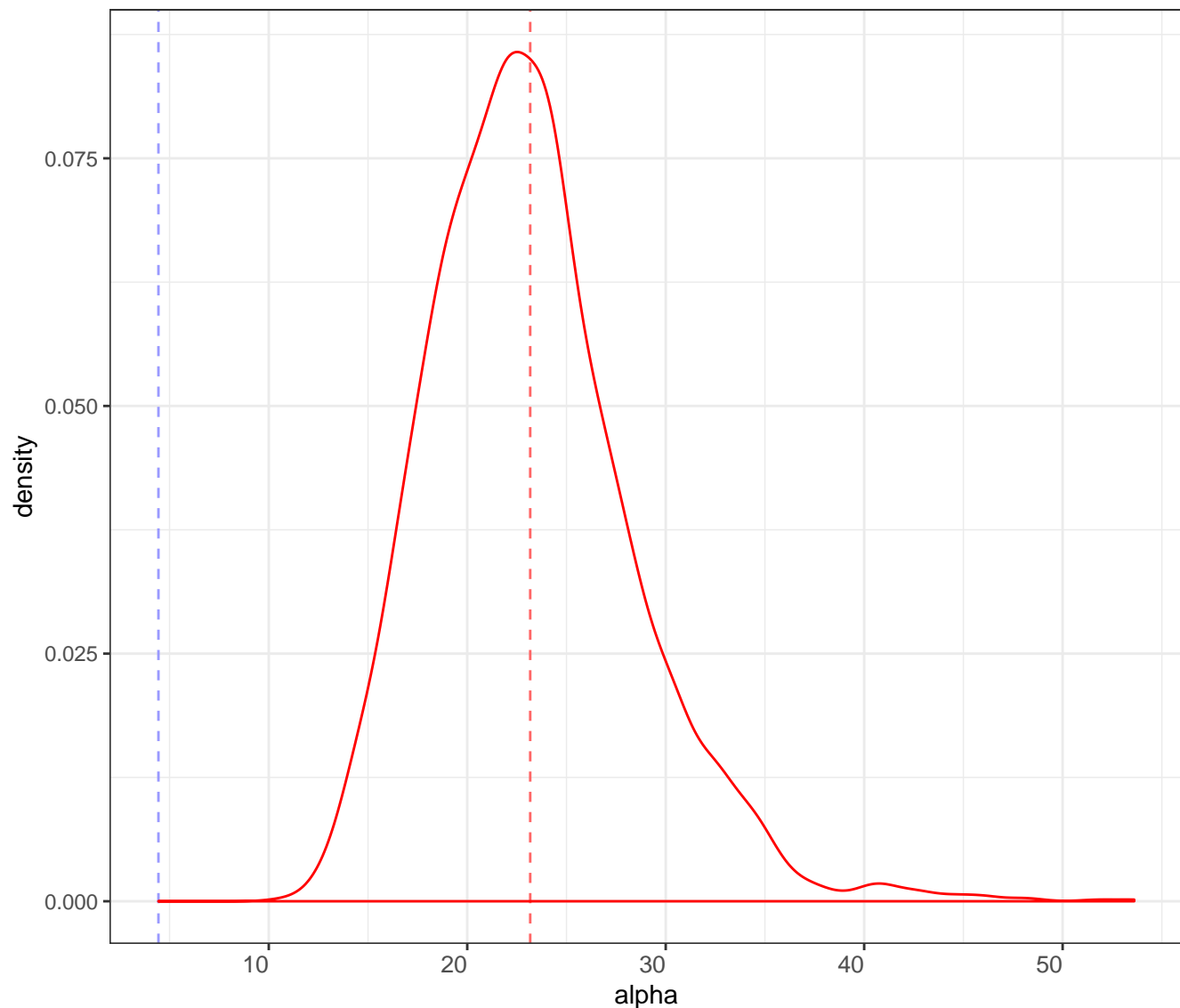
type  posterior  prior



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

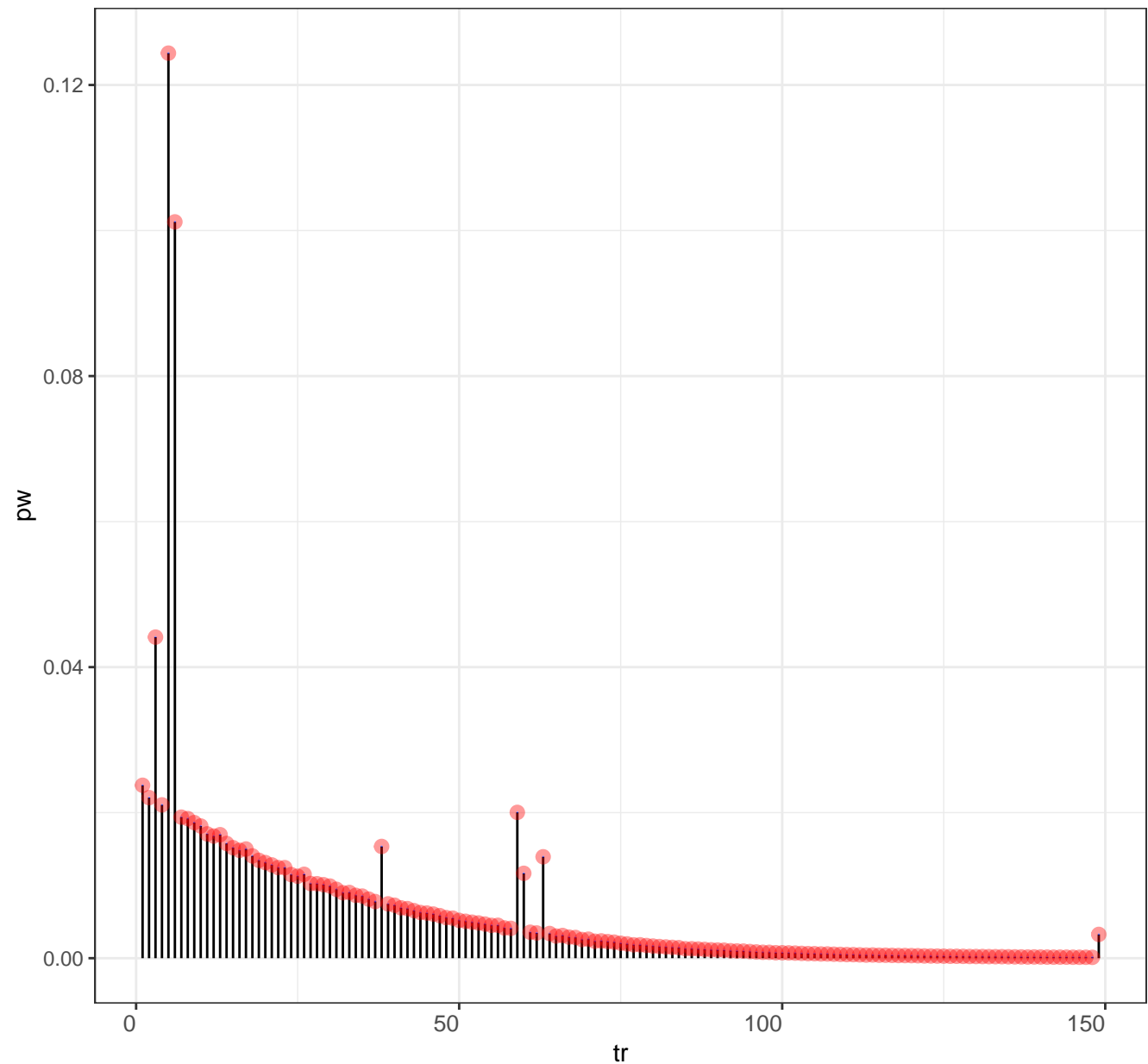
# Posterior distribution for alpha

Legend      posterior mean      prior mean



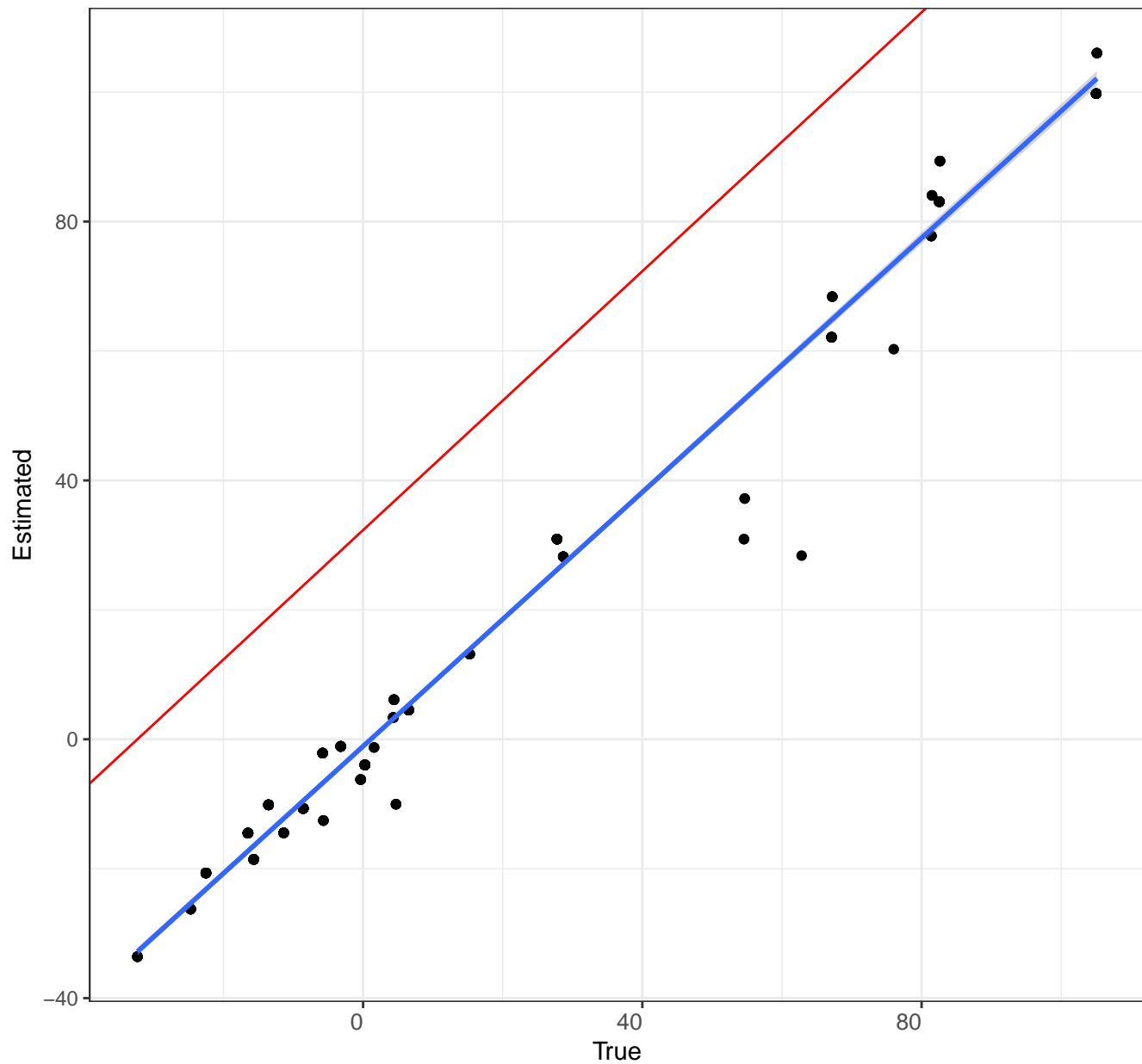
Number of iterations: 5000 burnin: 2000 number of samples: 500 S=20 ,r=5 true gr K=8 ,type=1 ,N=150

Weights for the case:  $S=20$  , $r=5$  true gr  $K=8$  ,type=1 , $N=150$   $pN=0.003$



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=5 true K=8 type=1