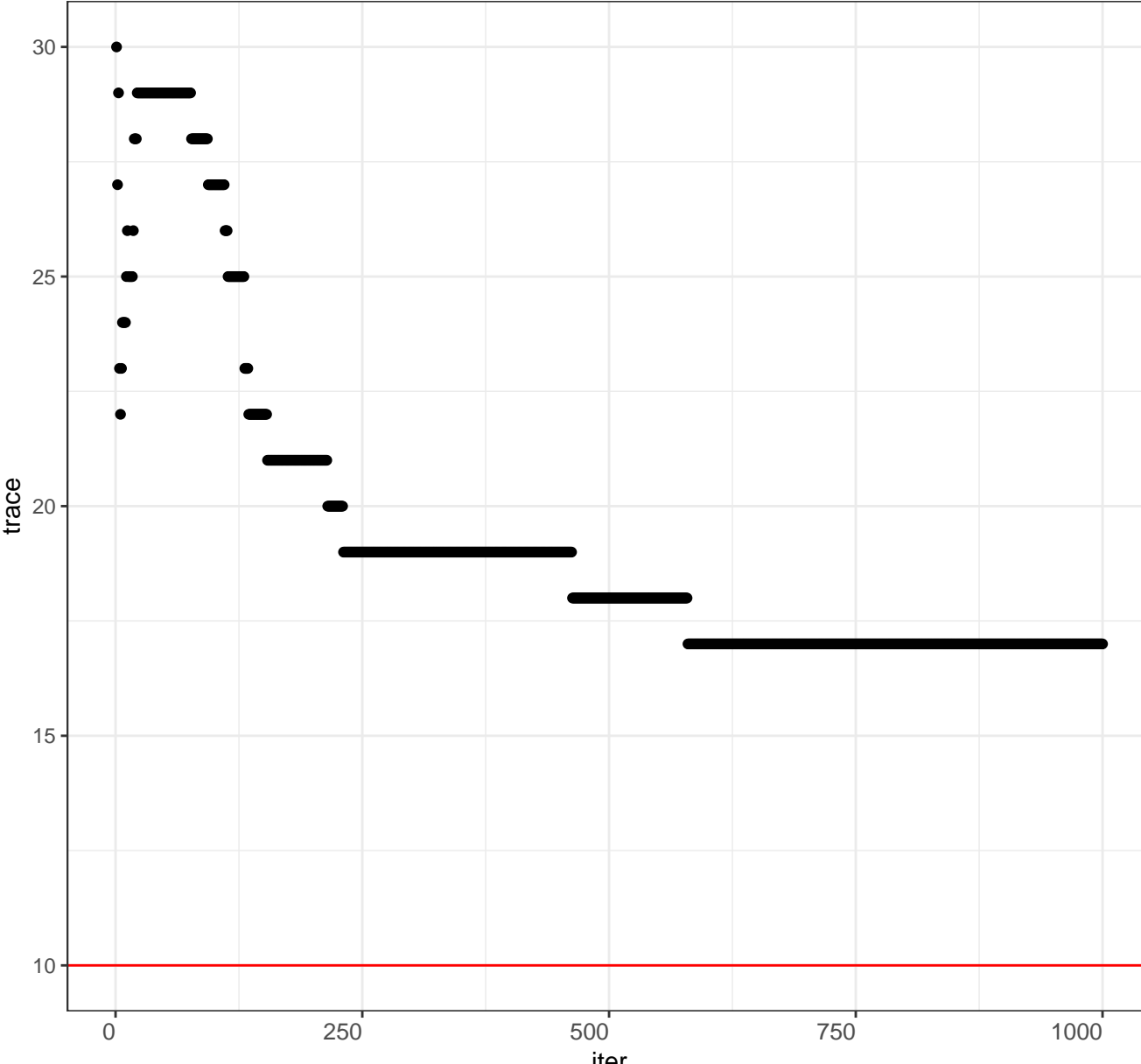


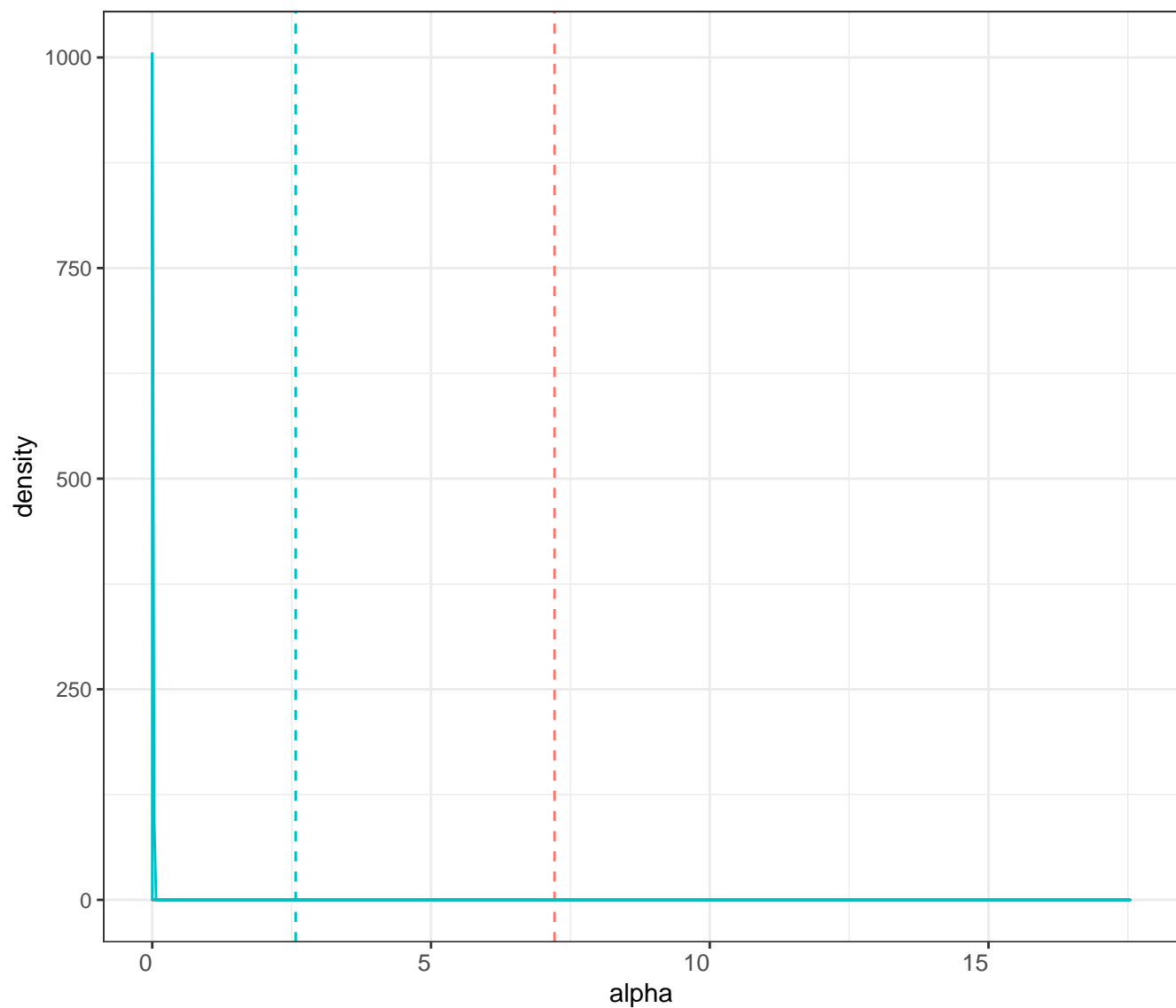
Trace plot for the number of groups K for S=100 r=5 true K=10 type=2



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

Distribution alpha: S=100 ,r=5 true gr K=10 ,type=2 ,N=100

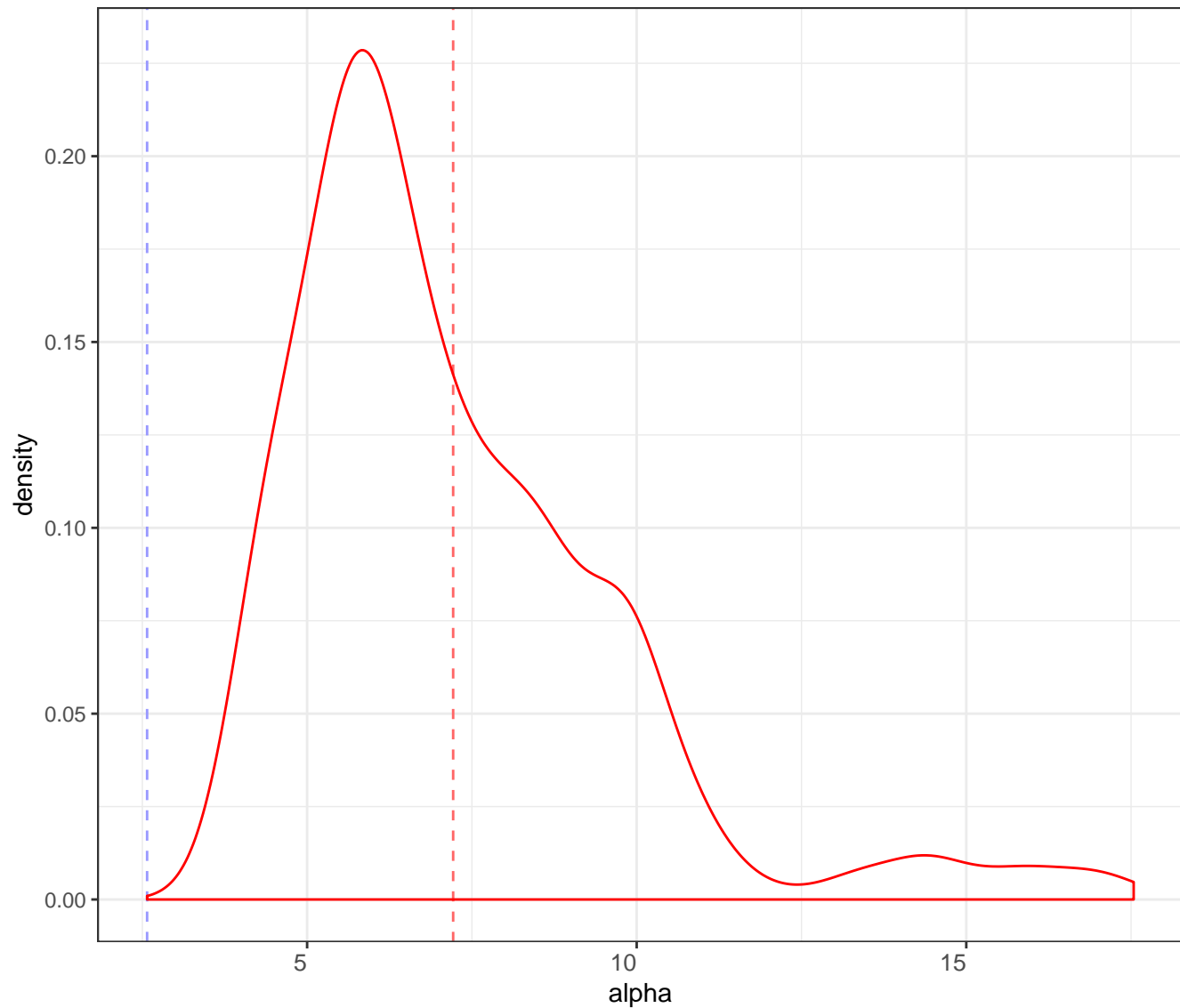
type ┆┆┆ posterior ┆┆┆ prior



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

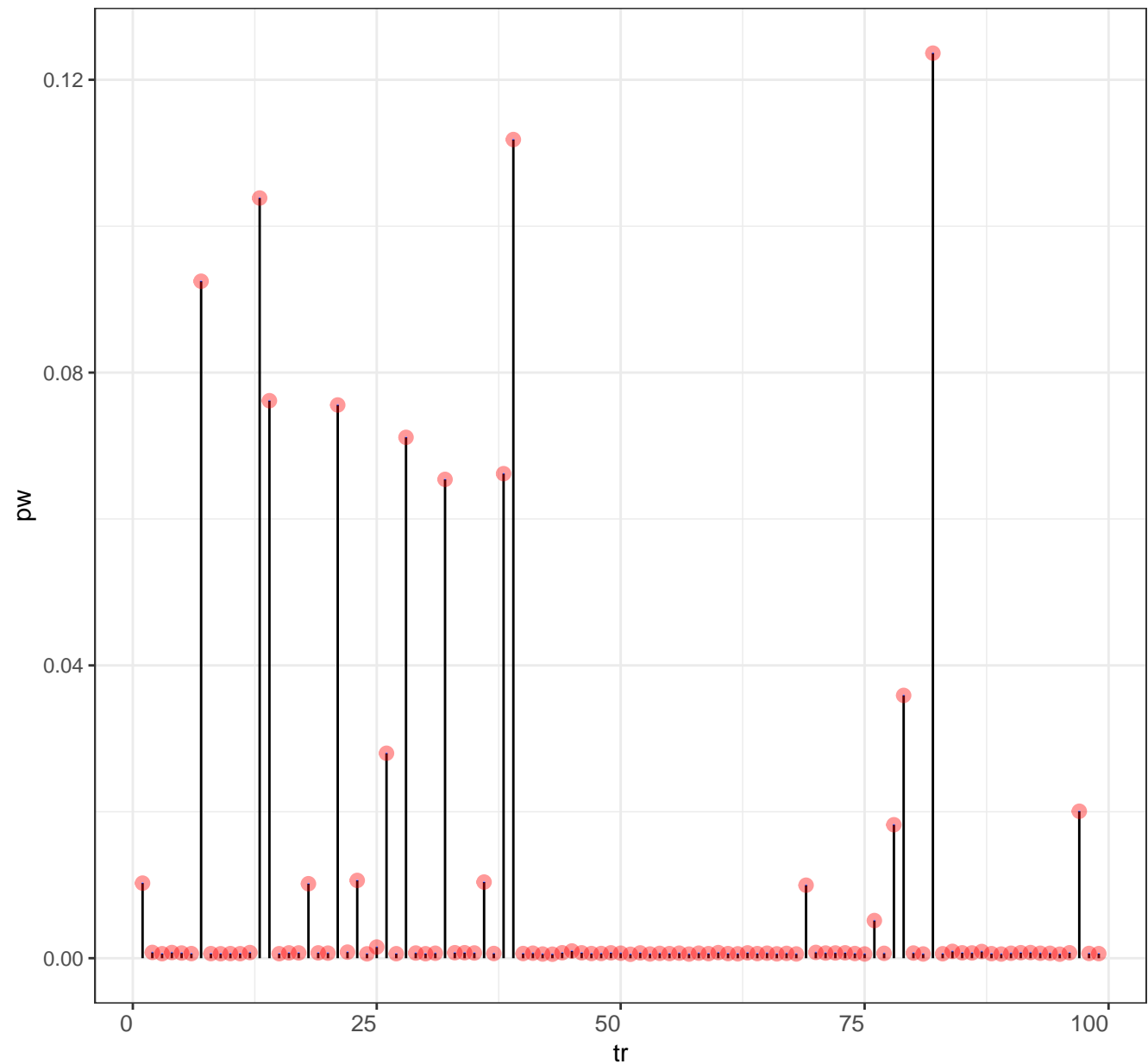
# Posterior distribution for alpha

Legend      posterior mean      prior mean



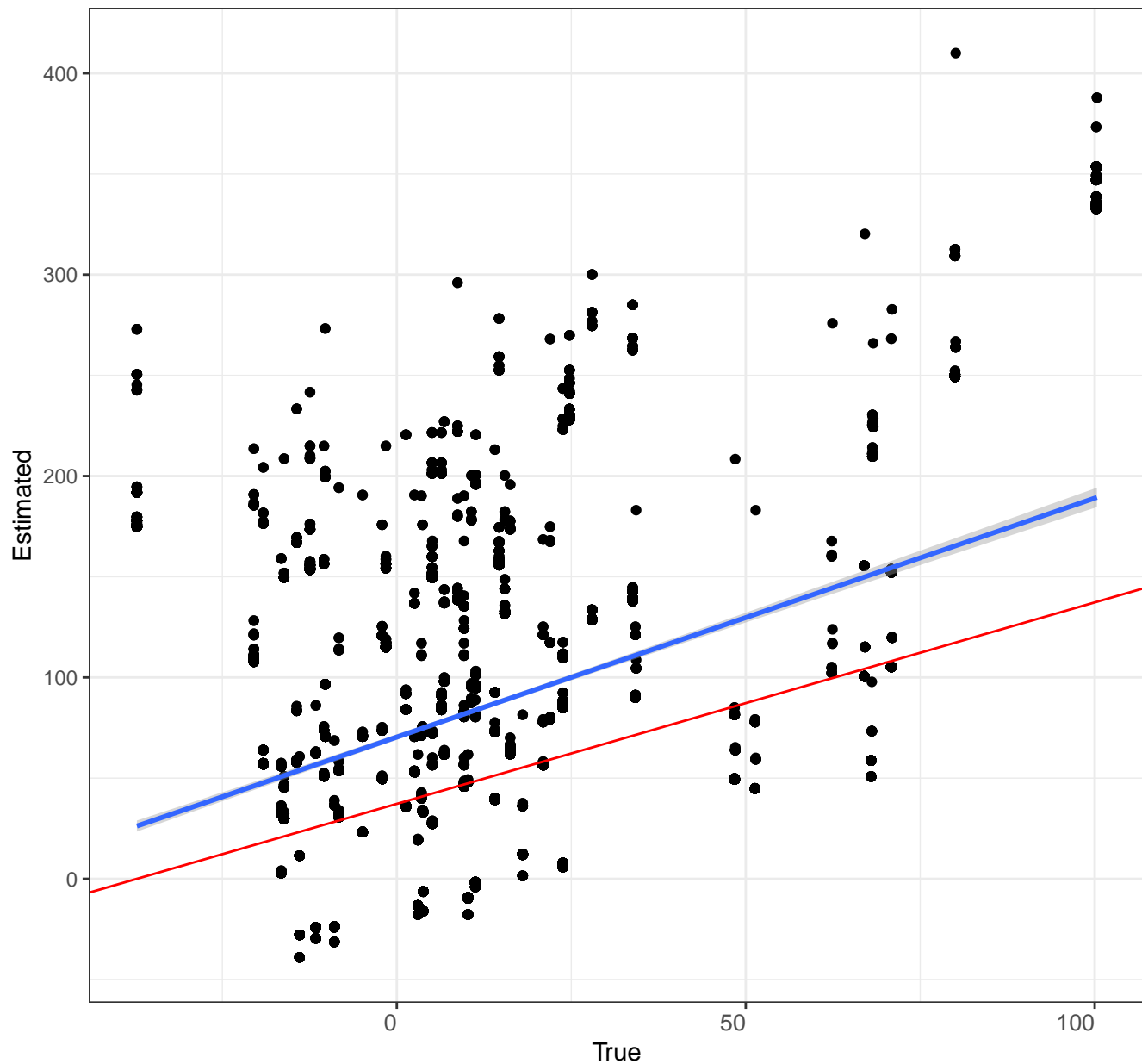
Number of iterations: 1000 burnin: 200 number of samples: 500 S=100 ,r=5 true gr K=10 ,type=2 ,N=100

Weights for the case:  $S=100$  , $r=5$  true gr  $K=10$  ,type=2 , $N=100$   $pN=0.001$



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

True vs estimated covariance parameters



Number of iterations: 1000 burnin: 200number of samples: 500S=100 r=5 true K=10 type=2