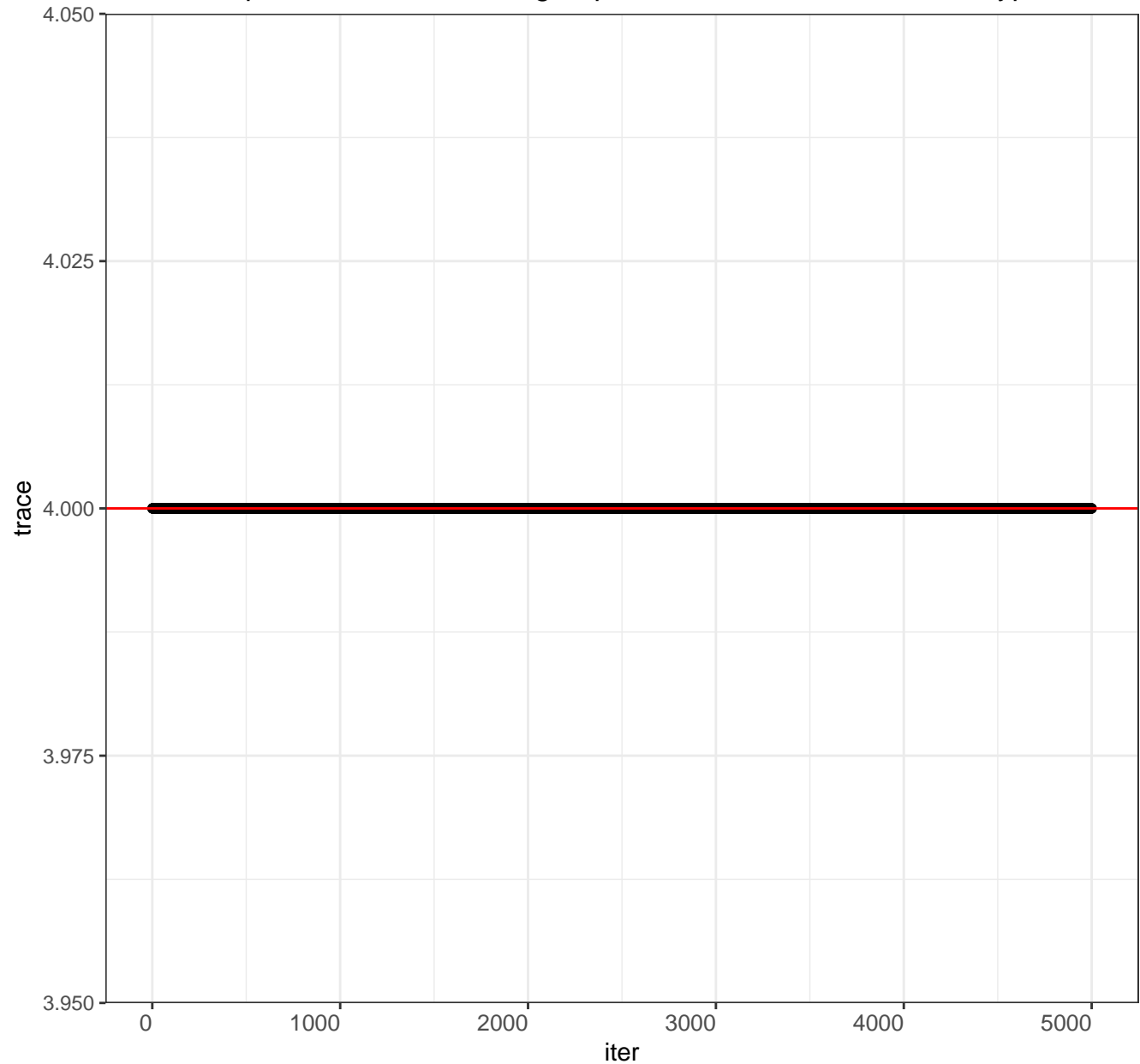




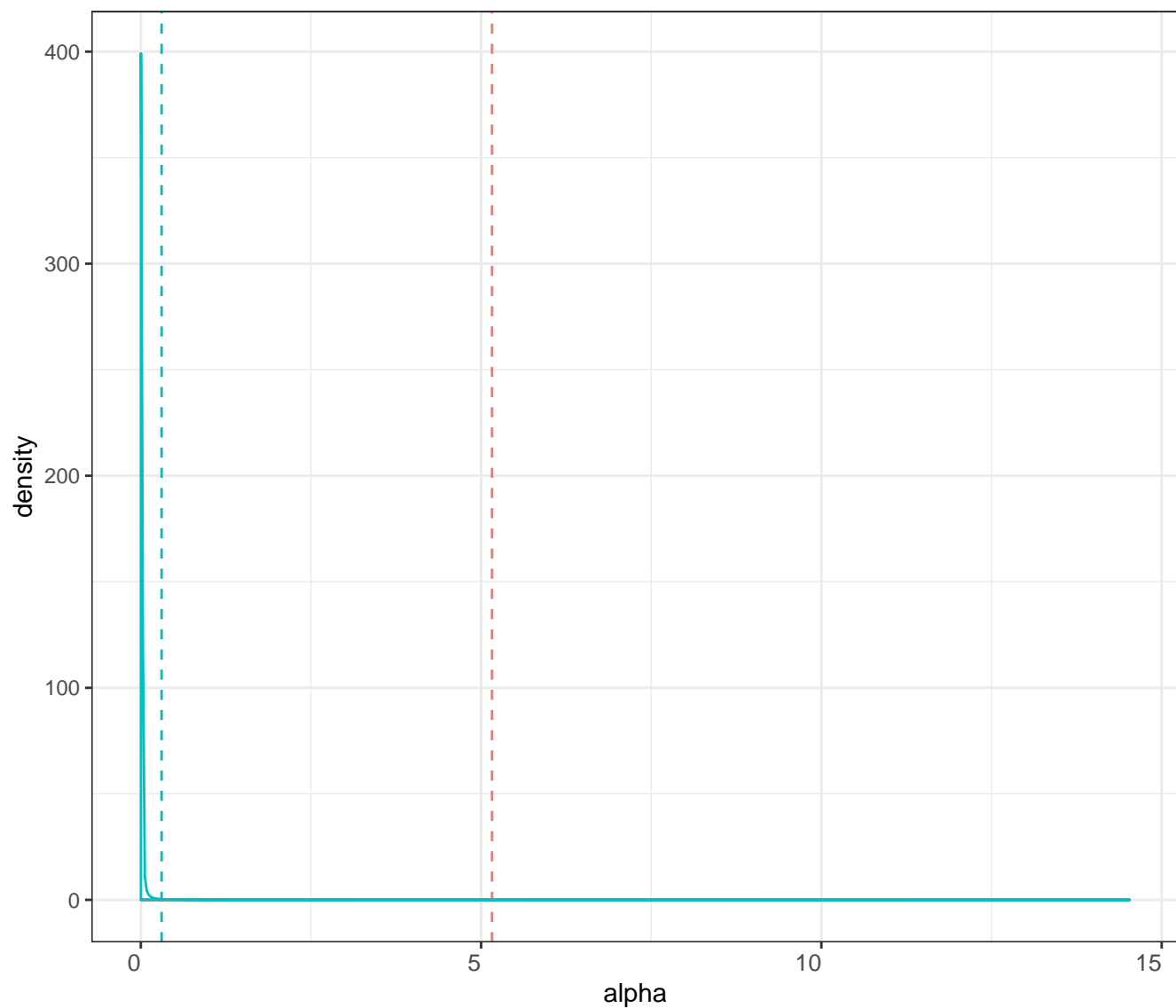
Trace plot for the number of groups K for S=100 r=20 true K=4 type=4



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

Distribution alpha: S=100 ,r=20 true gr K=4 ,type=4 ,N=28

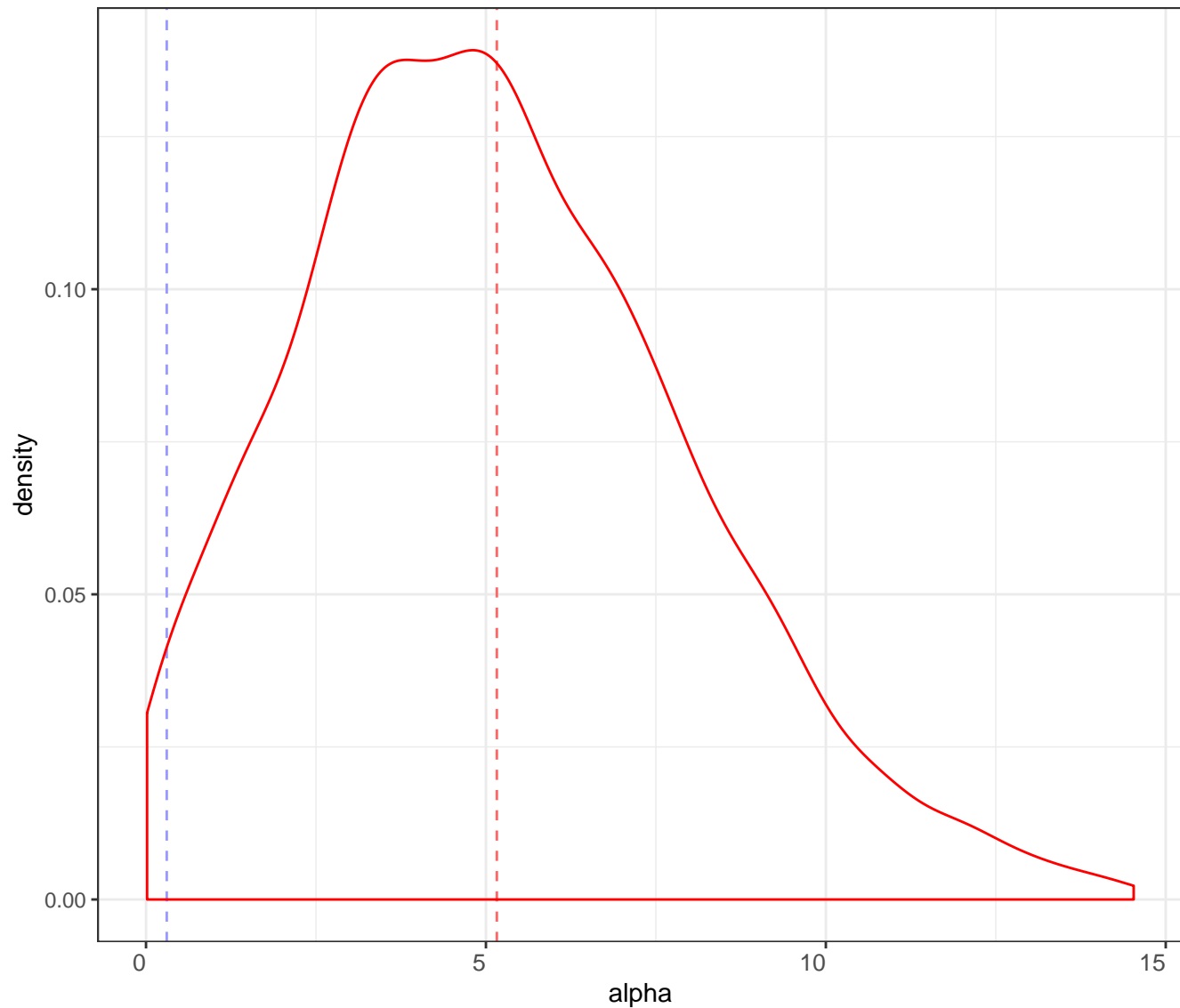
type  posterior  prior



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

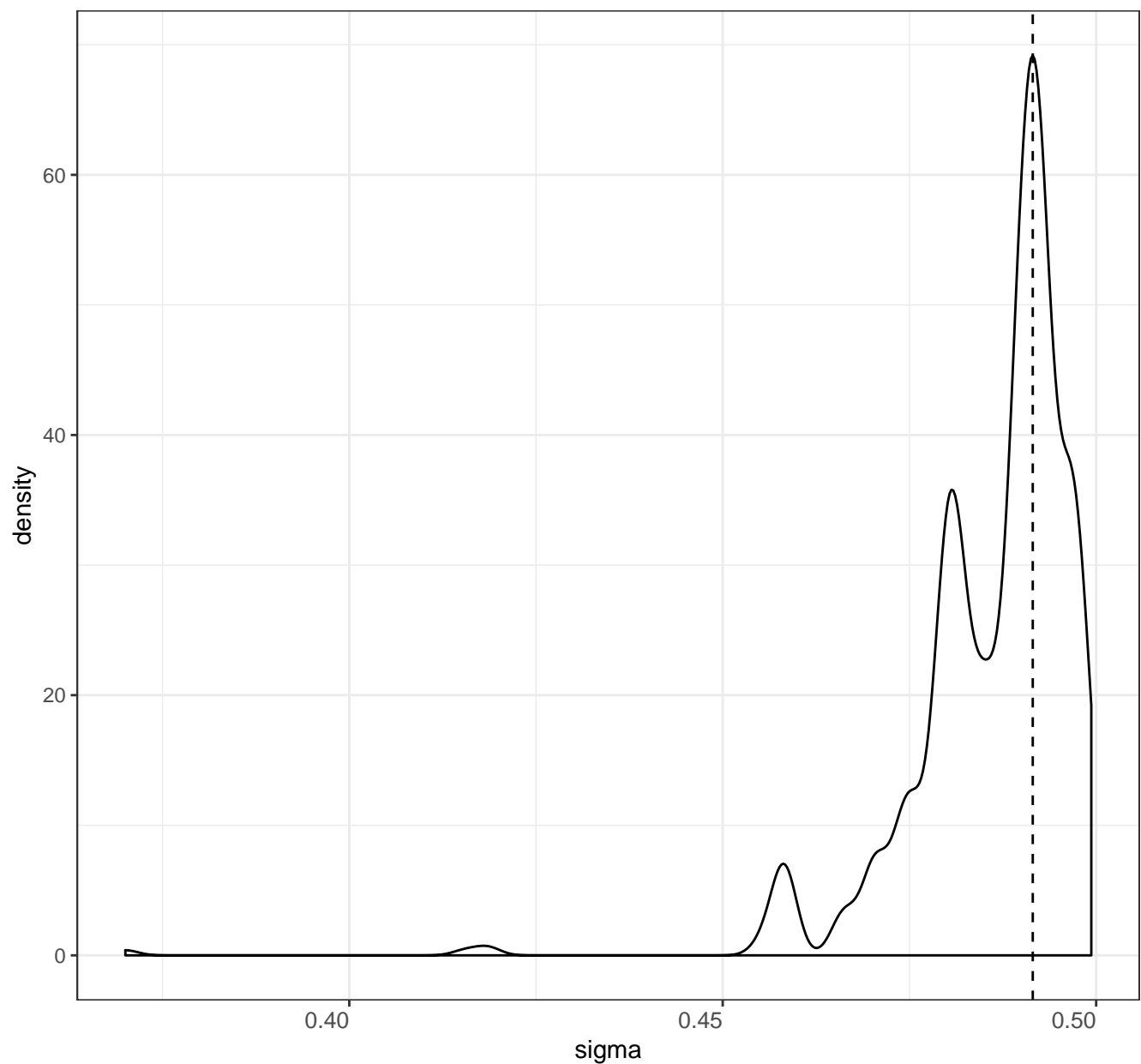
# Posterior distribution for alpha

Legend    posterior mean    prior mean



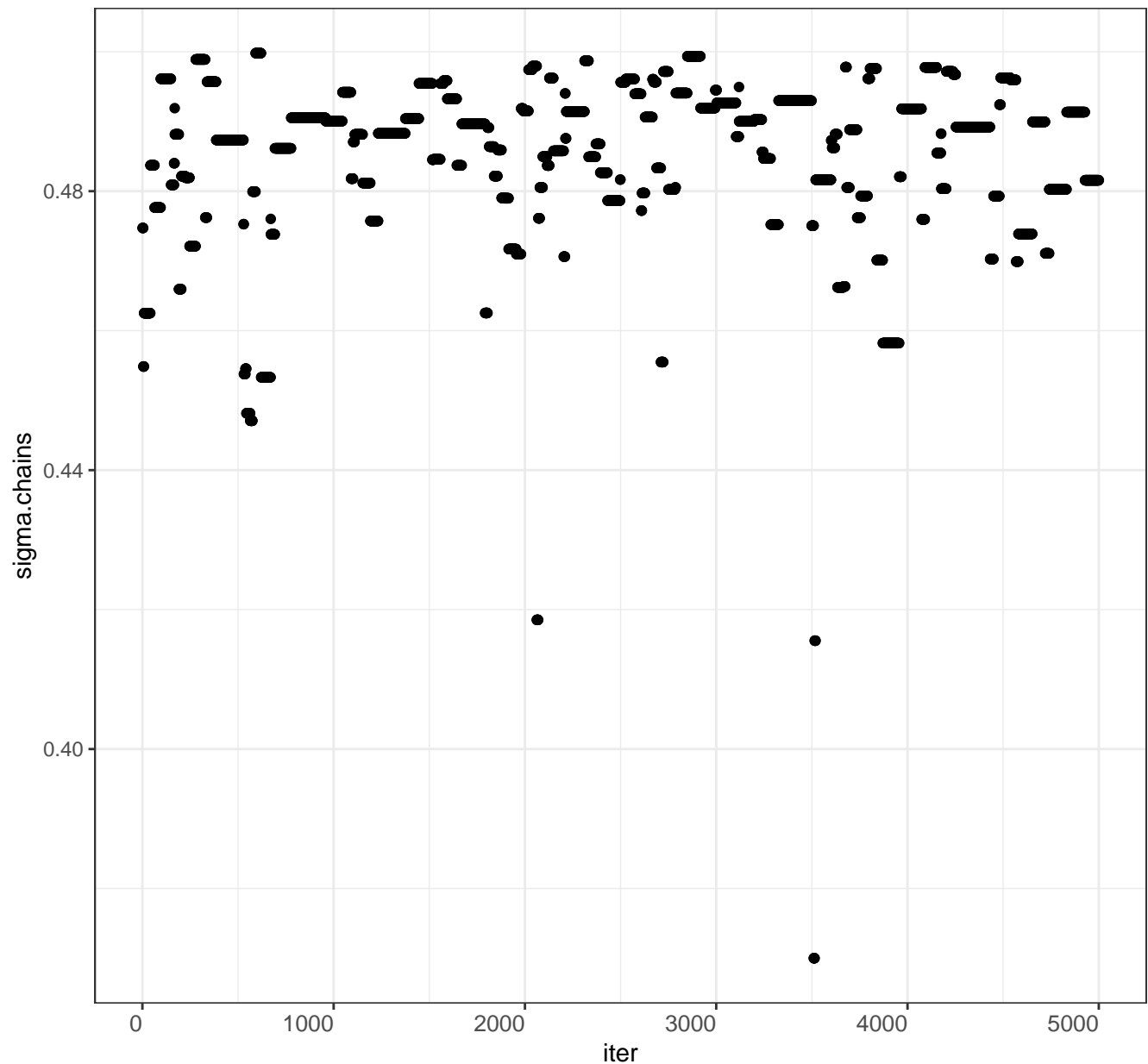
Number of iterations: 5000 burnin: 2000 number of samples: 500 S=100 ,r=20 true gr K=4 ,type=4 ,N=28

Distribution sigma: S=100 ,r=20 true gr K=4 ,type=4 ,N=28



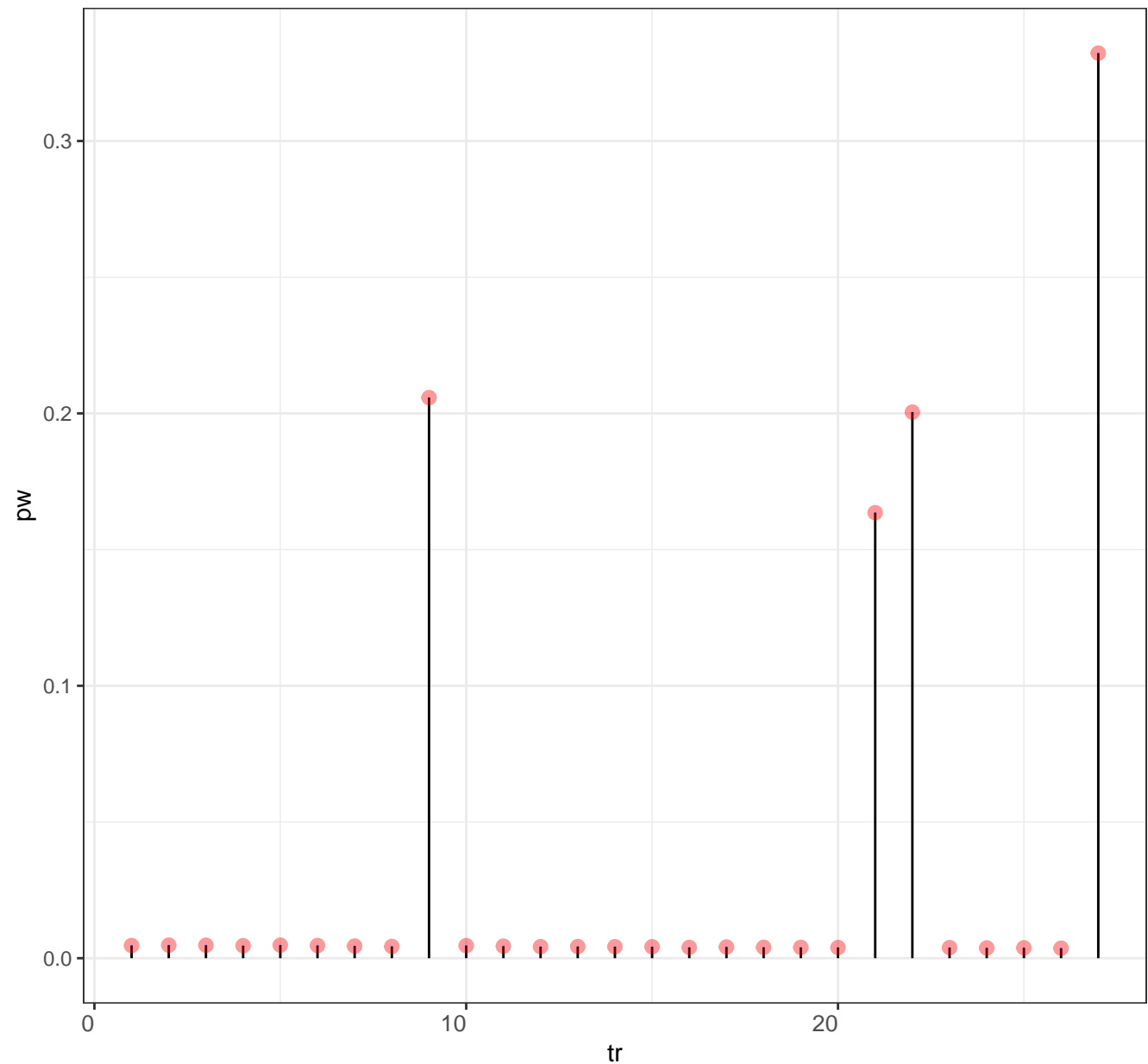
Number of iterations: 5000 burnin: 2000 number of samples: 500

Trace plot for the sigma for S=100 r=20 true K=4 type=4



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

Weights for the case:  $S=100$  , $r=20$  true gr  $K=4$  ,type=4 , $N=28$   $pN=0.332$



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