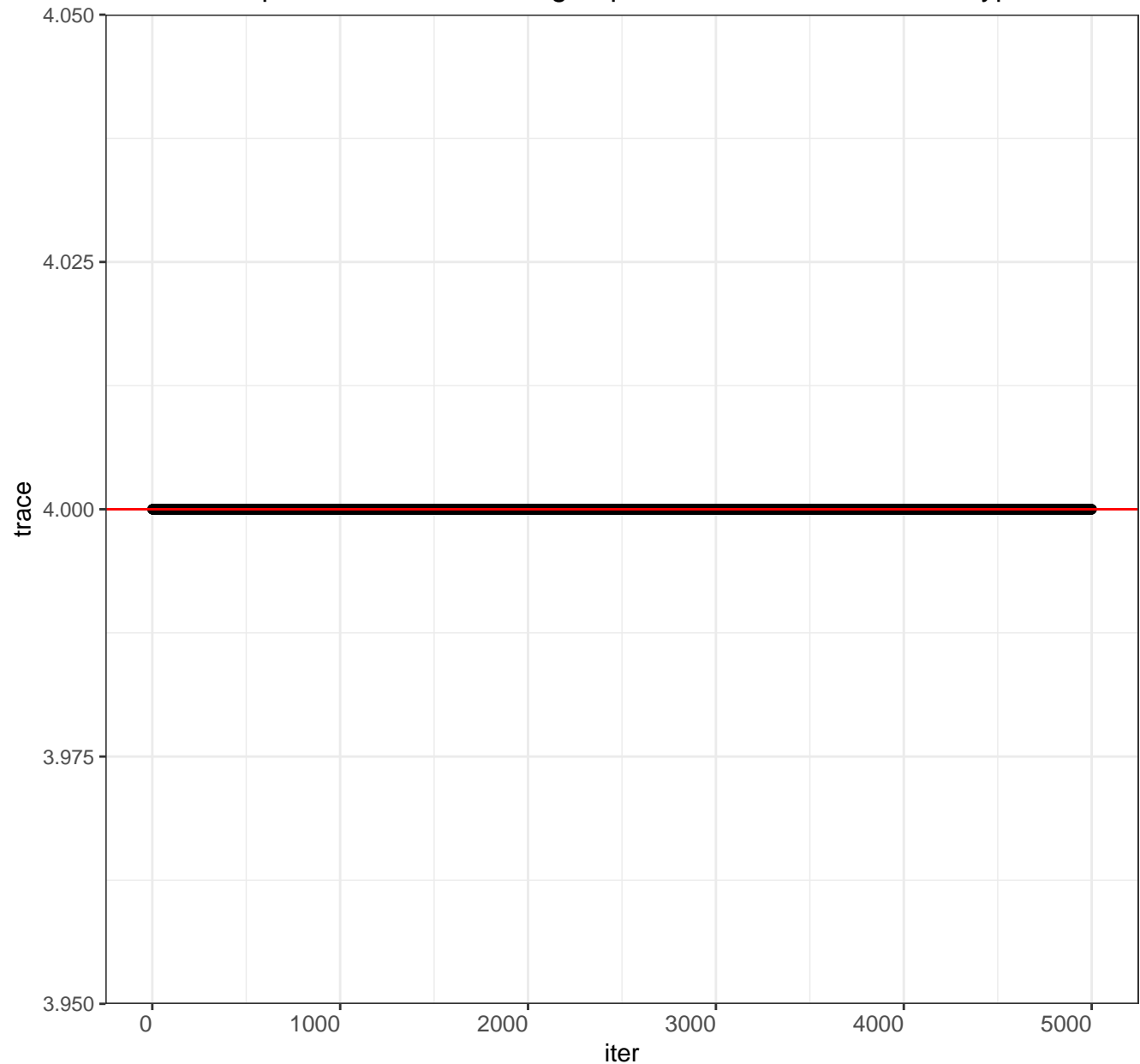




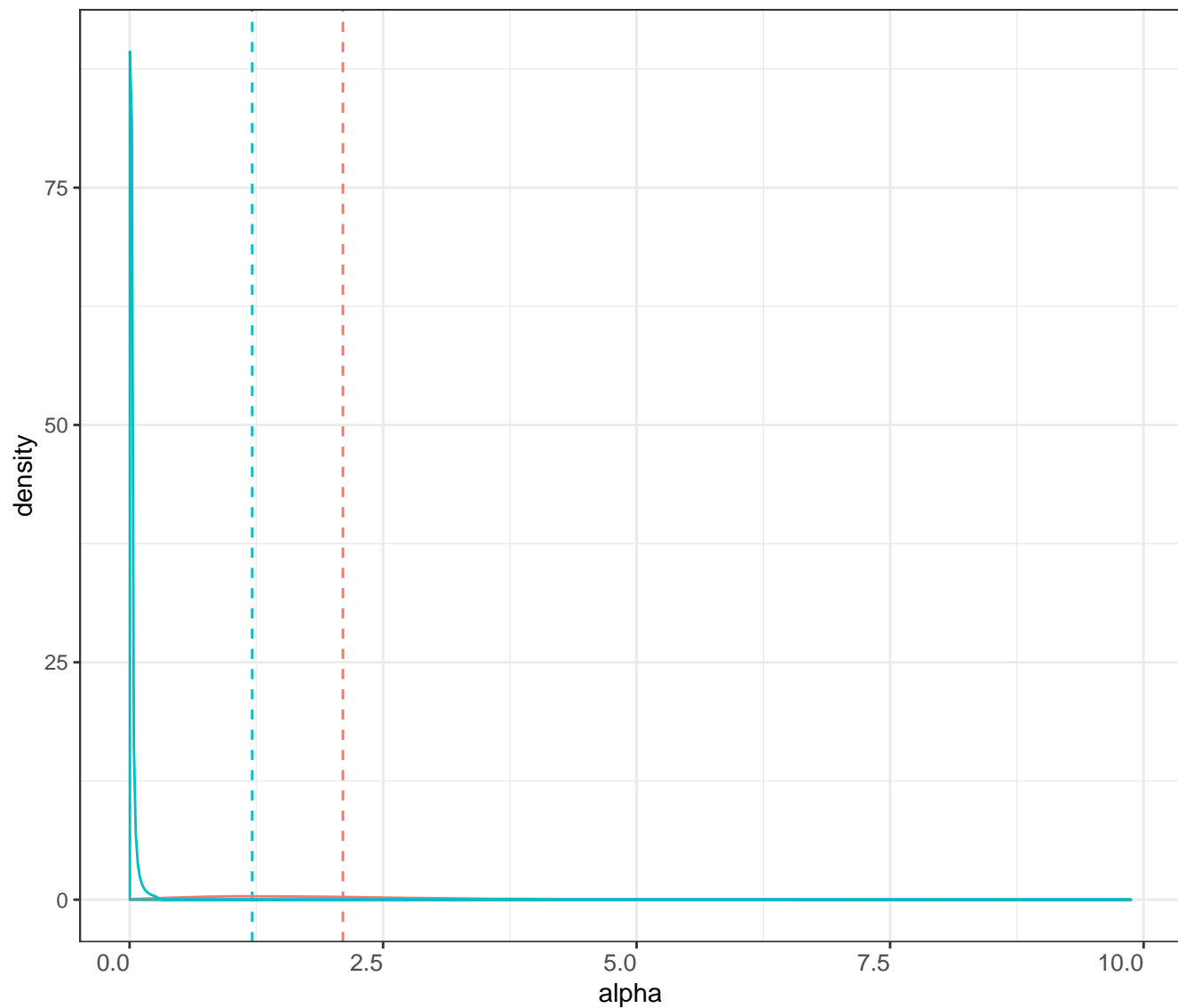
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 5000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=20

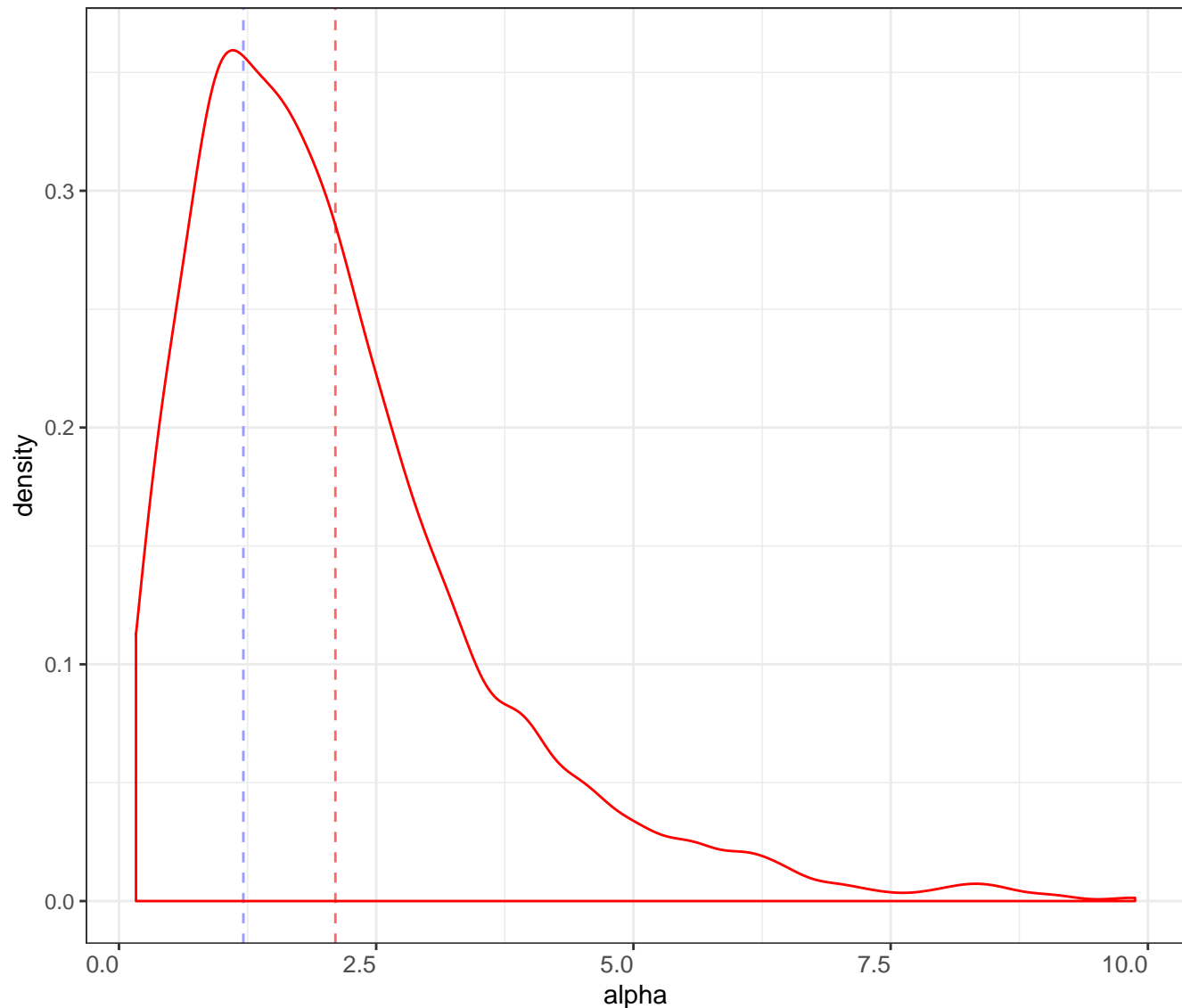
type  posterior  prior



Number of iterations: 5000 burnin: 1000 number of samples: 500

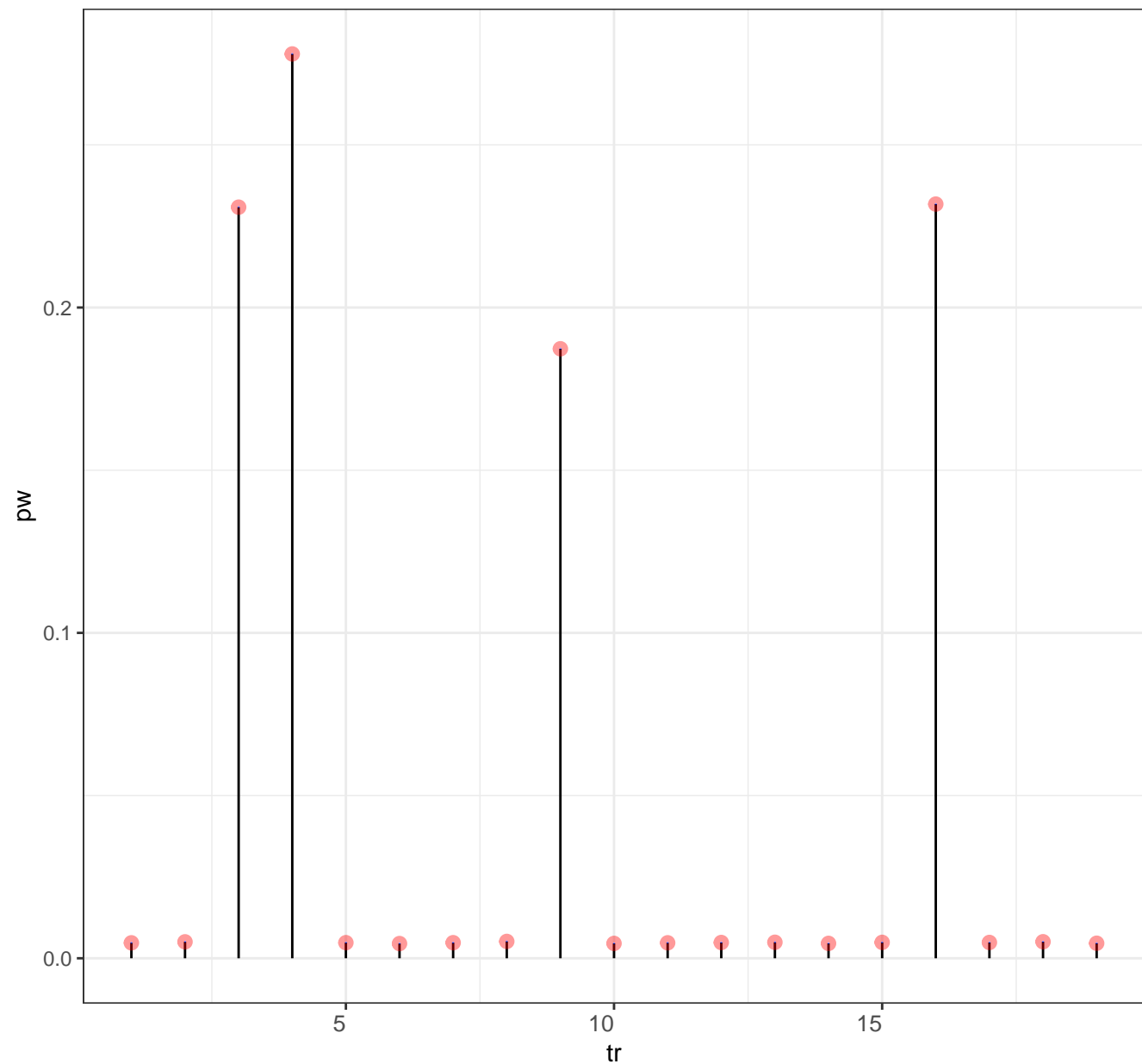
# Posterior distribution for alpha

Legend    posterior mean    prior mean



Number of iterations: 5000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=20

Weights for the case:  $S=20$  , $r=5$  true gr  $K=4$  ,type=2 , $N=20$   $pN=0.005$



Number of iterations: 5000 burnin: 1000 number of samples: 500