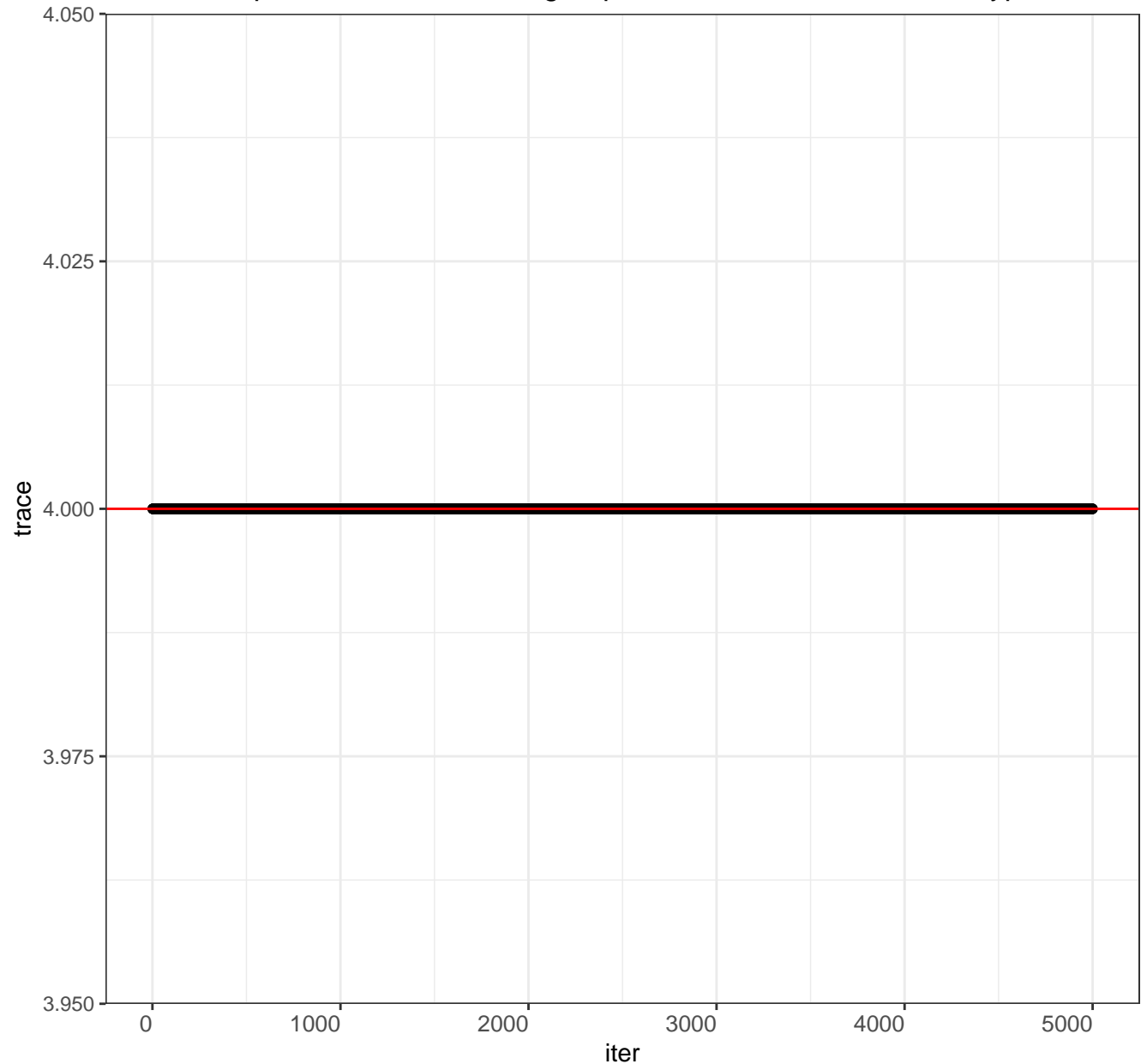


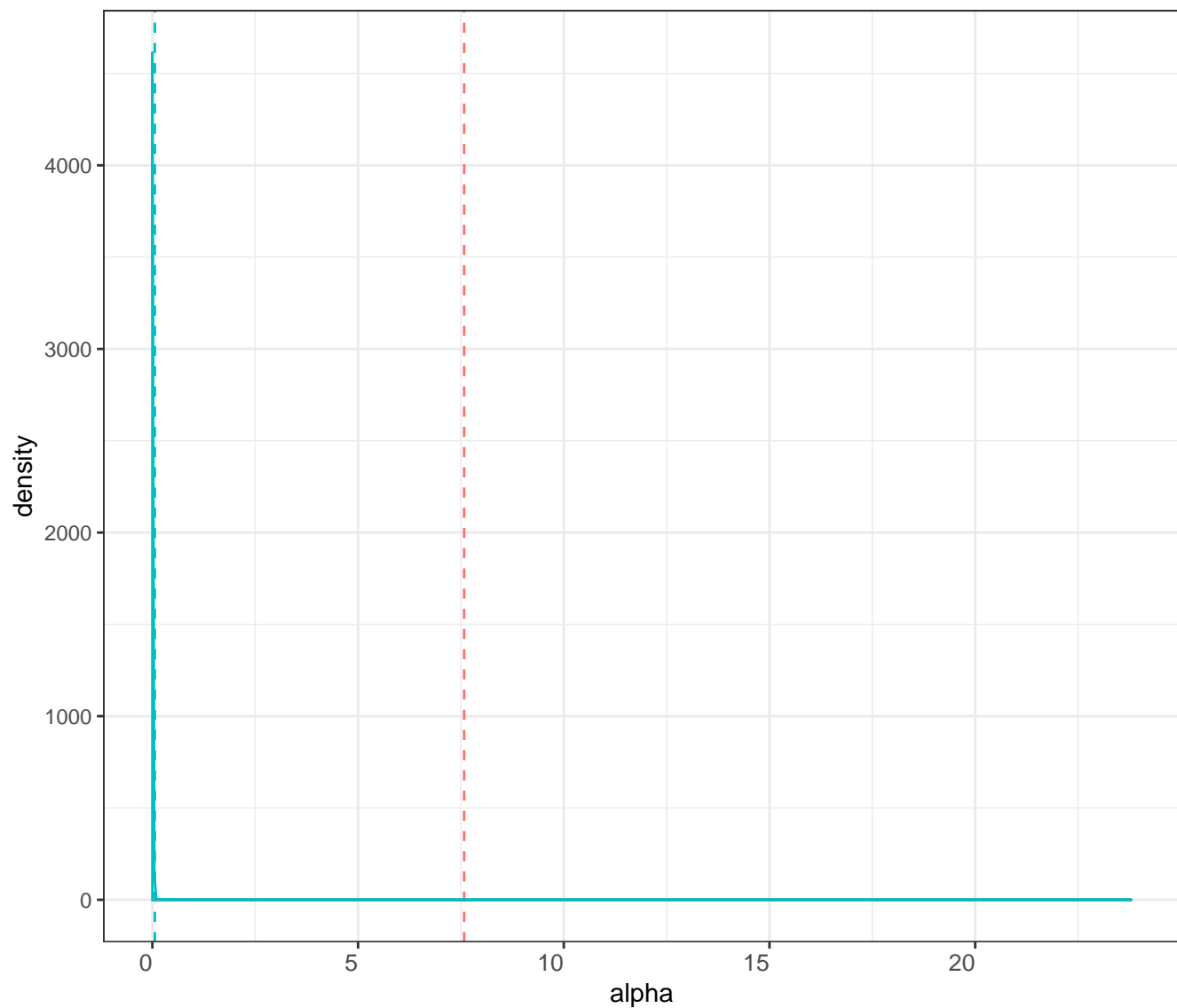
Trace plot for the number of groups K for S=20 r=15 true K=4 type=4



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

Distribution alpha: S=20 ,r=15 true gr K=4 ,type=4 ,N=25

type ┆┆ posterior ┆┆ prior



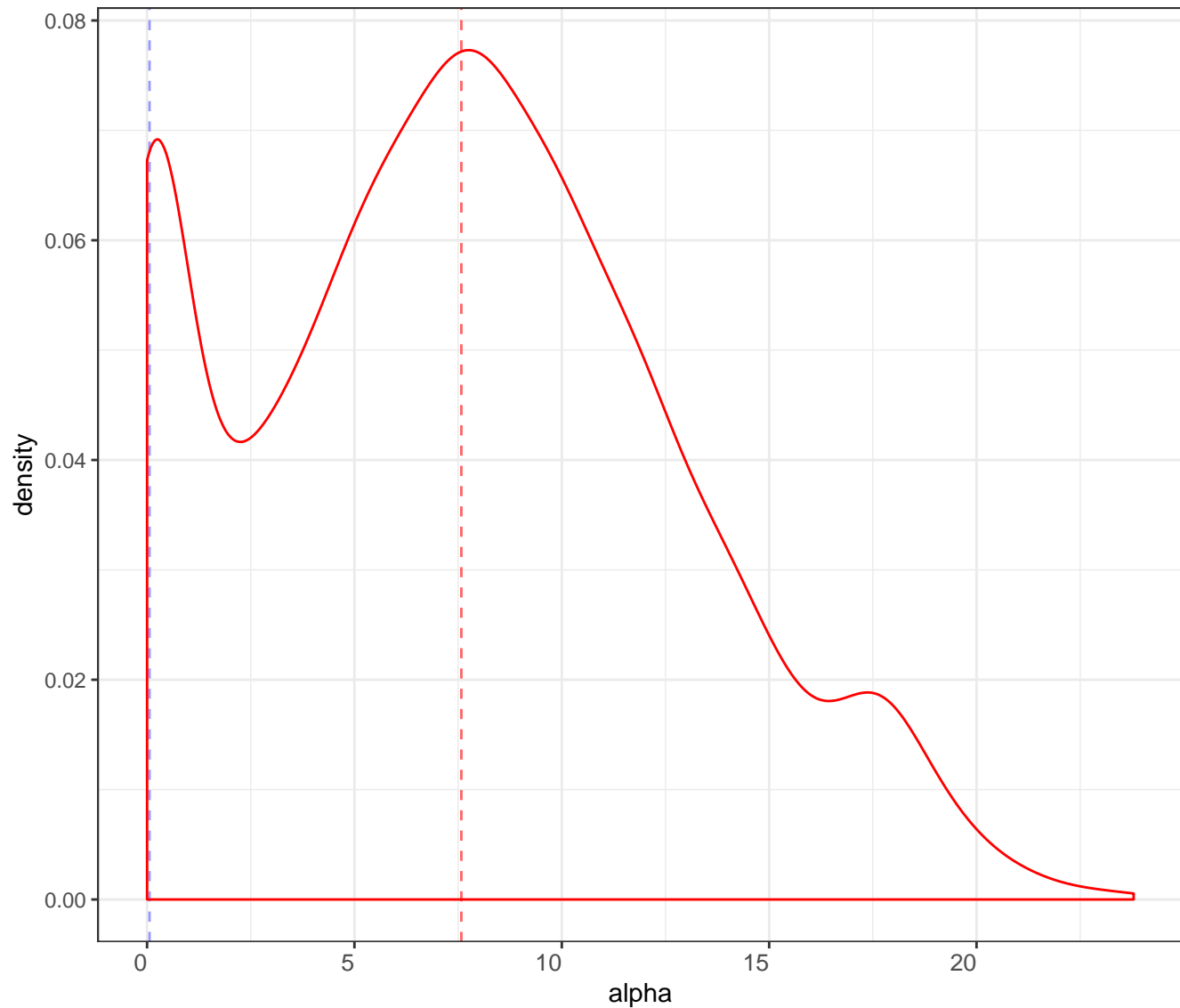
Number of iterations: 5000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

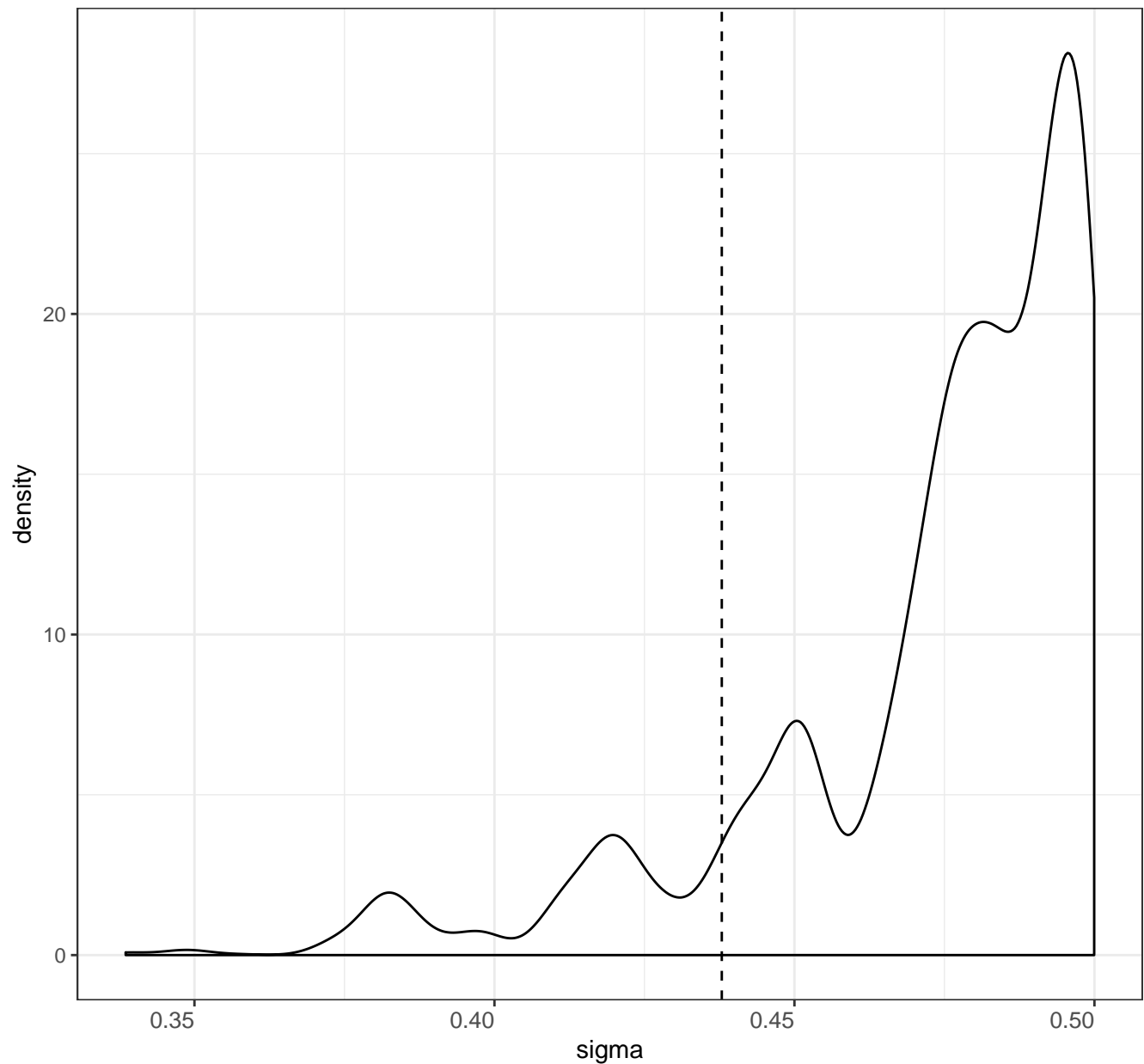
posterior mean

prior mean



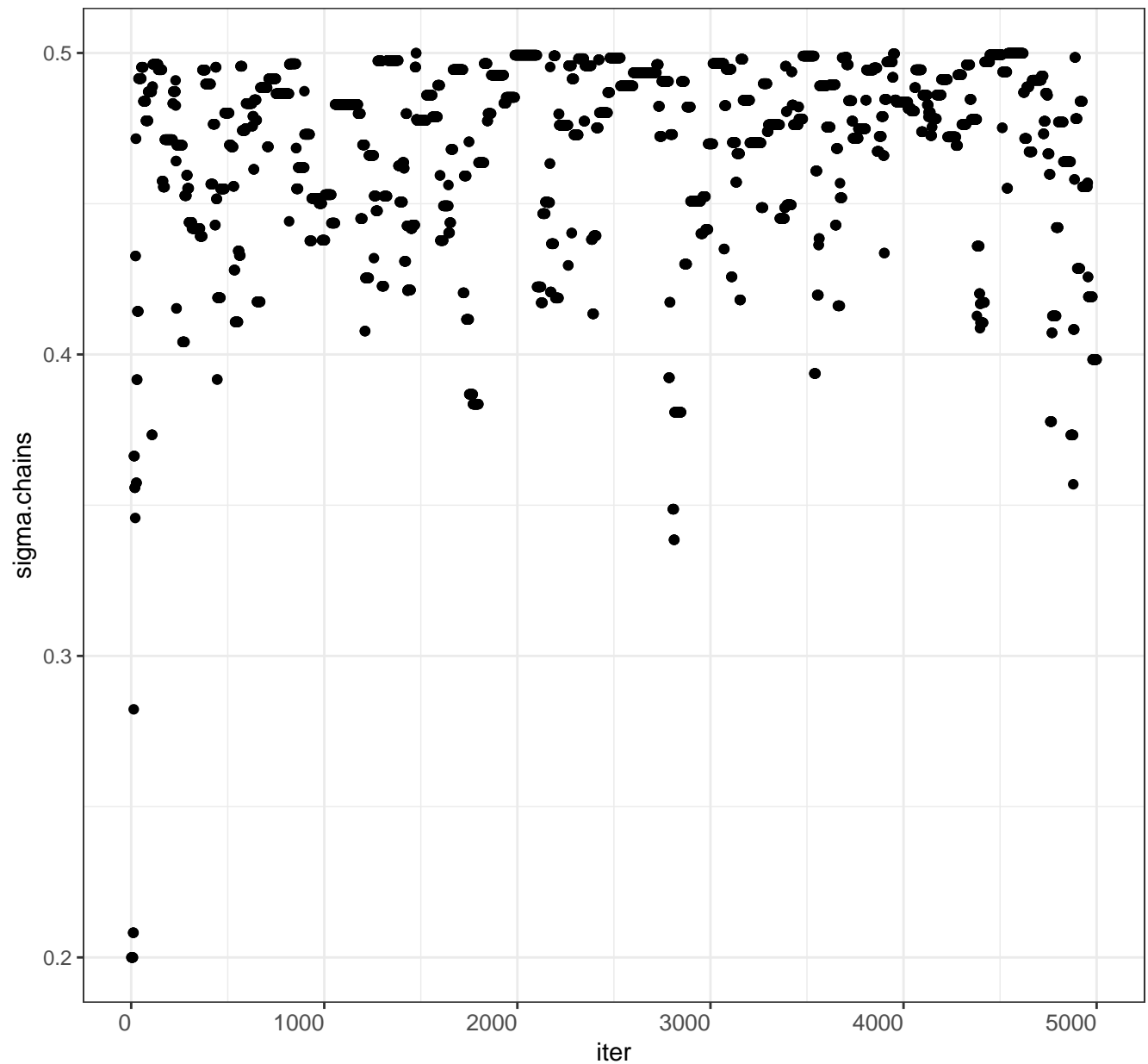
Number of iterations: 5000 burnin: 1000 number of samples: 500 S=20 ,r=15 true gr K=4 ,type=4 ,N=25

Distribution sigma: S=20 ,r=15 true gr K=4 ,type=4 ,N=25



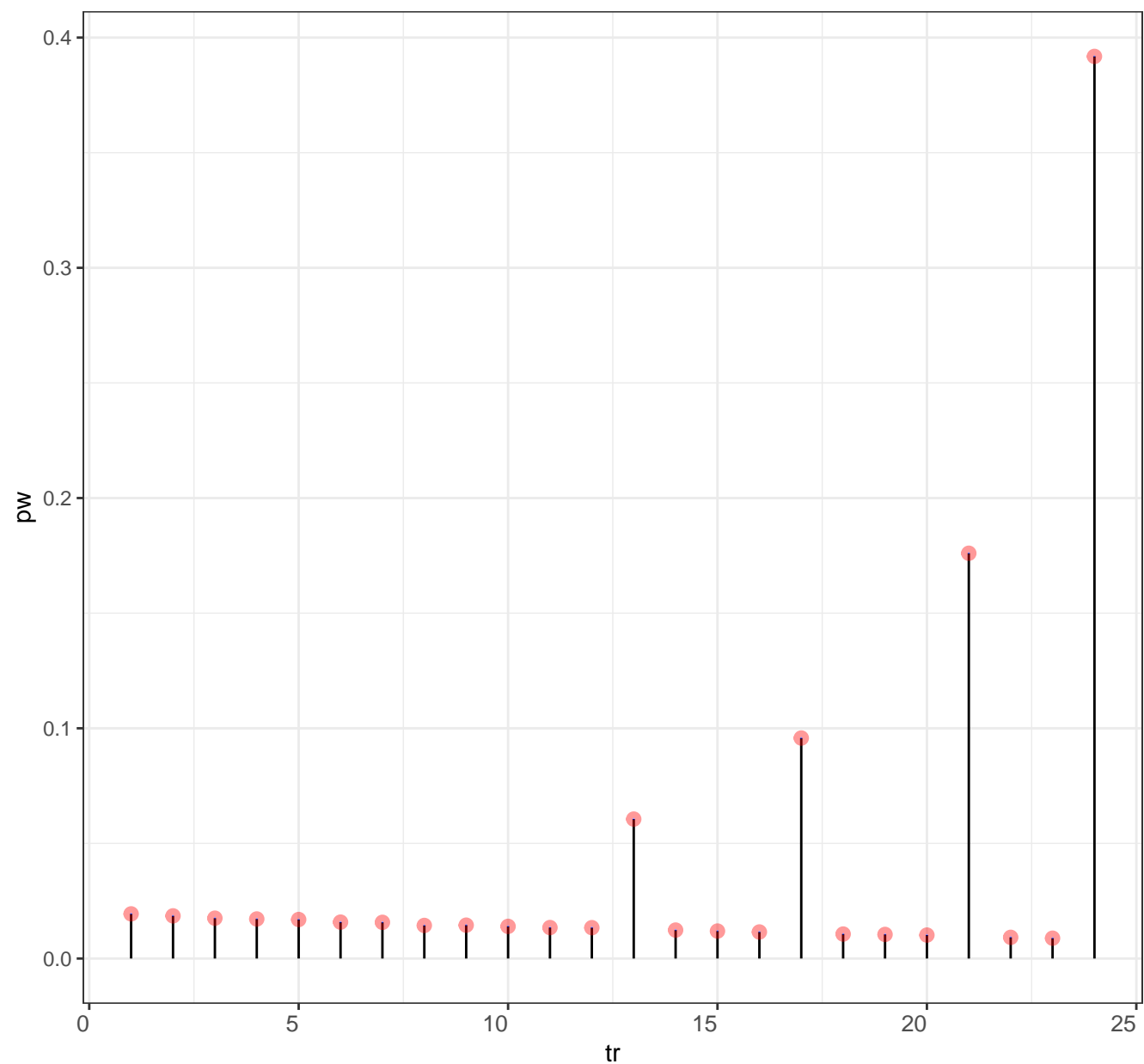
Number of iterations: 5000 burnin: 1000 number of samples: 500

Trace plot for the sigma for S=20 r=15 true K=4 type=4



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

Weights for the case: $S=20$, $r=15$ true gr $K=4$,type=4 , $N=25$ $pN=0.392$



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