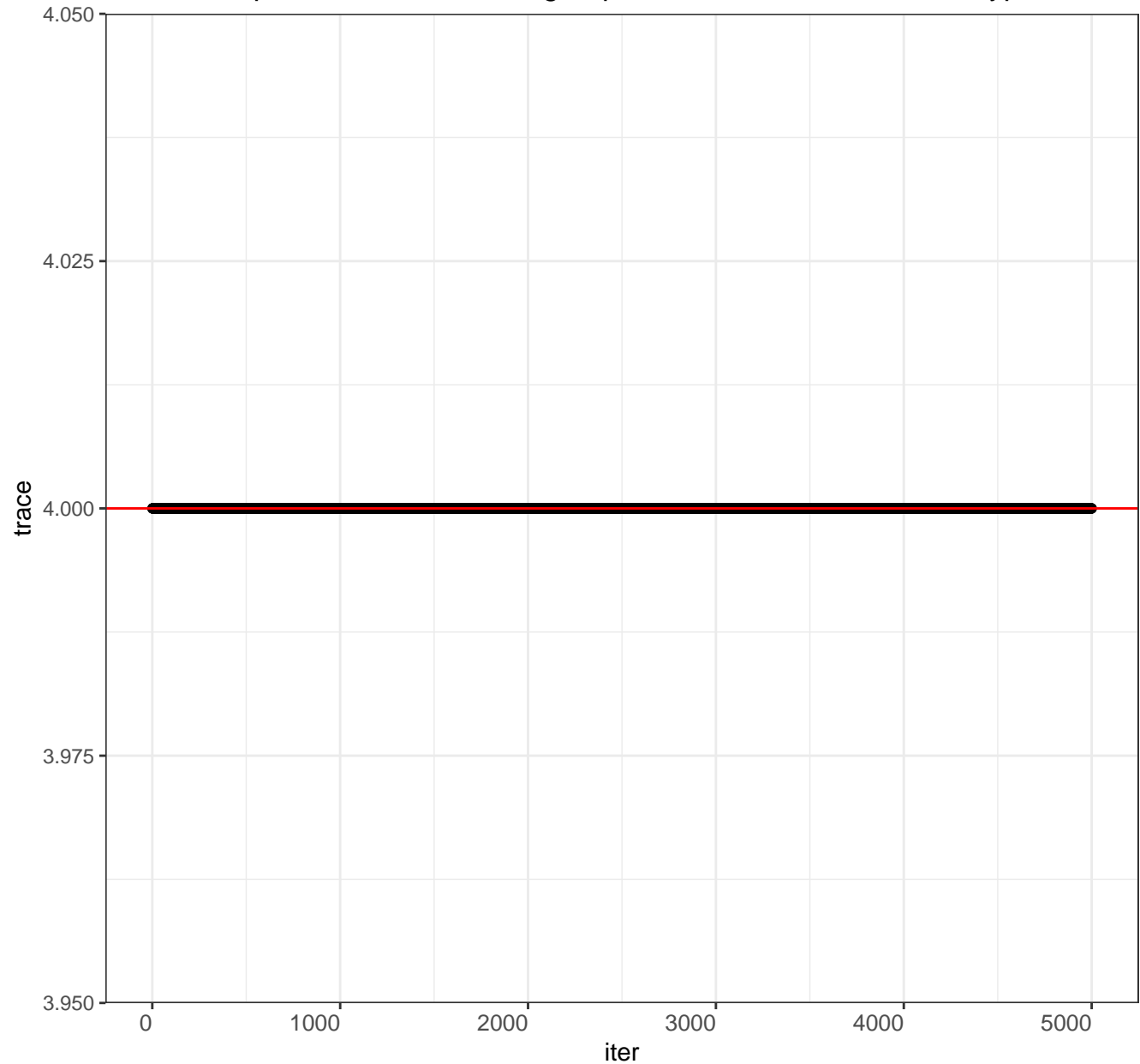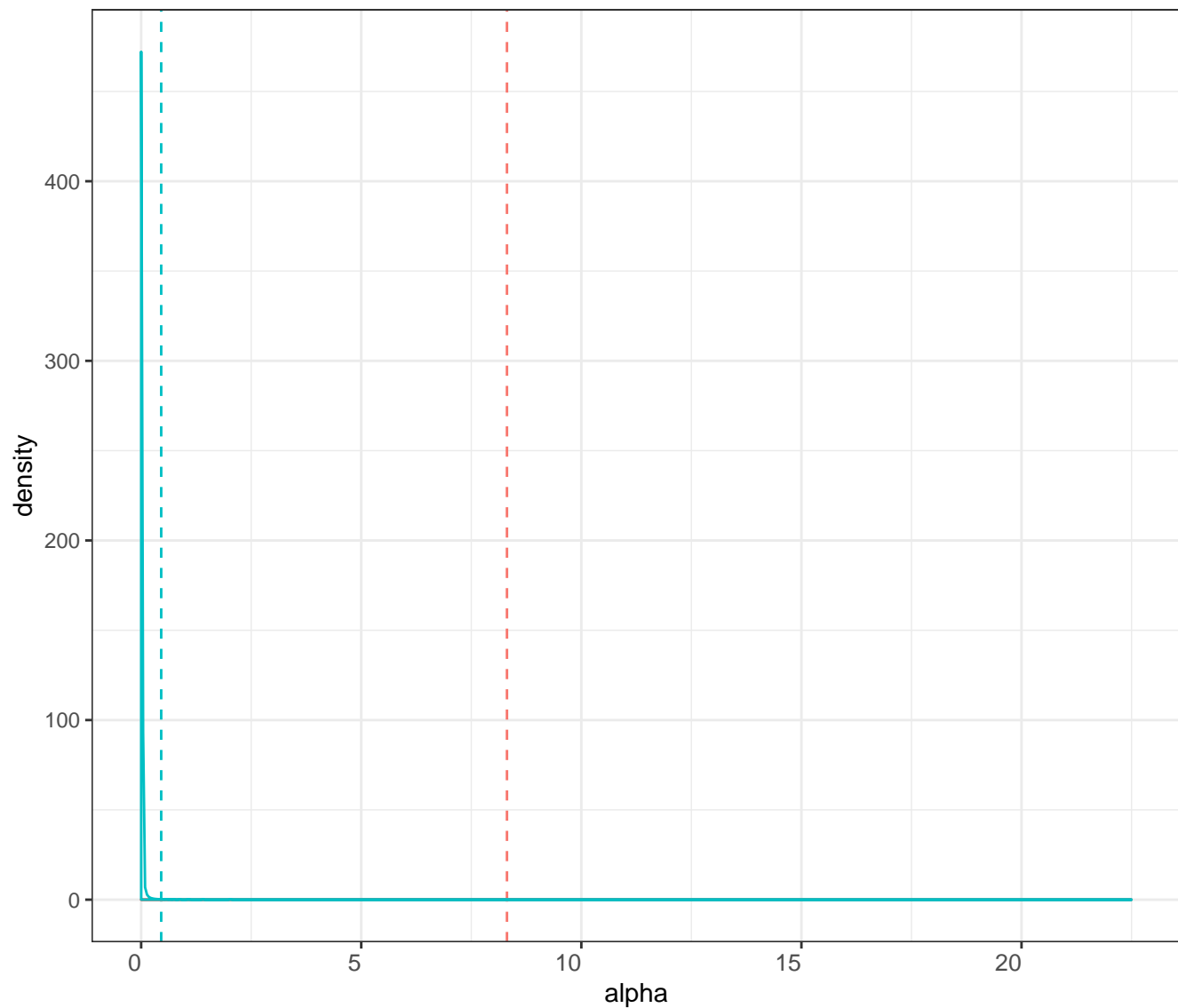Trace plot for the number of groups K for S=50 r=20 true K=4 type=4

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

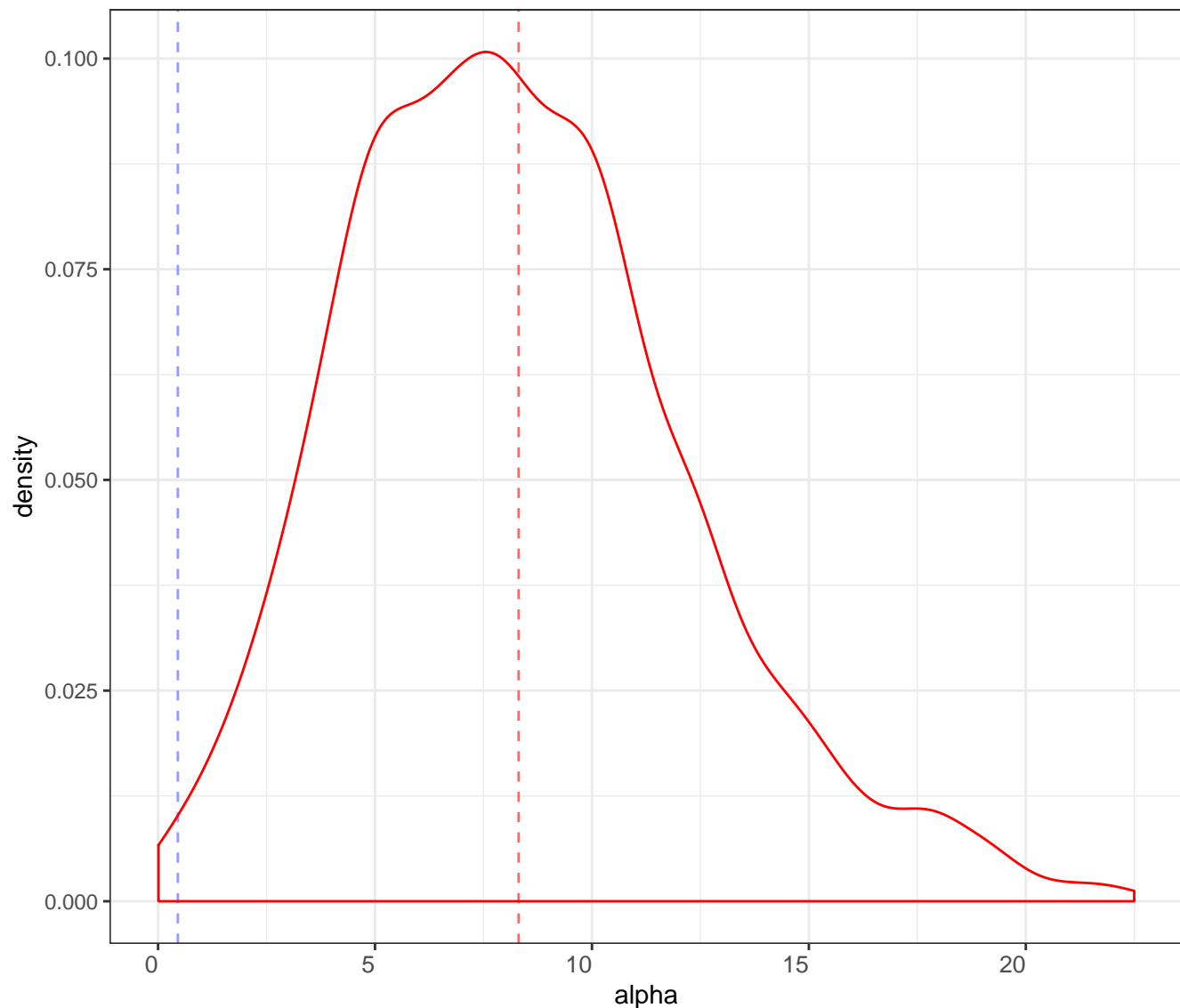Distribution alpha: S=50 ,r=20 true gr K=4 ,type=4 ,N=64

type · · · posterior · · · prior

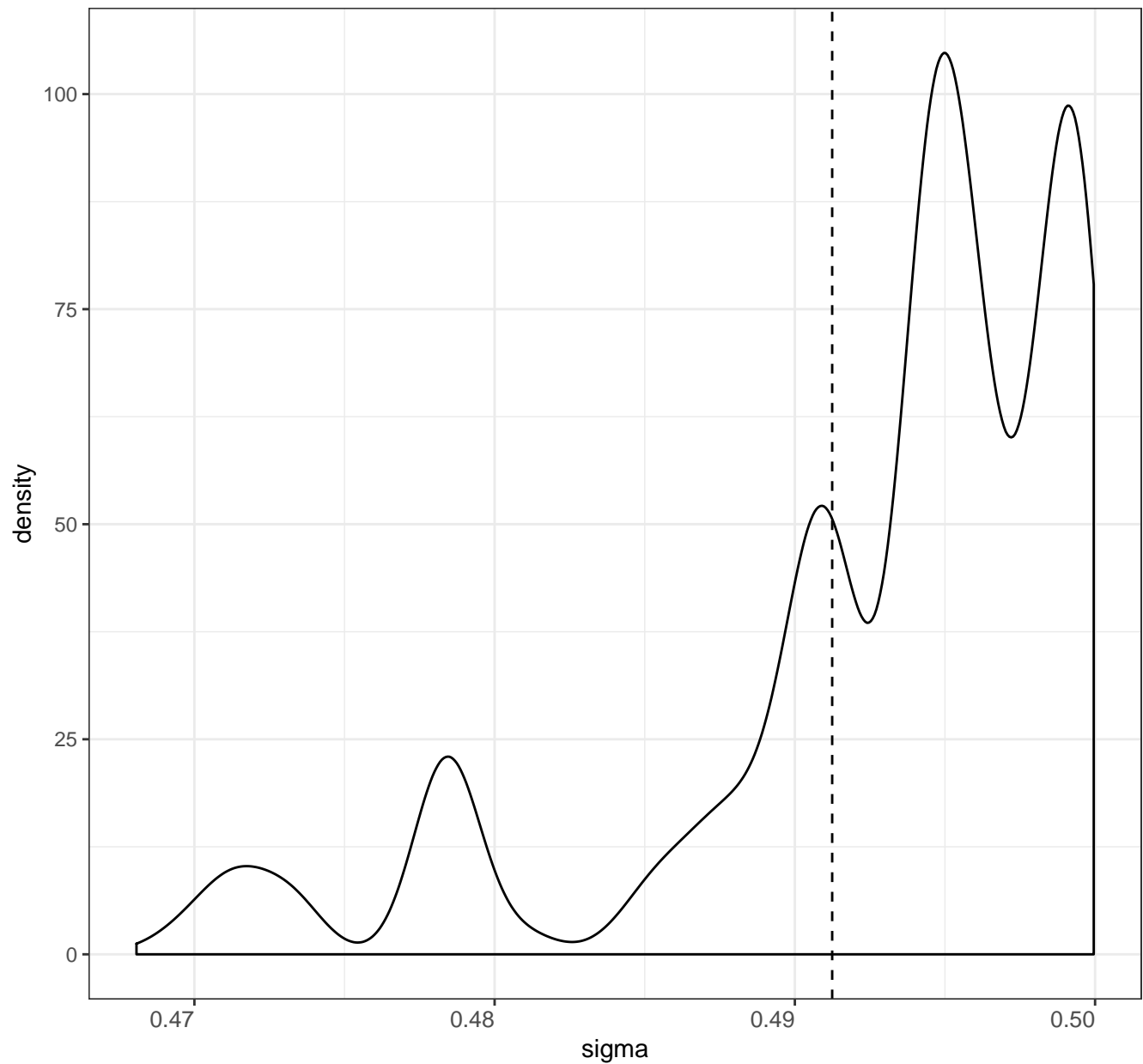Number of iterations: 5000 burnin: 2000 number of samples: 500
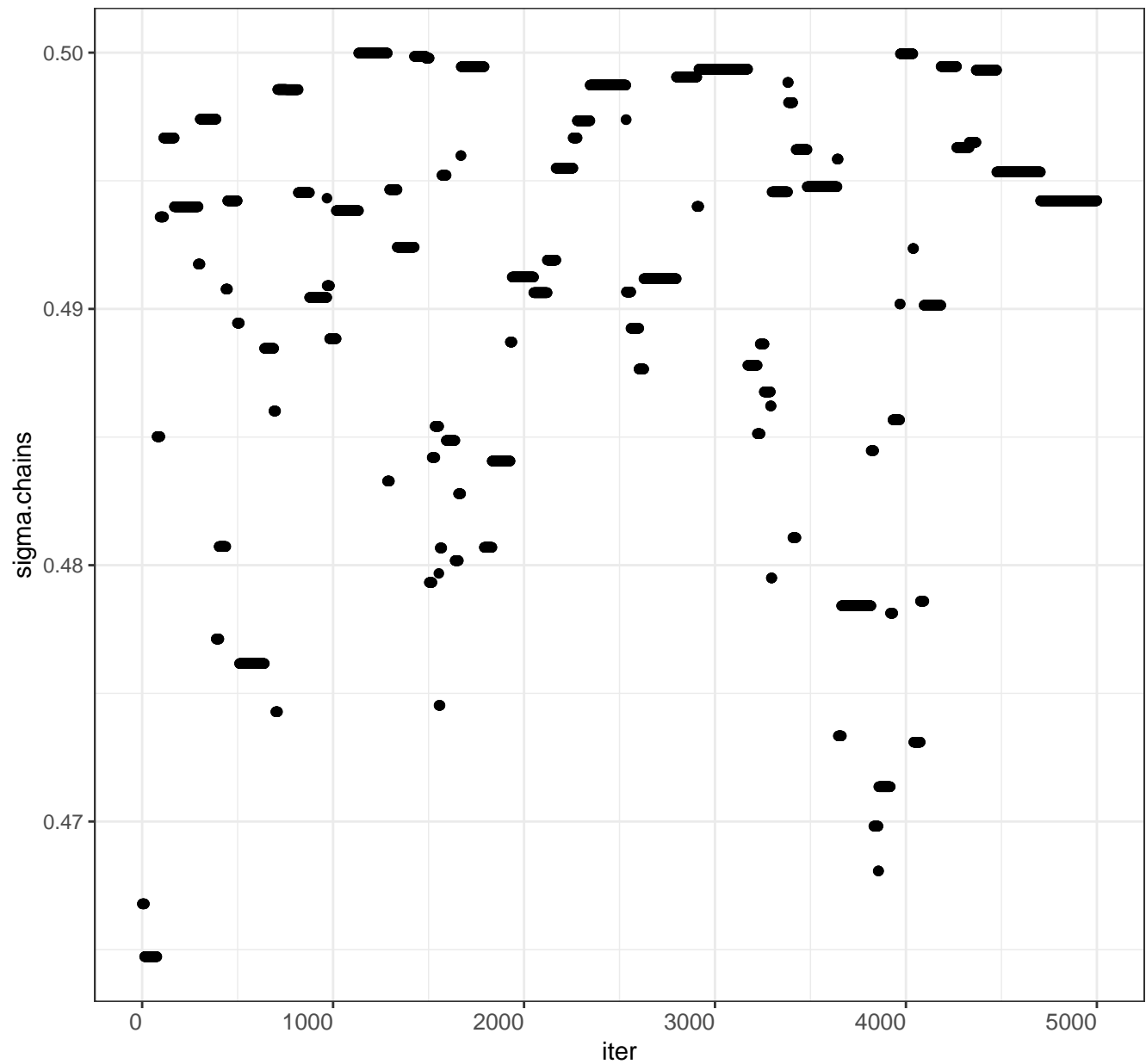
Posterior distribution for alpha

Number of iterations: 5000 burnin: 2000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=4 ,N=64

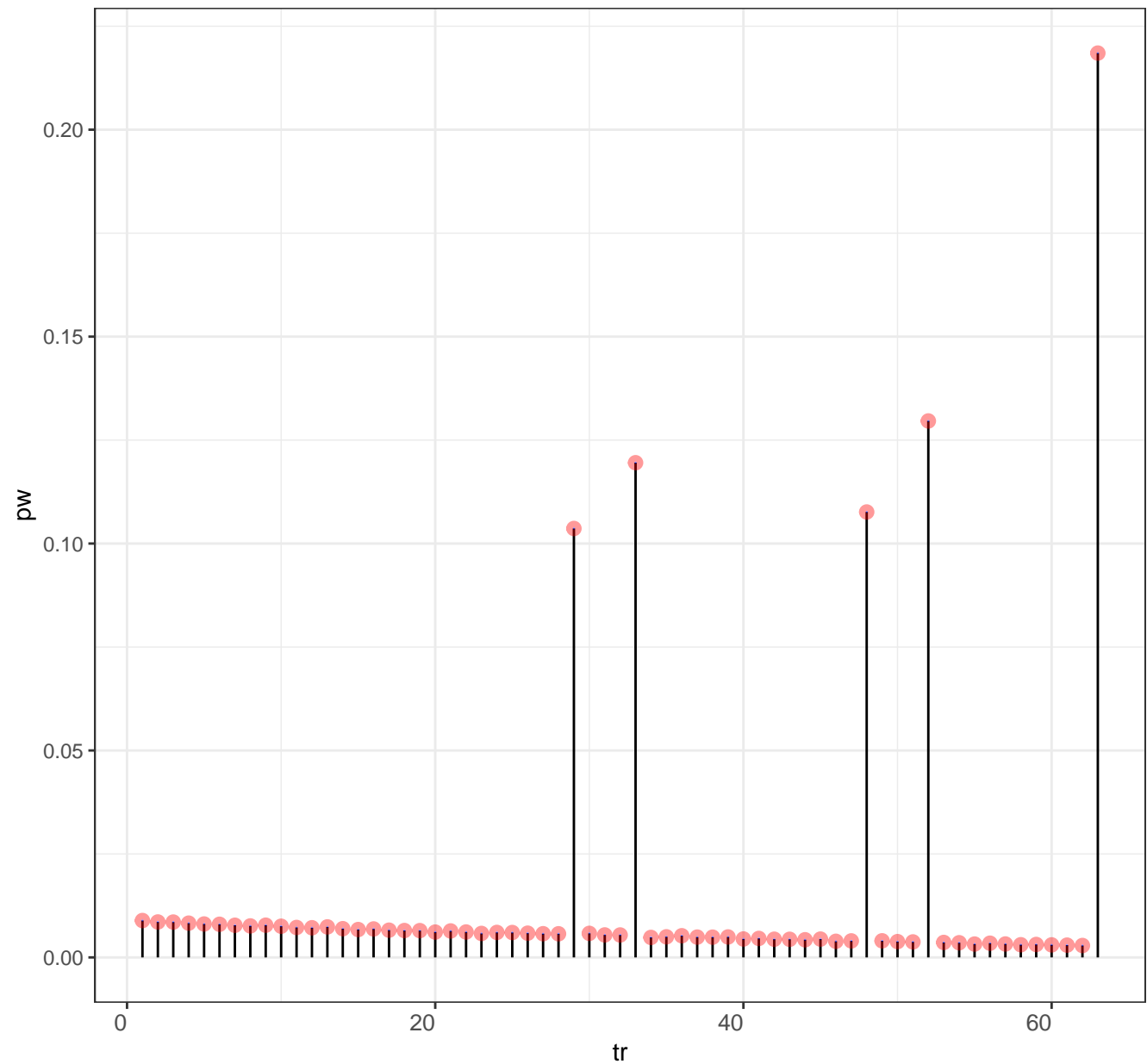Distribution sigma: S=50 ,r=20 true gr K=4 ,type=4 ,N=64

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

Trace plot for the sigma for S=50 r=20 true K=4 type=4

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

Weights for the case: S=50 ,r=20 true gr K=4 ,type=4 ,N=64 pN=0.219

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