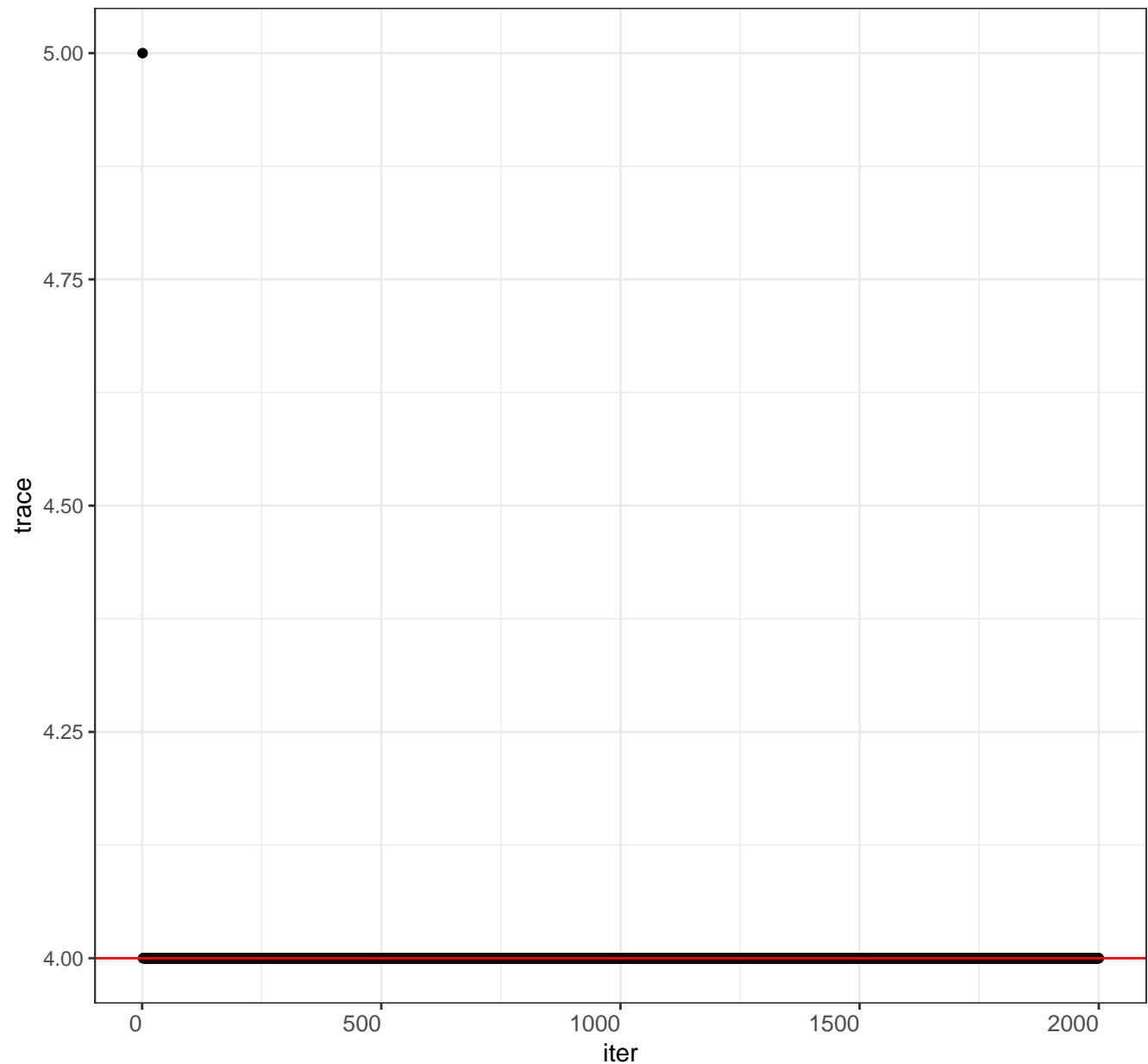




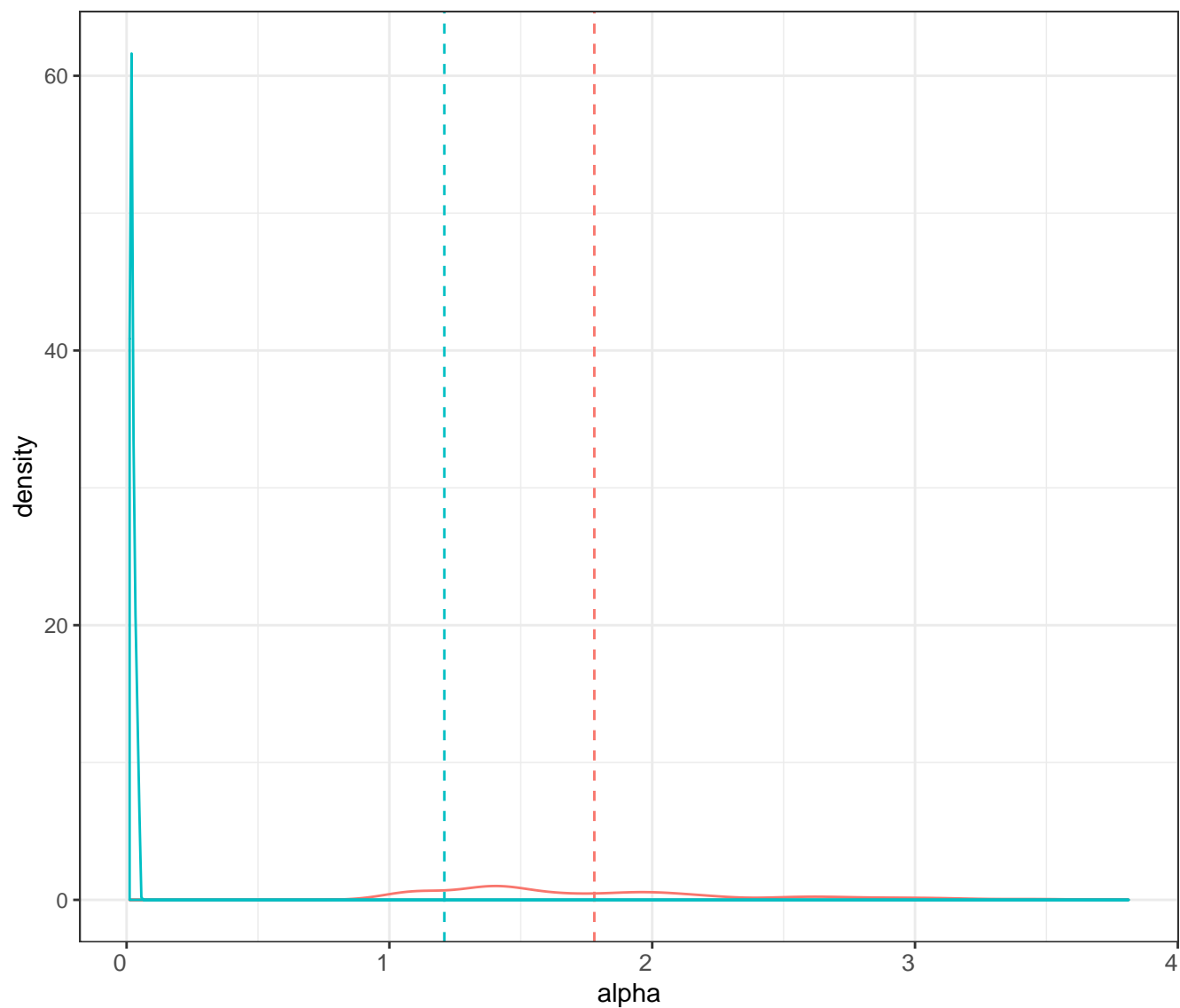
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

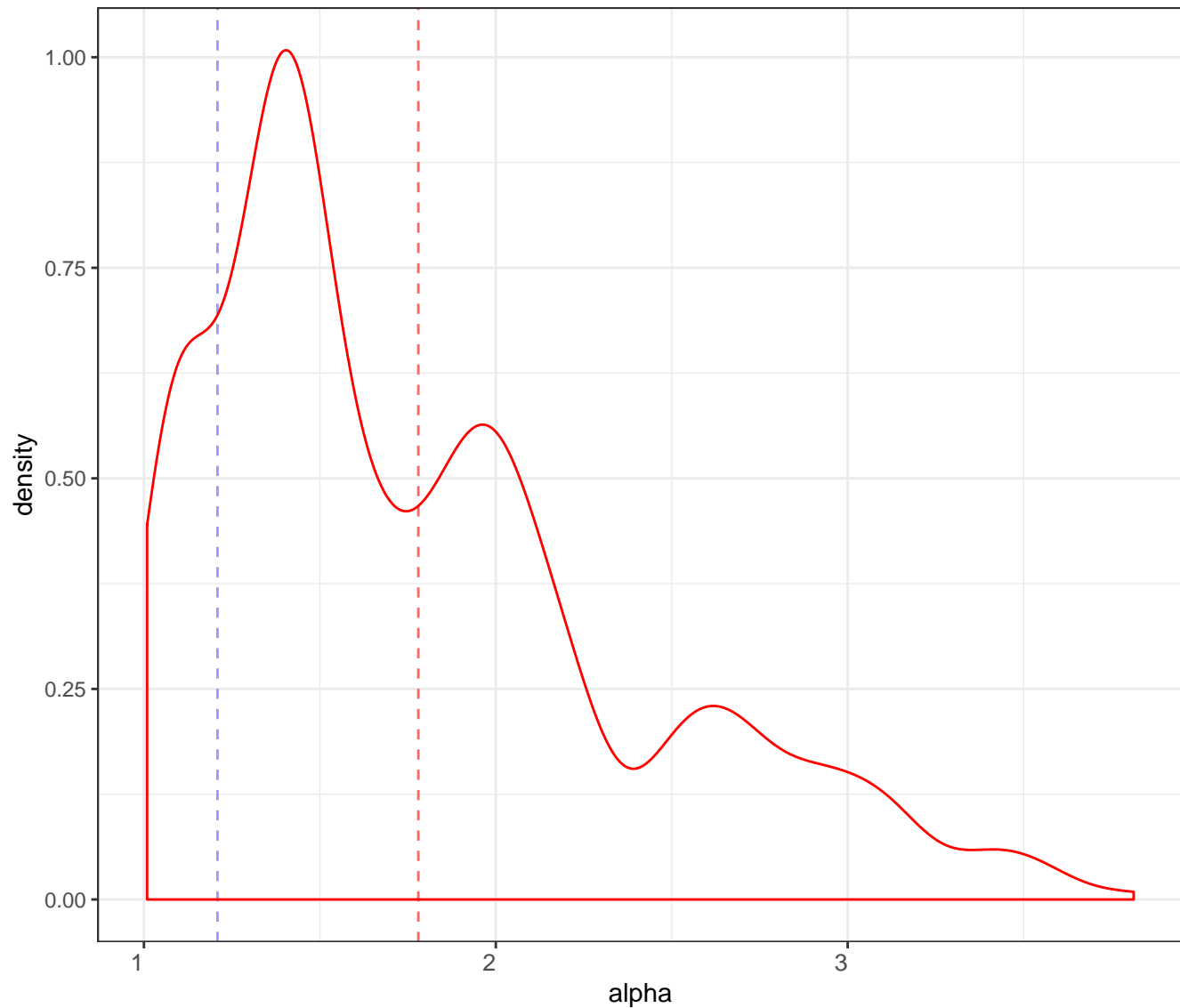
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

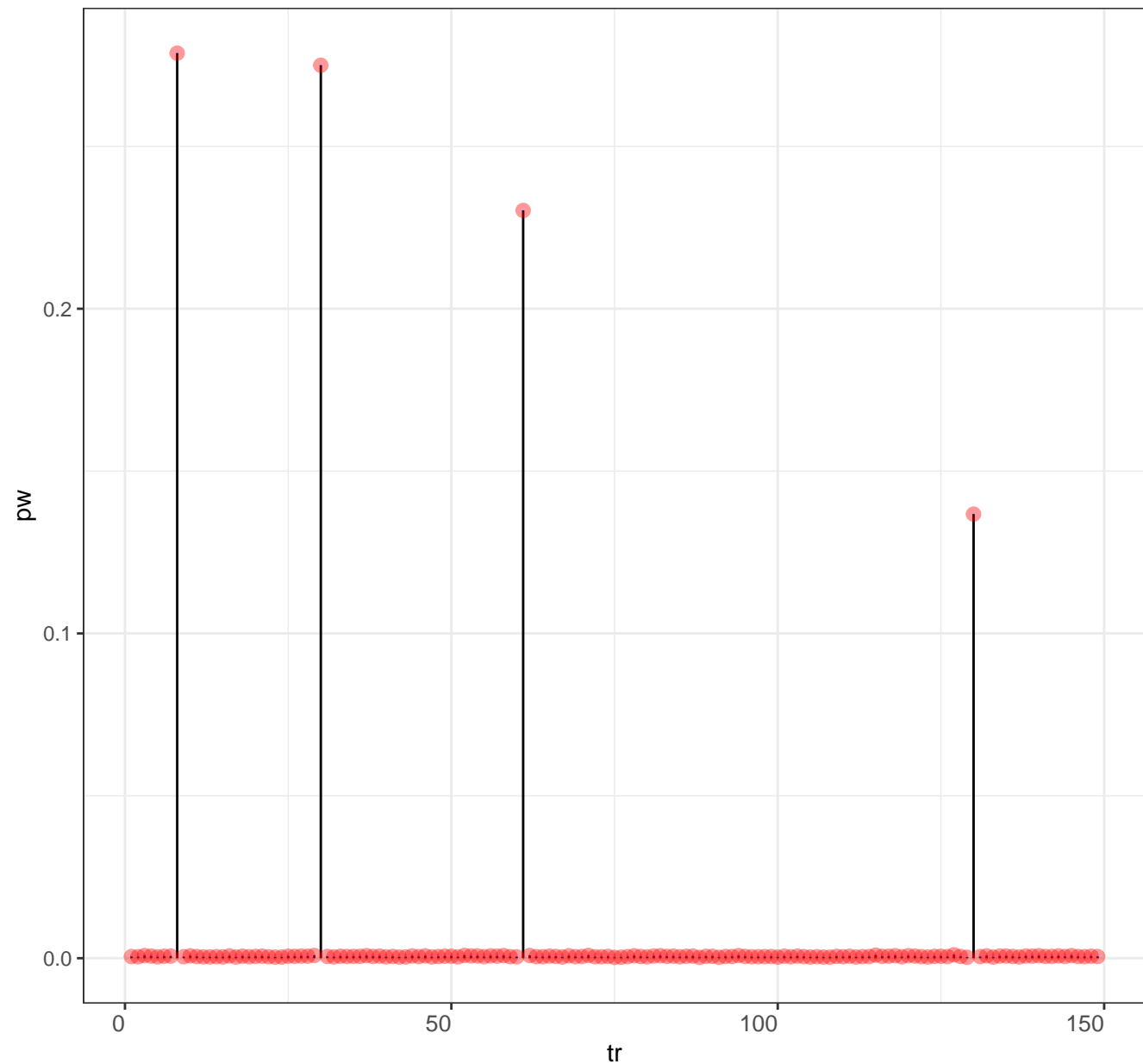
Posterior distribution for alpha

Legend posterior mean prior mean



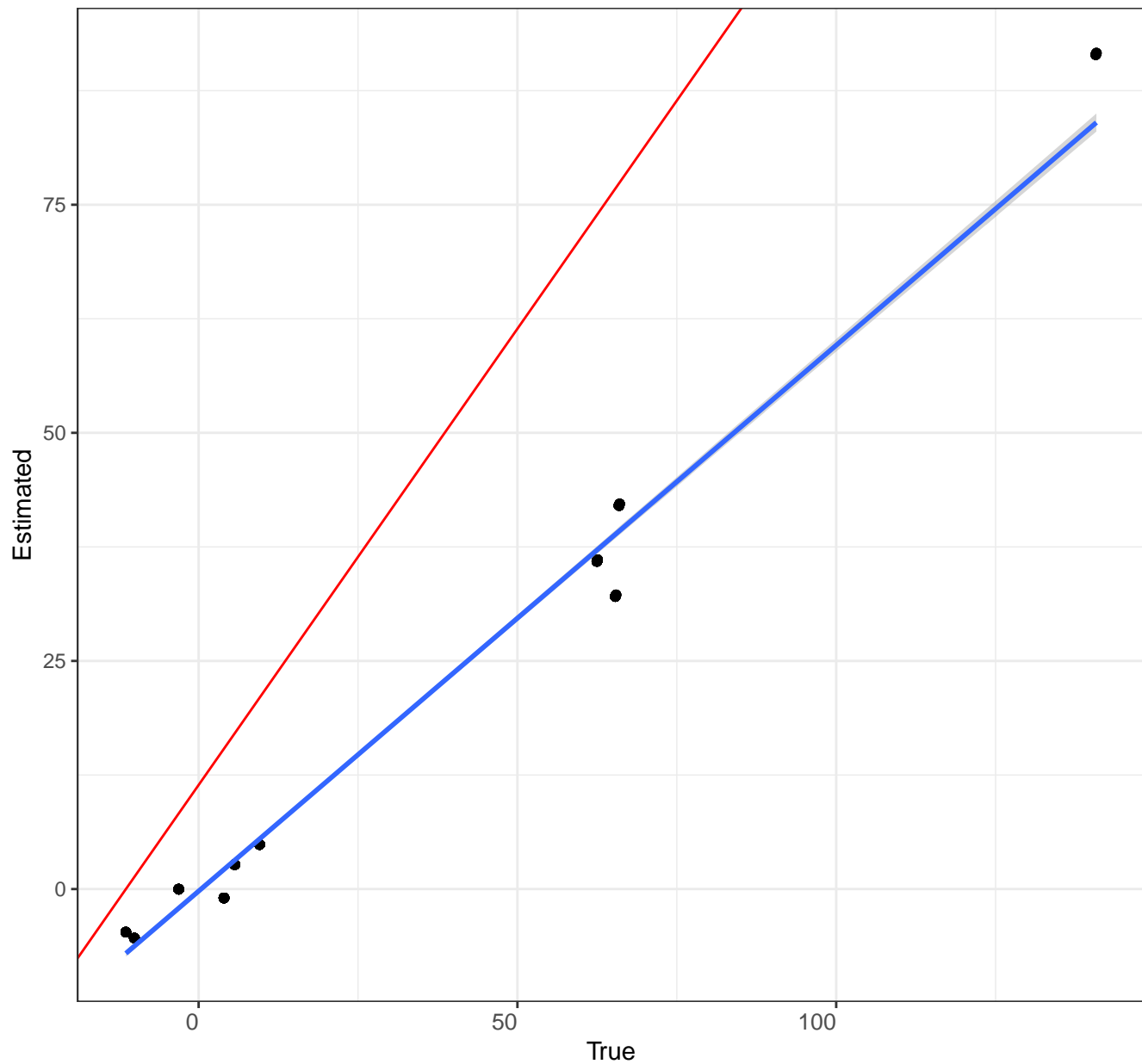
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



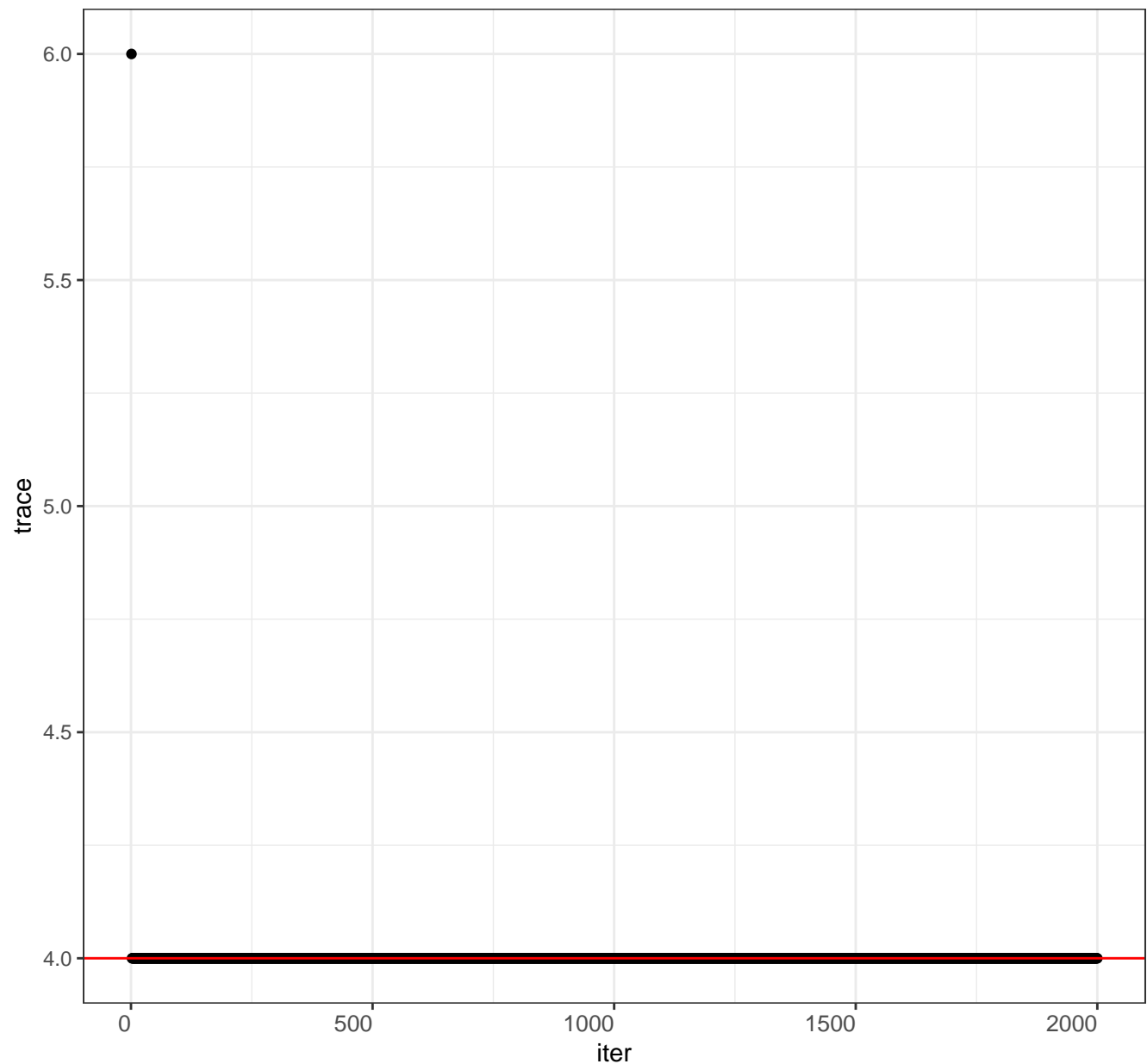
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

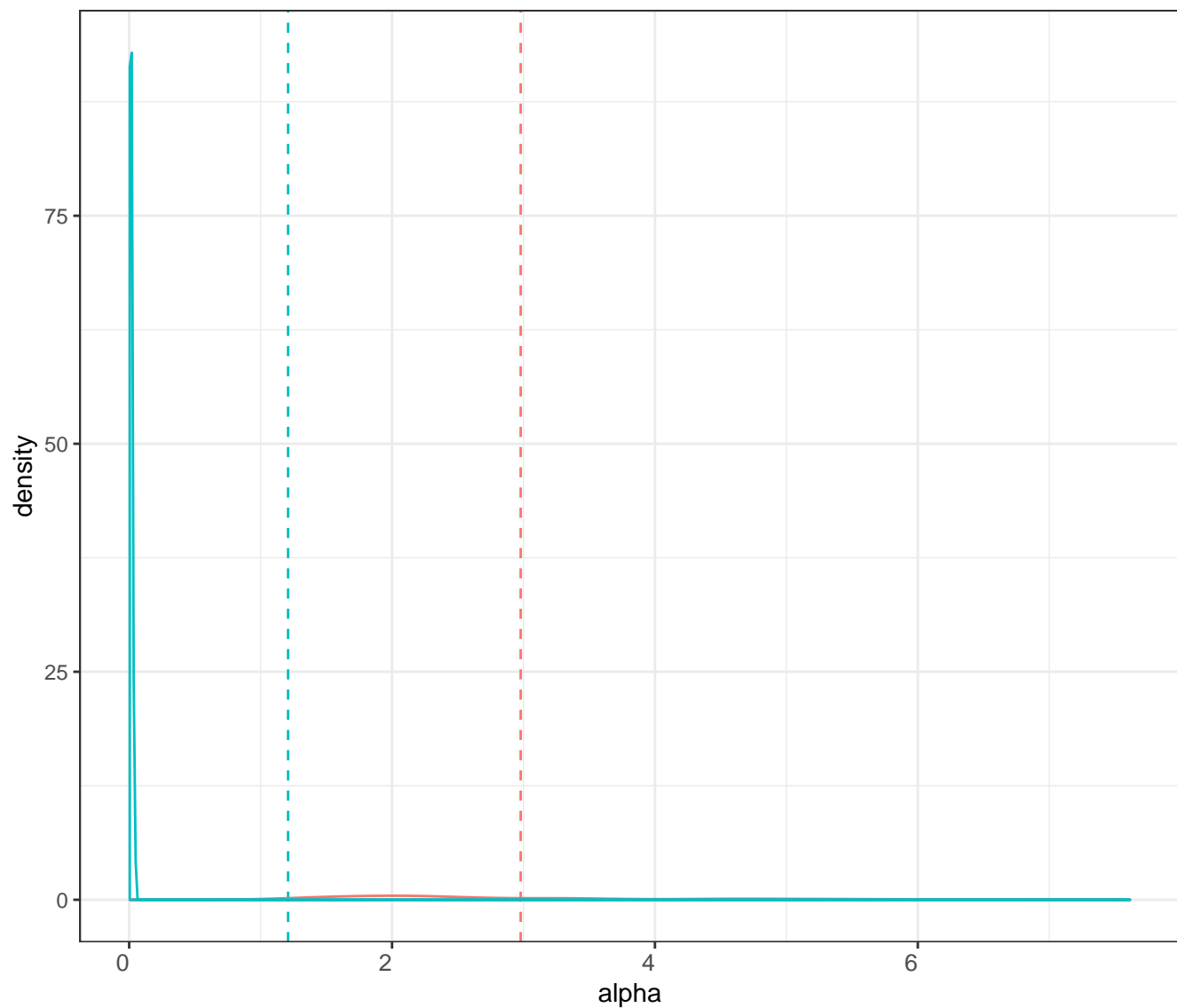
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

type  posterior  prior



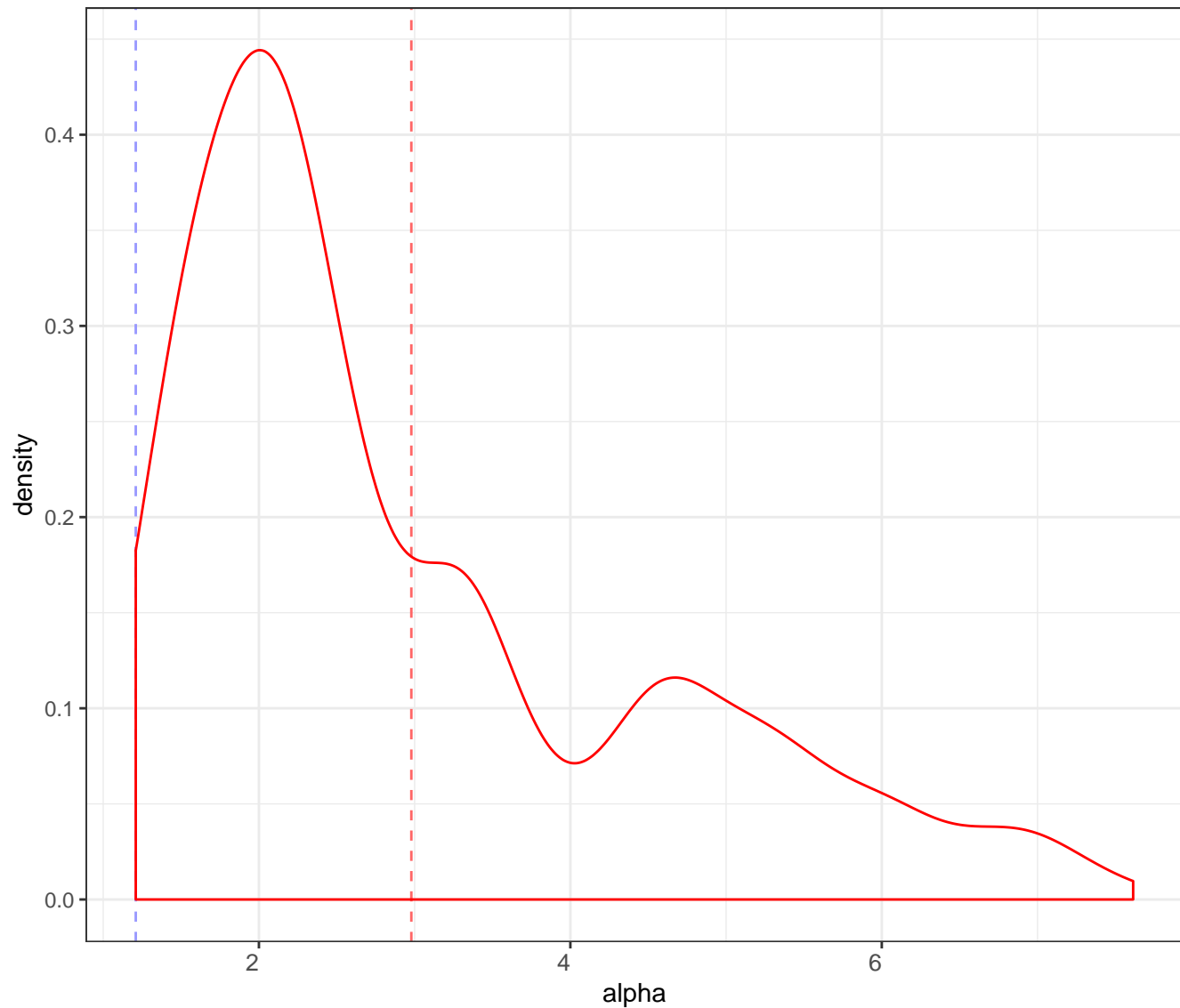
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

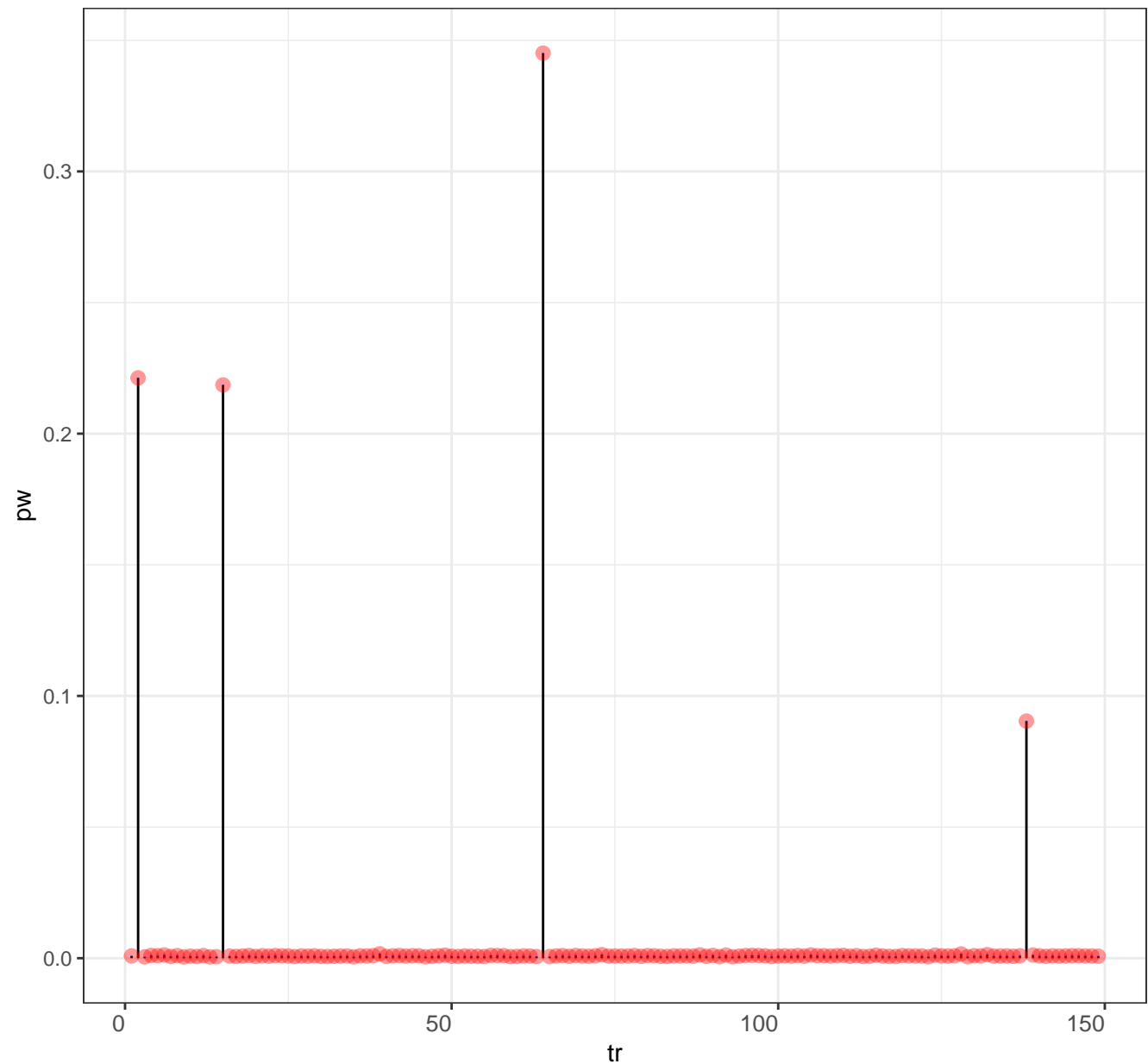
posterior mean

prior mean



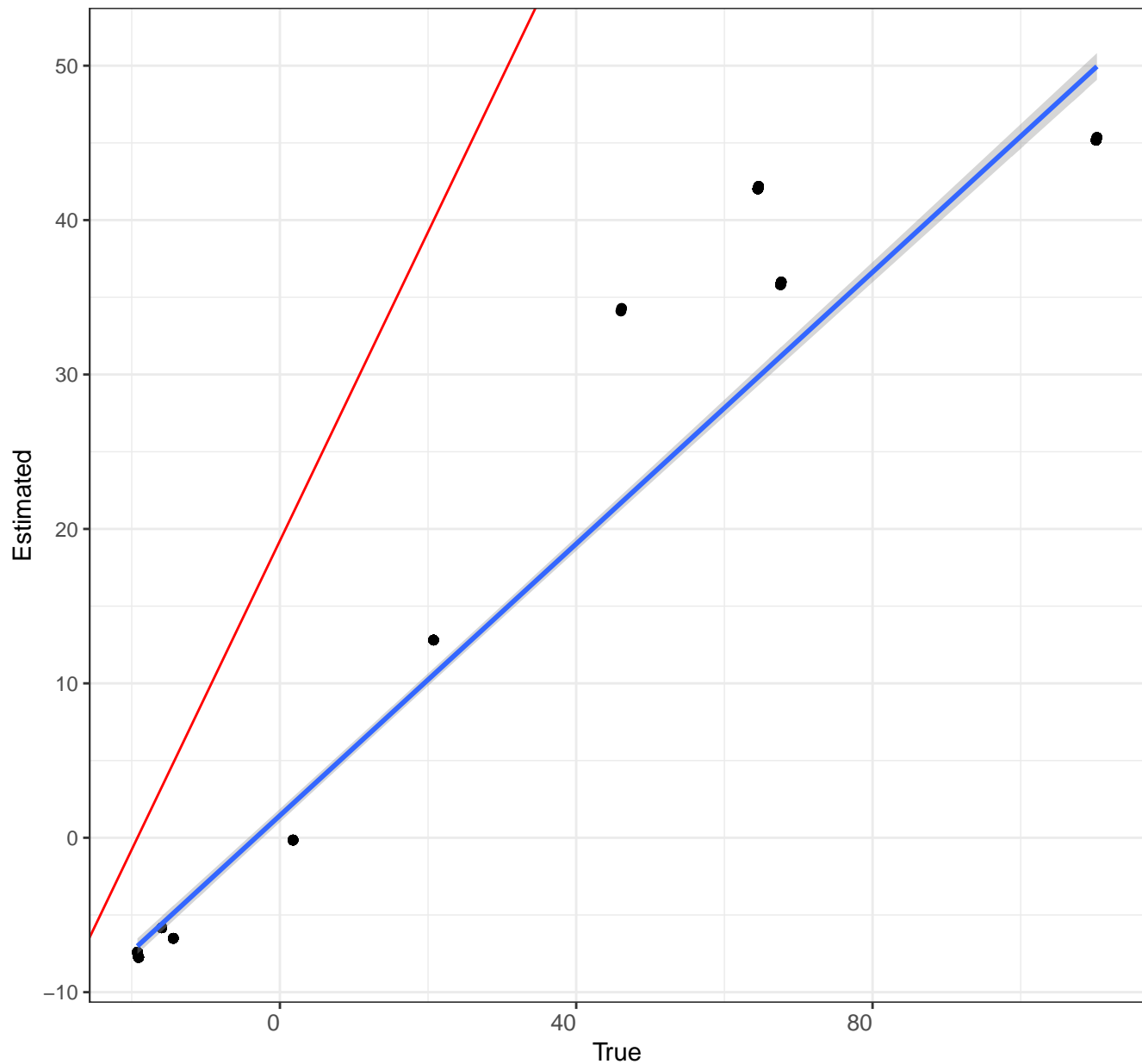
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



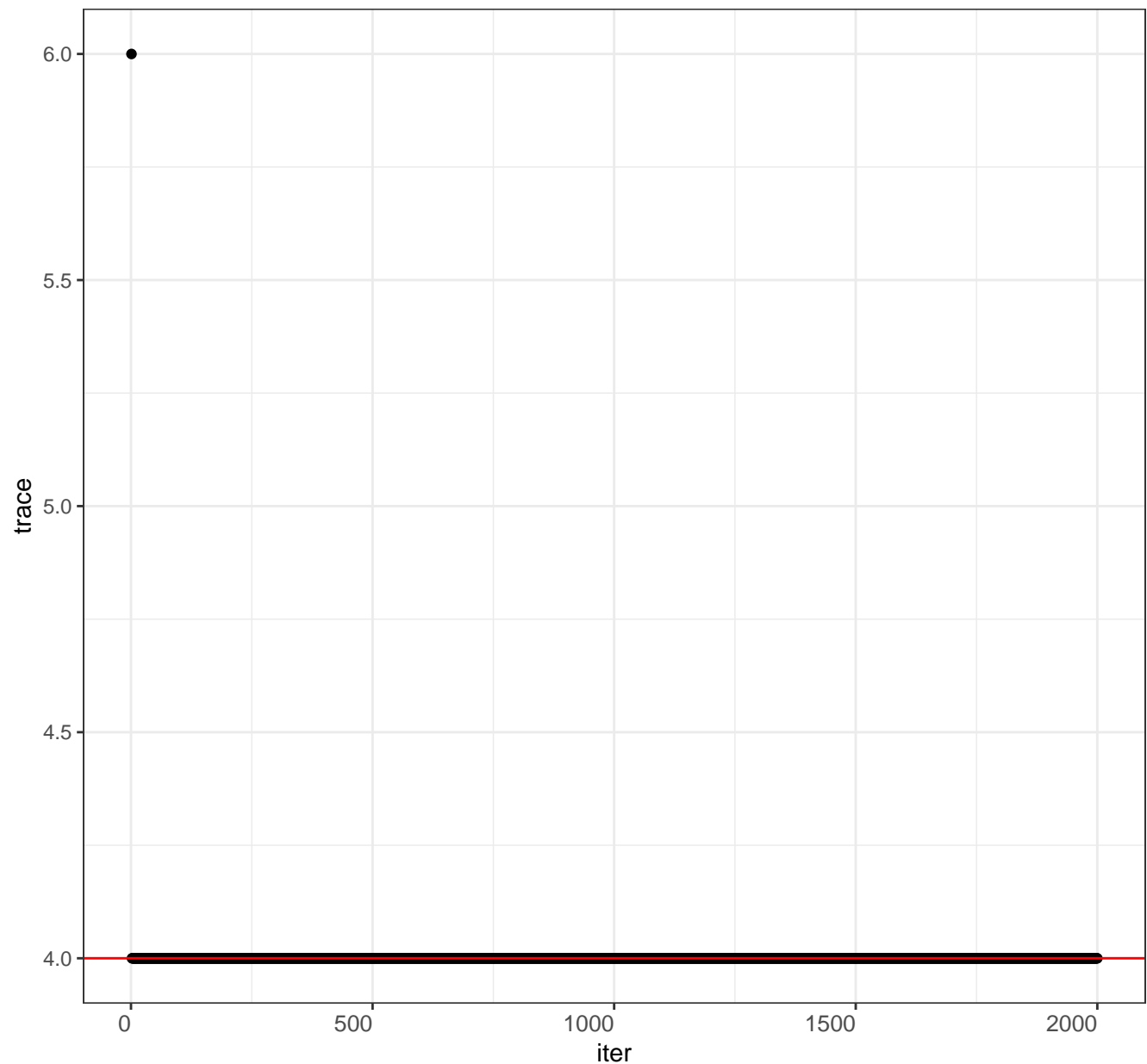
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

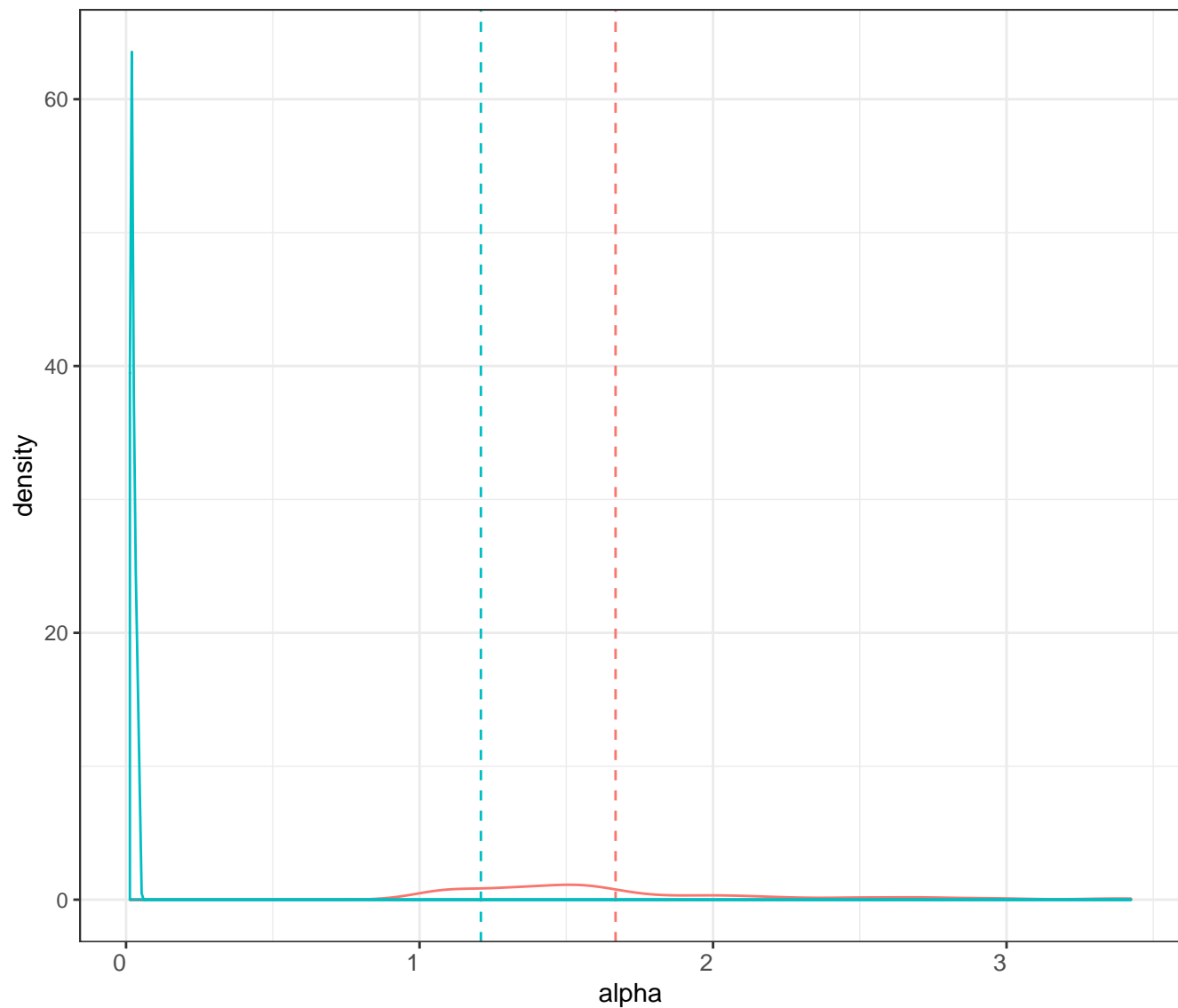
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

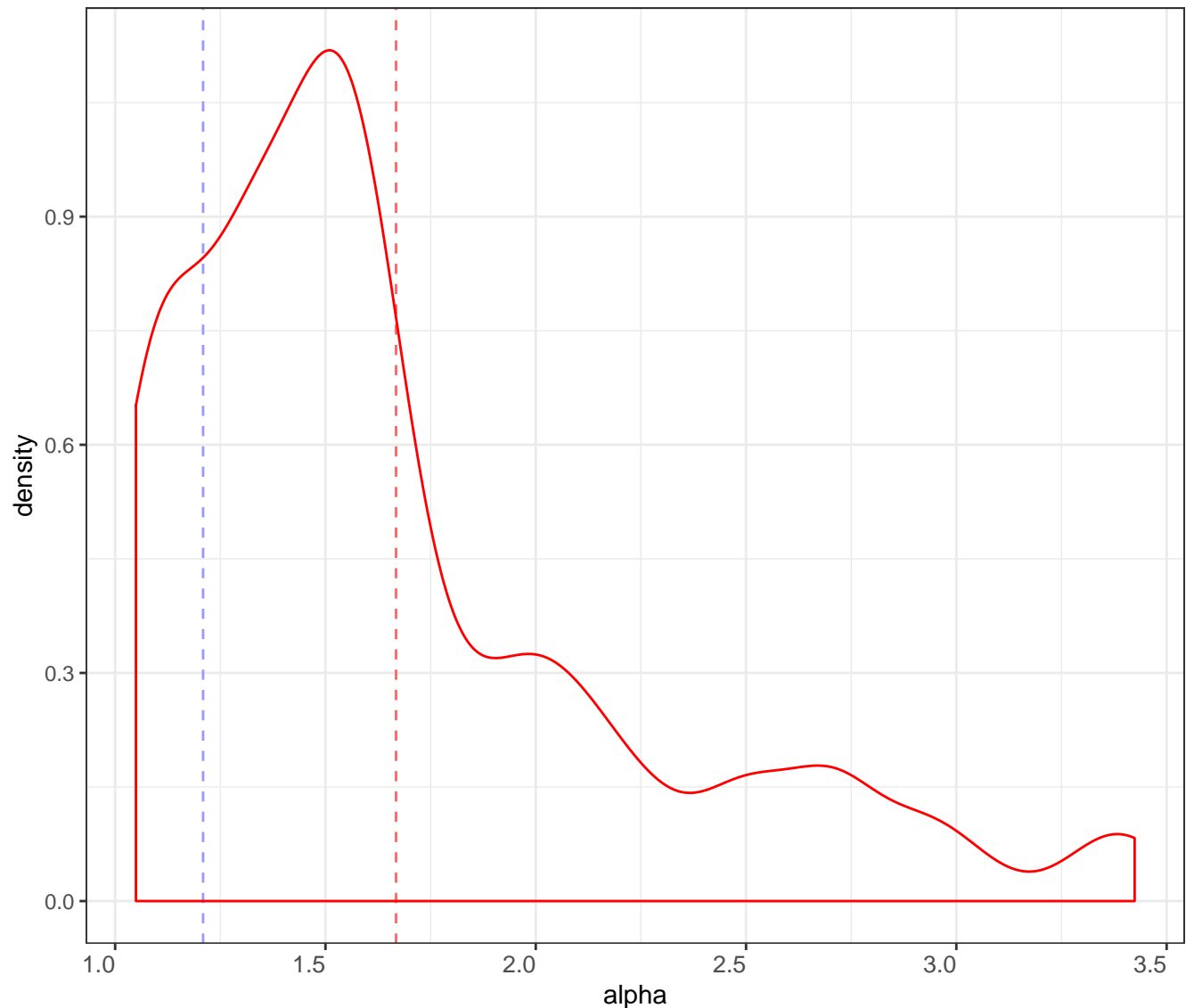
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

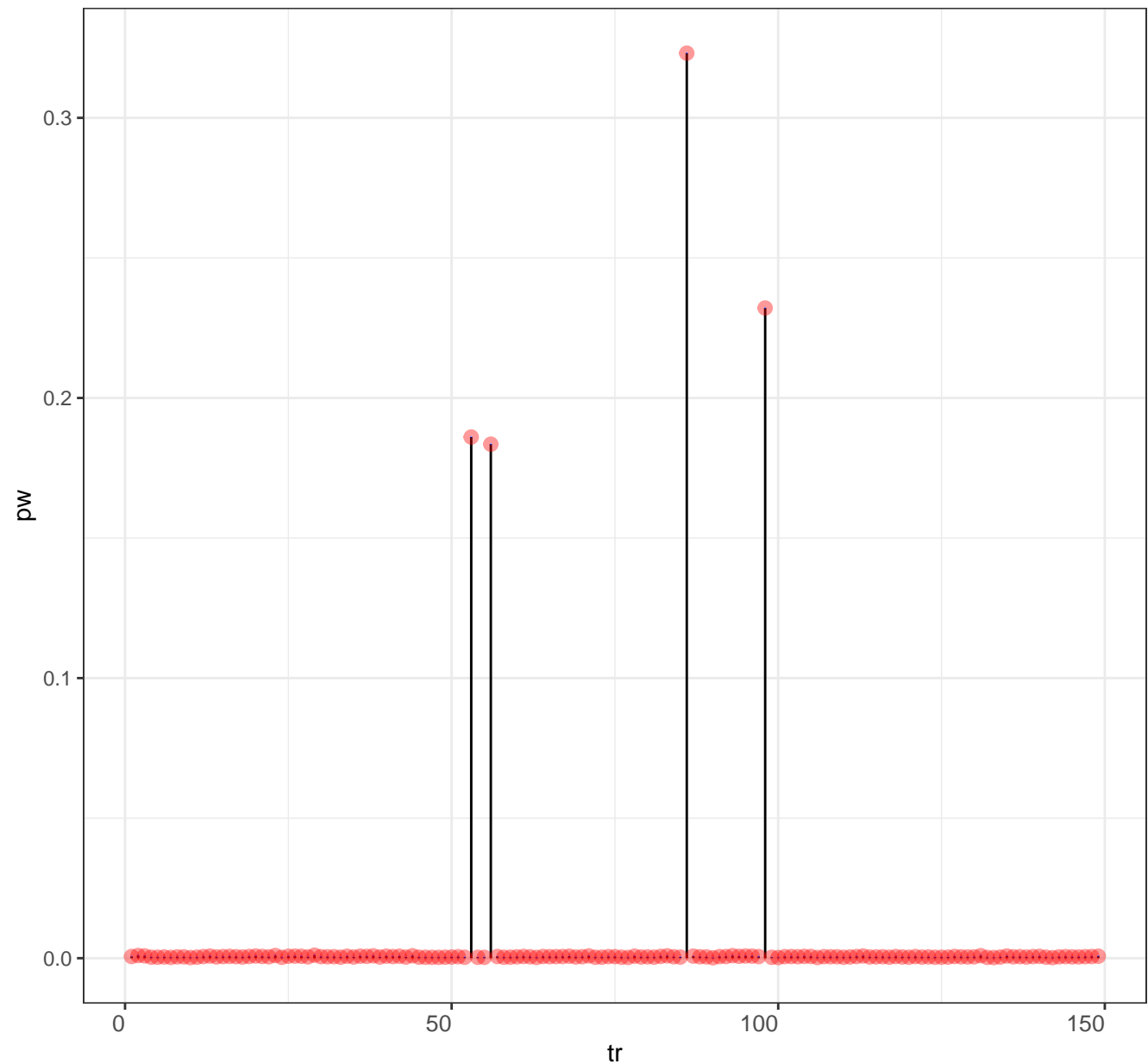
Posterior distribution for alpha

Legend posterior mean prior mean



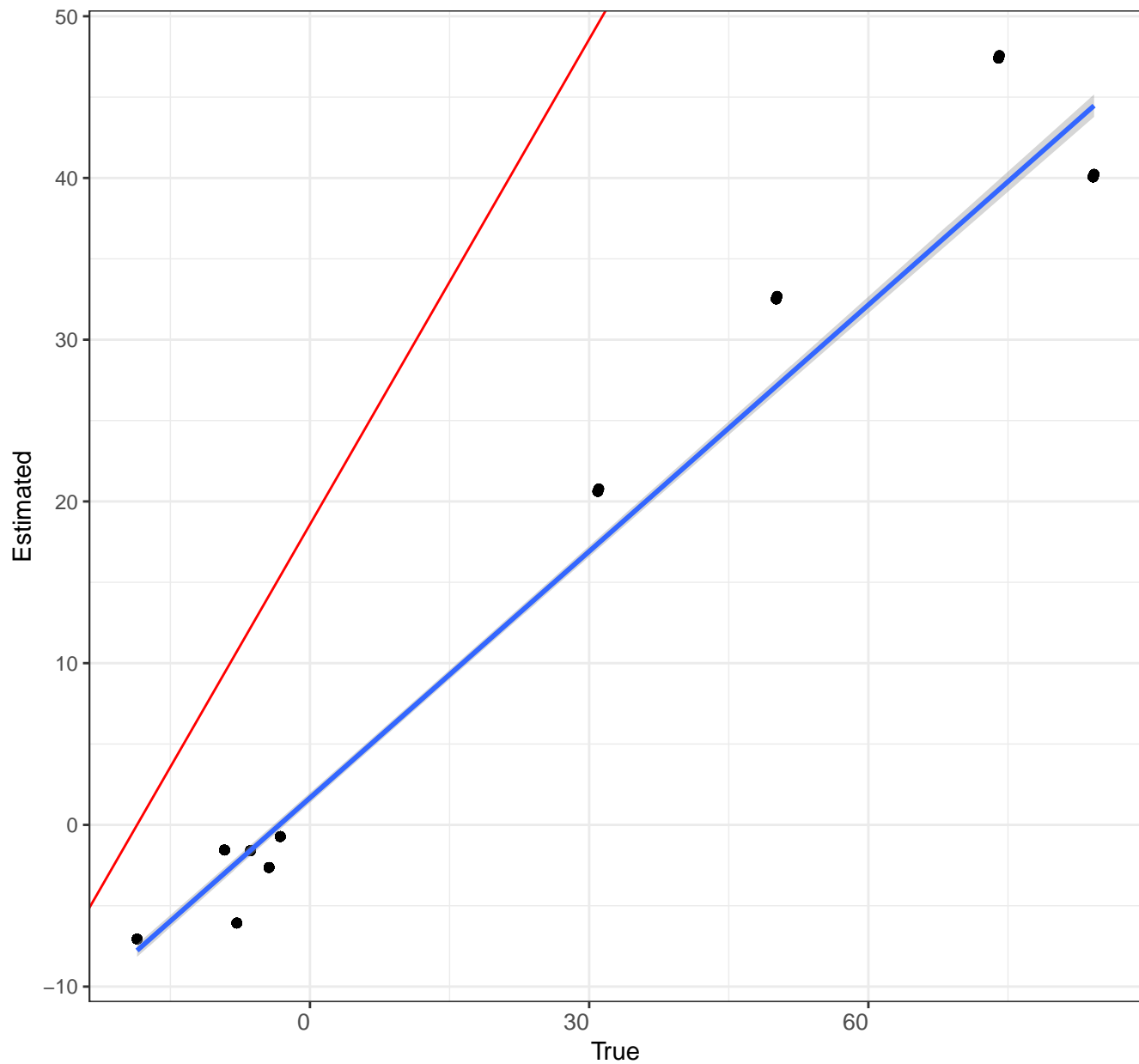
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: S=20 ,r=5 true gr K=4 ,type=2 ,N=150 pN=0.001



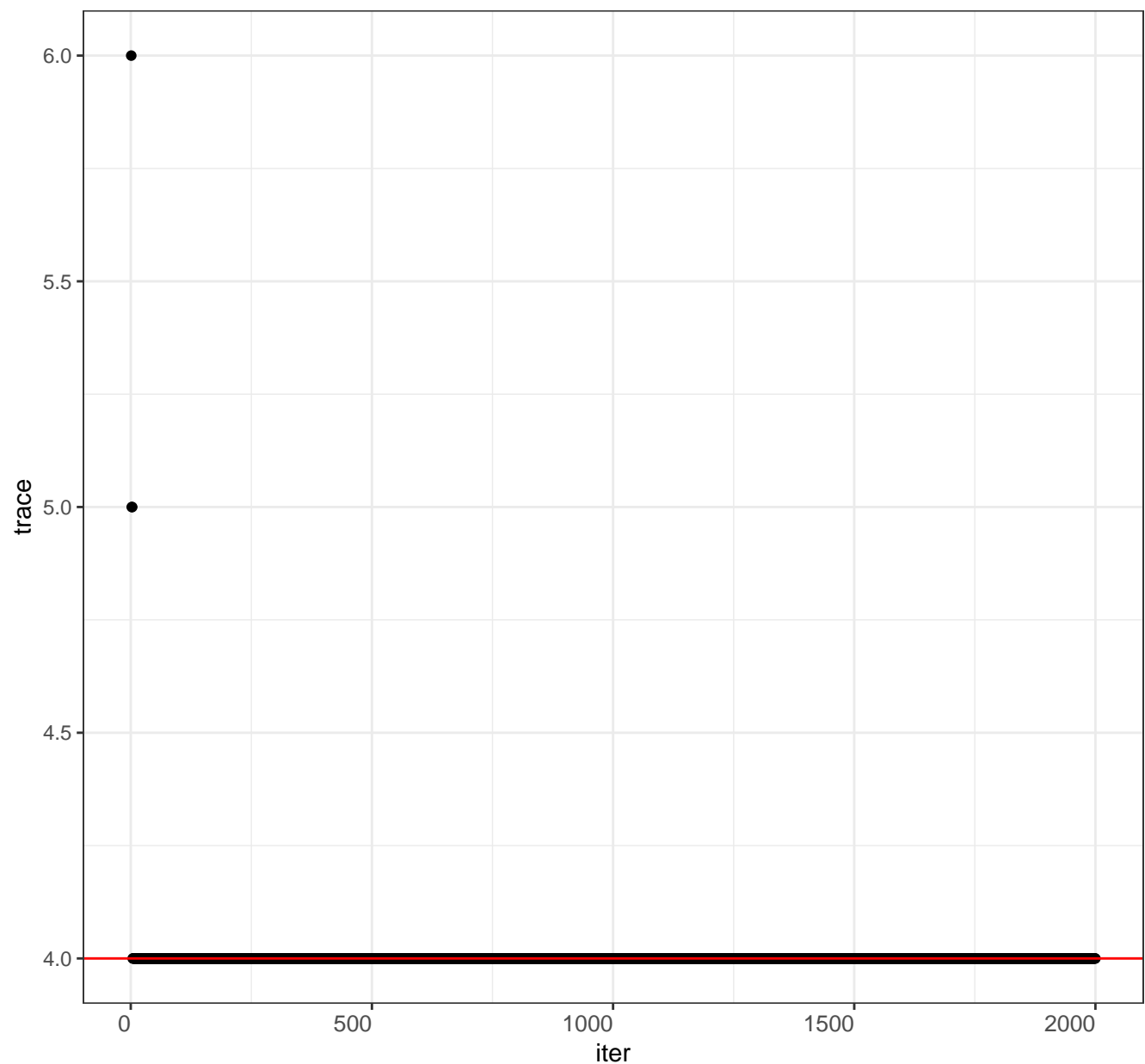
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



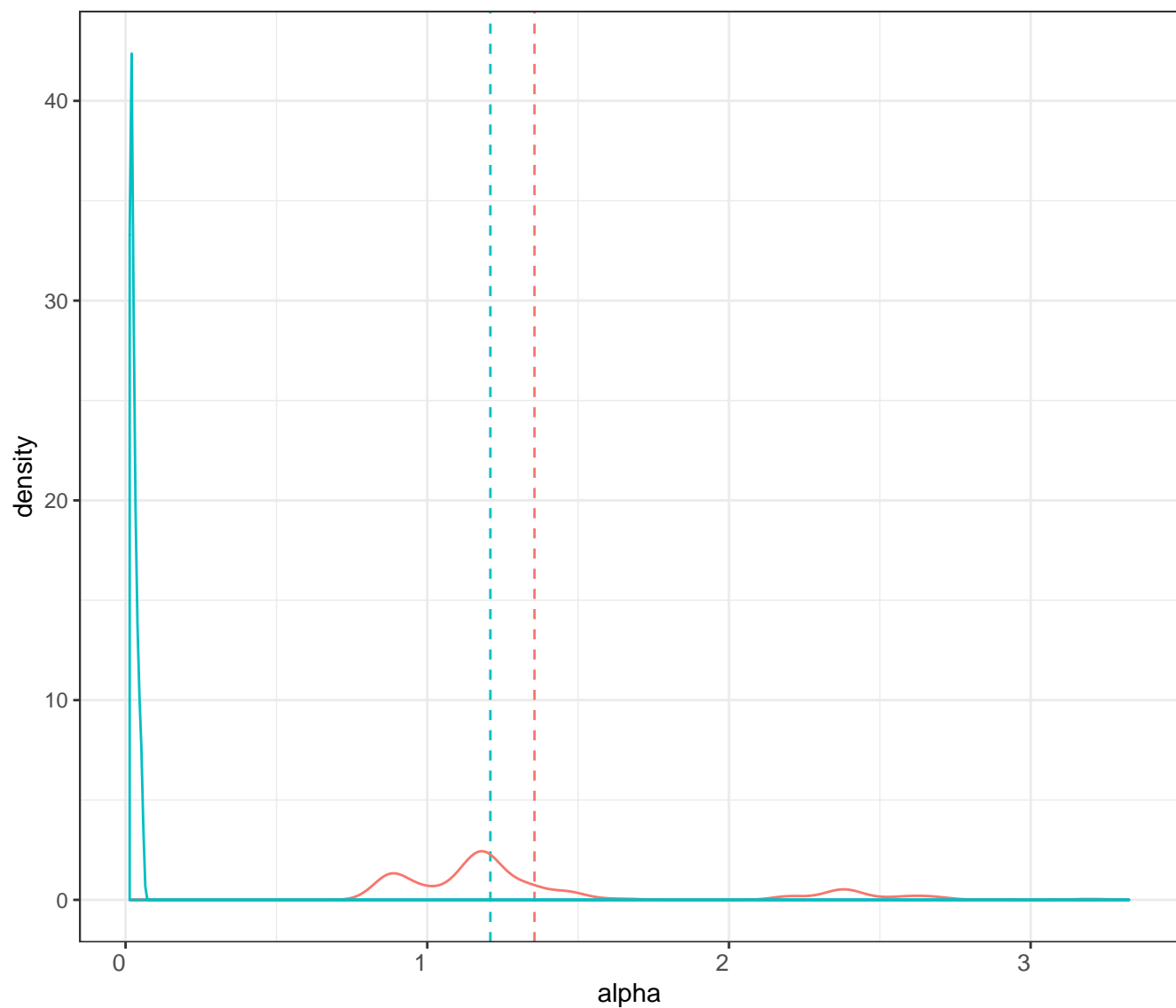
Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

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



Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

type ┆┆┆ posterior ┆┆┆ prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

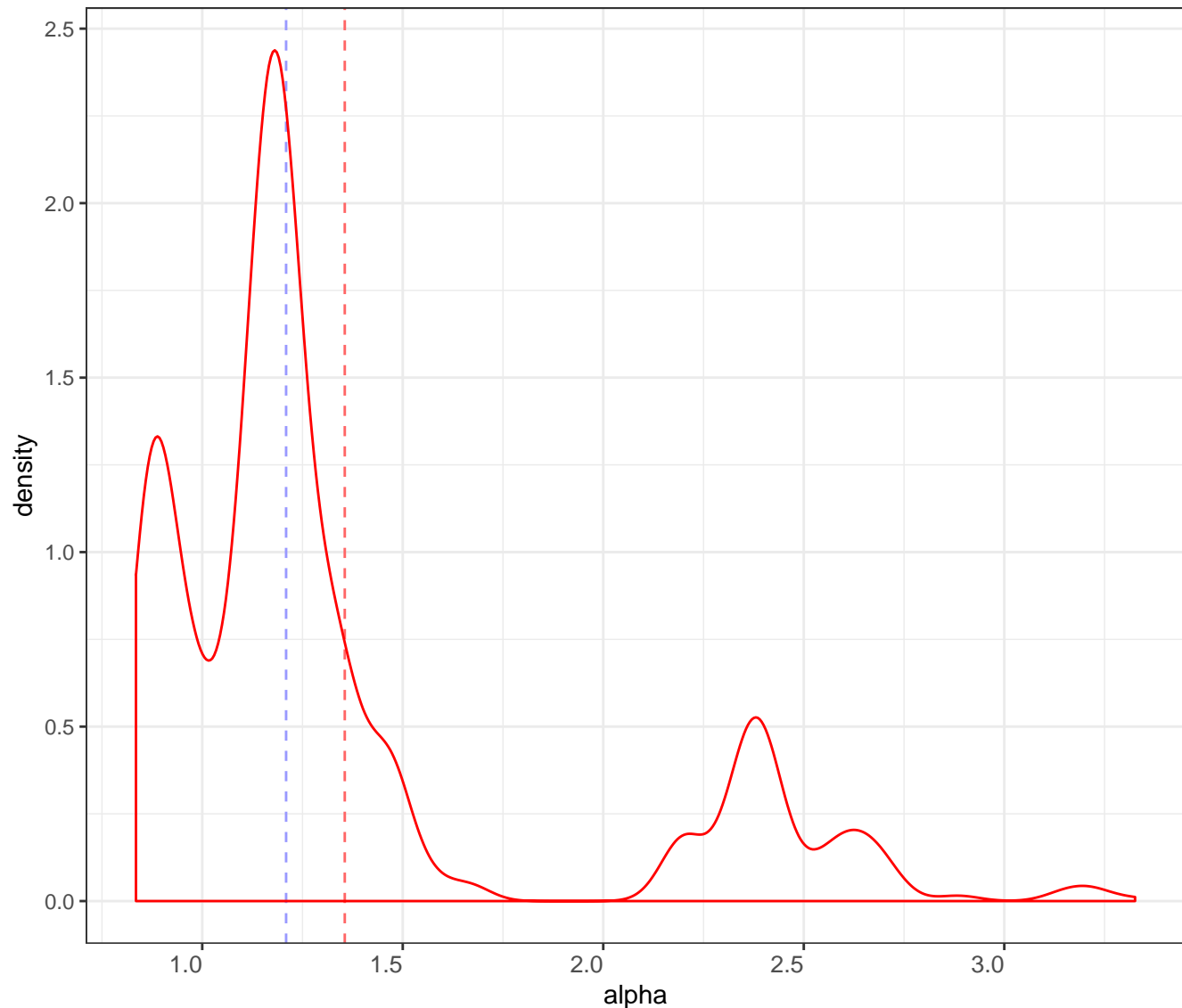
Legend



posterior mean

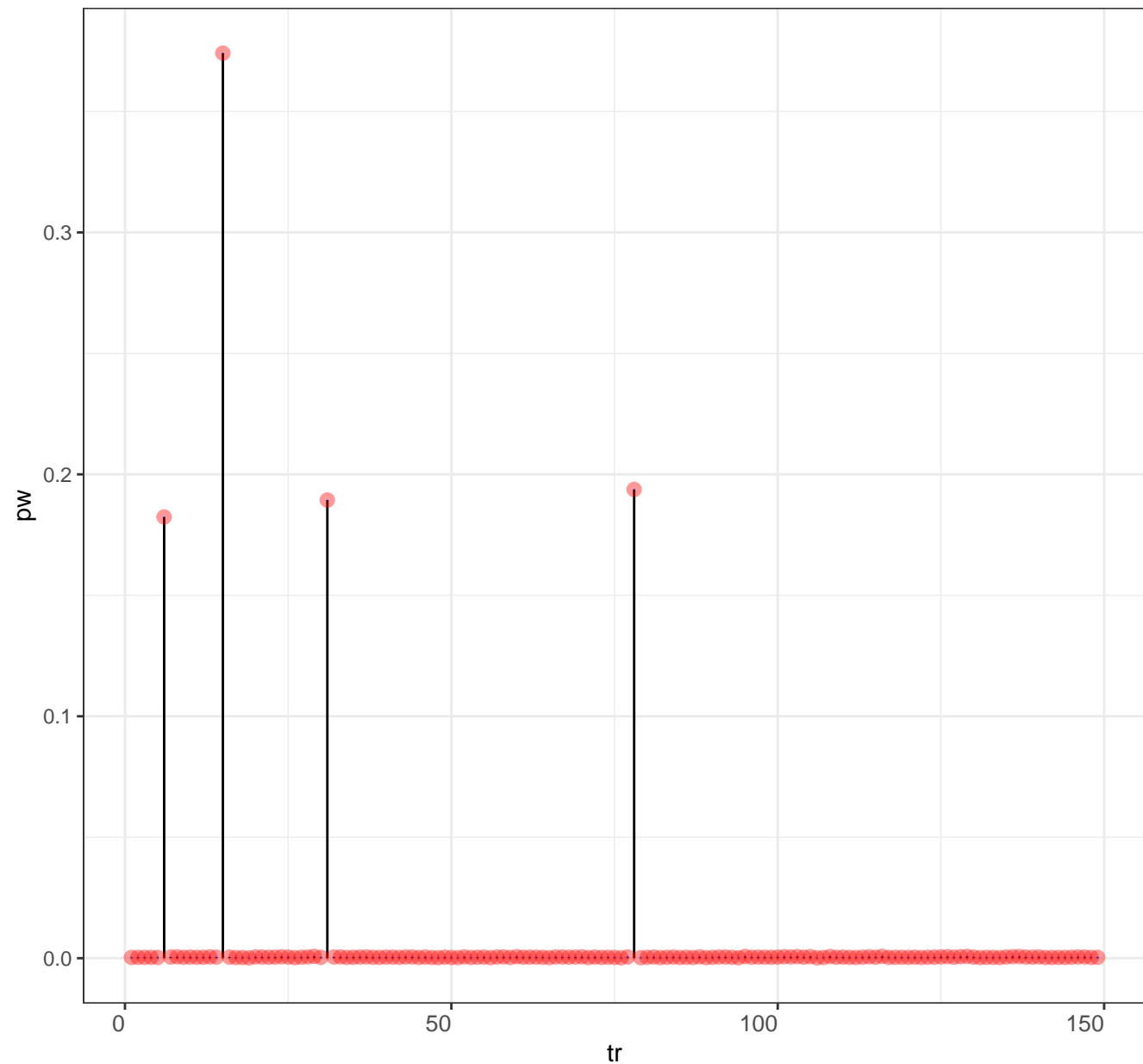


prior mean



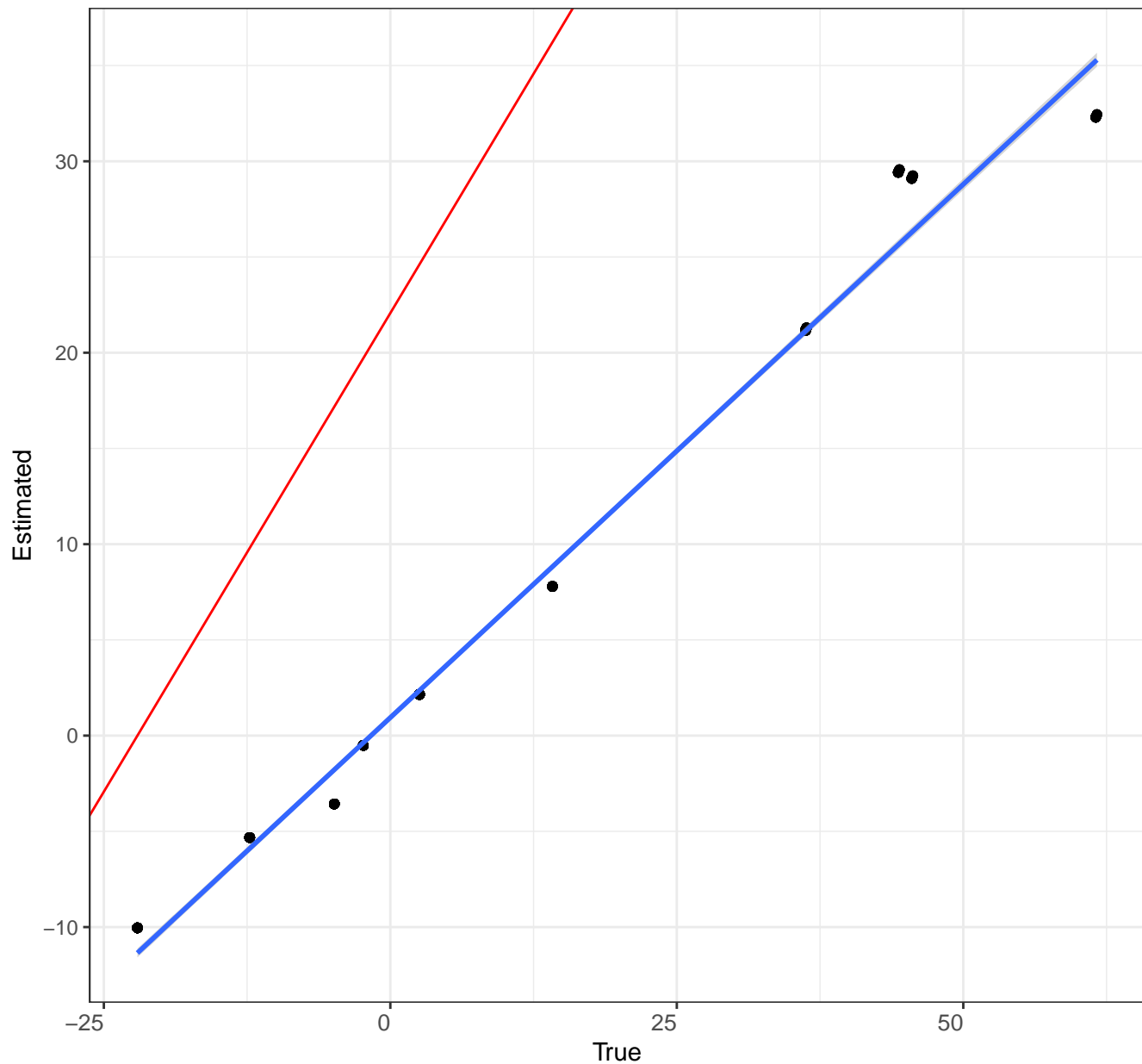
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



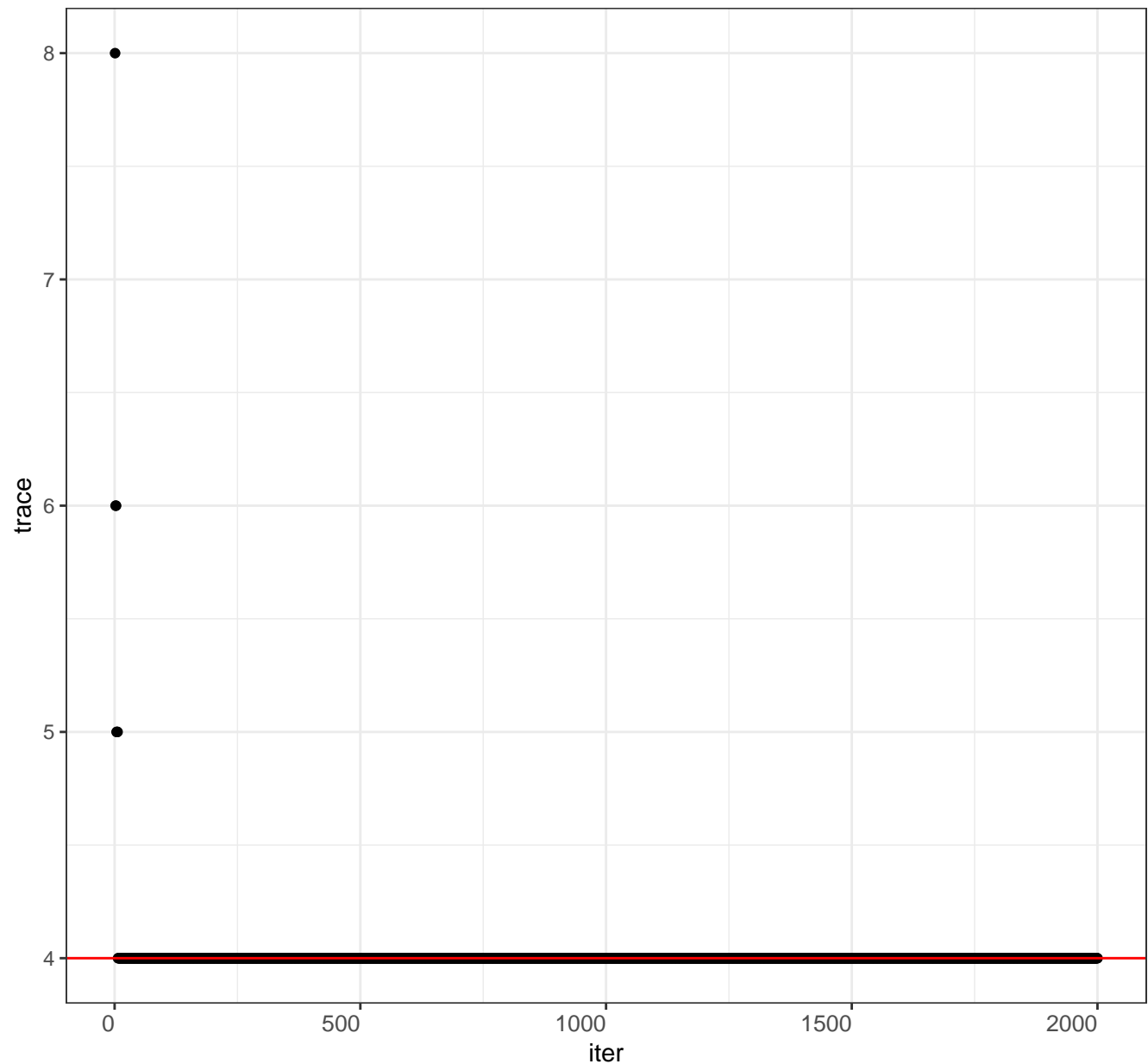
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

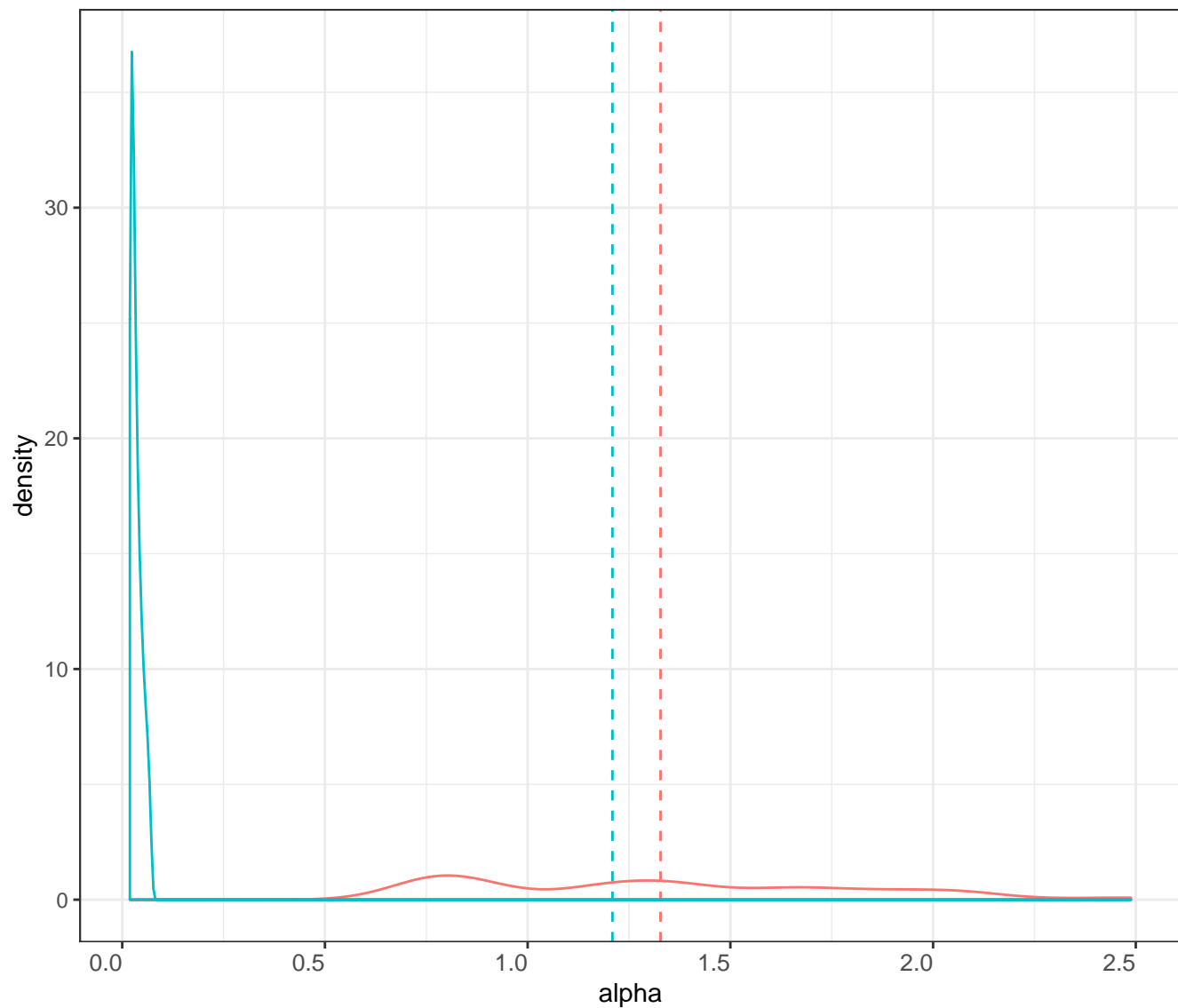
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

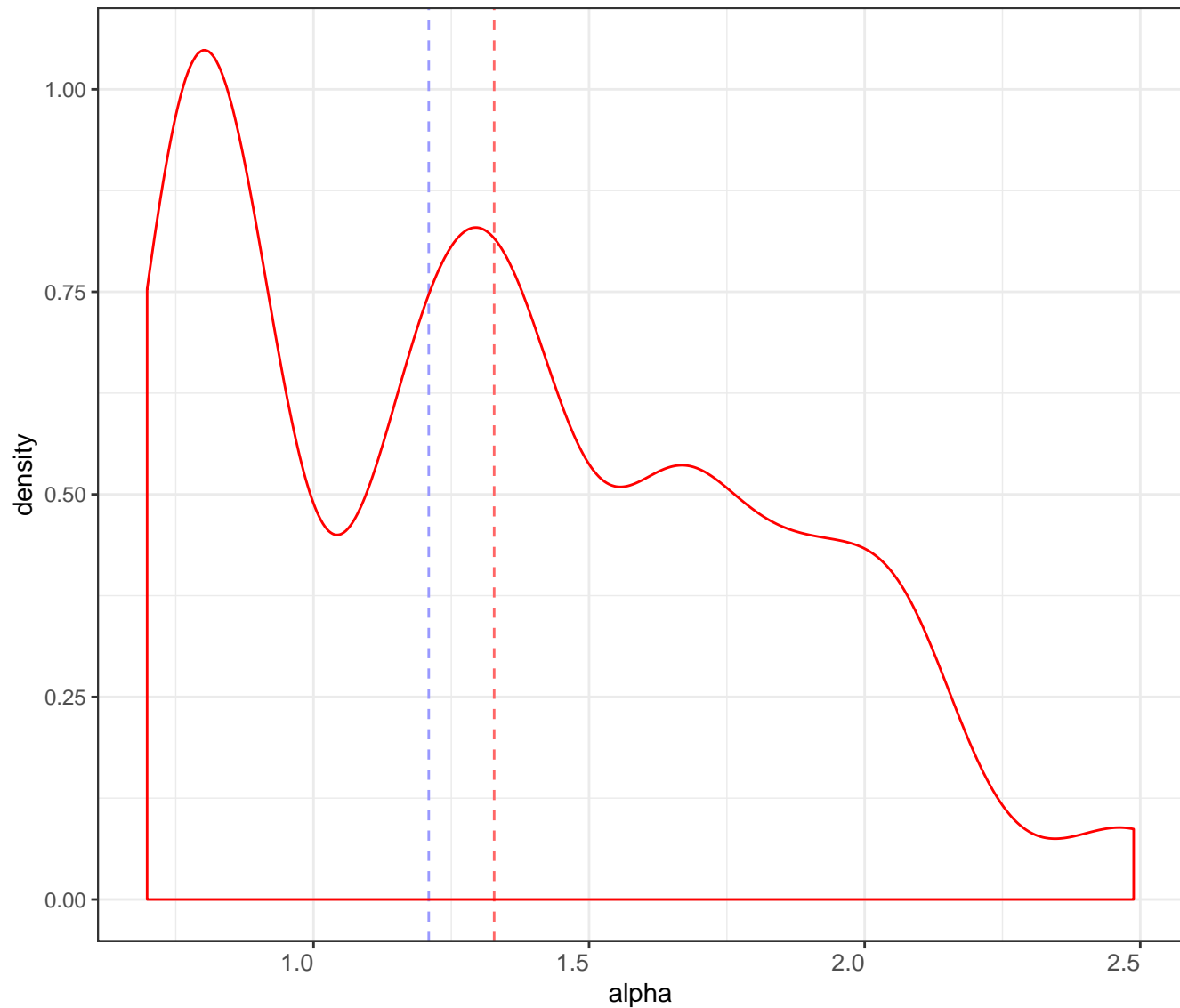
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

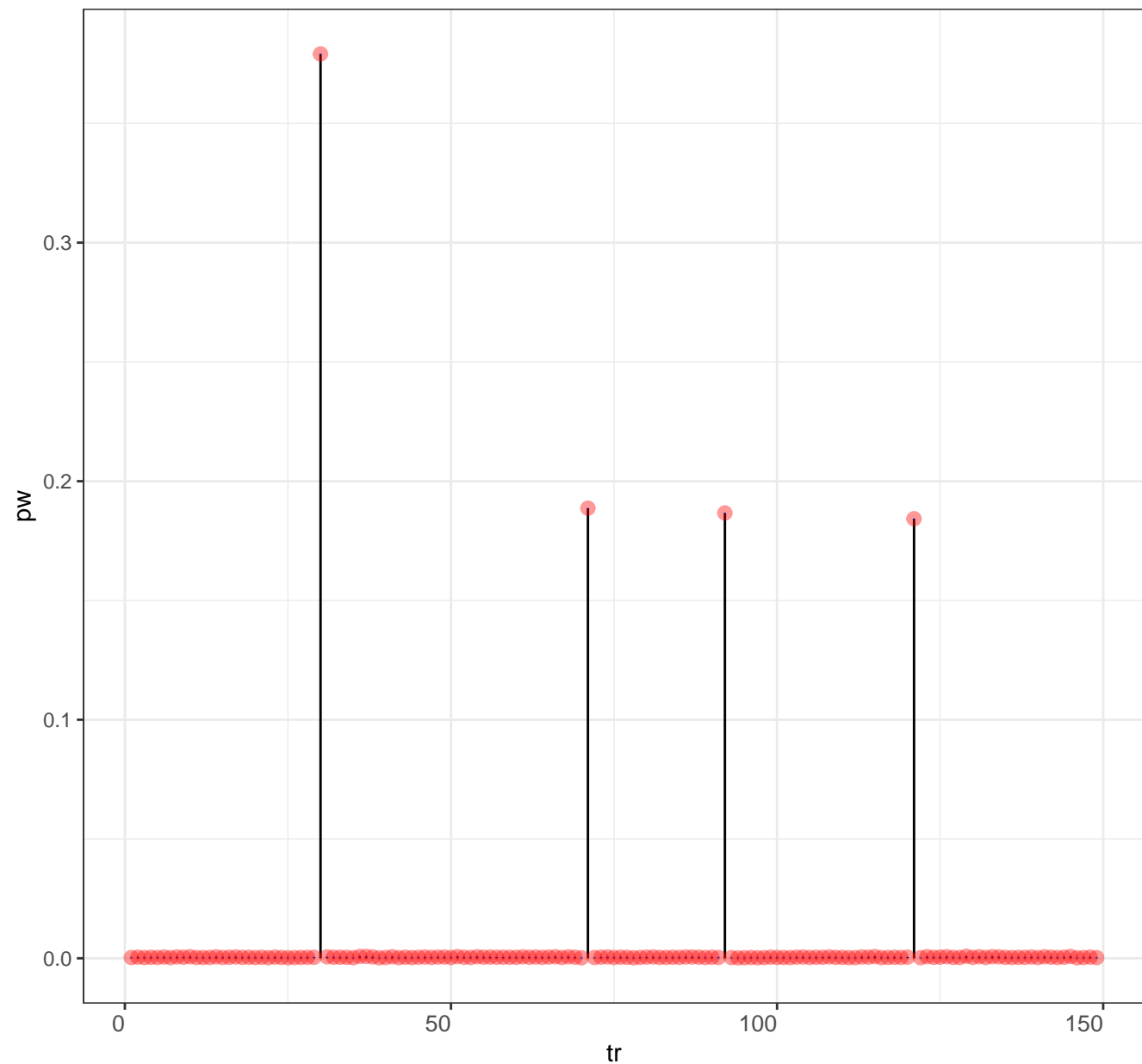
Posterior distribution for alpha

Legend posterior mean prior mean



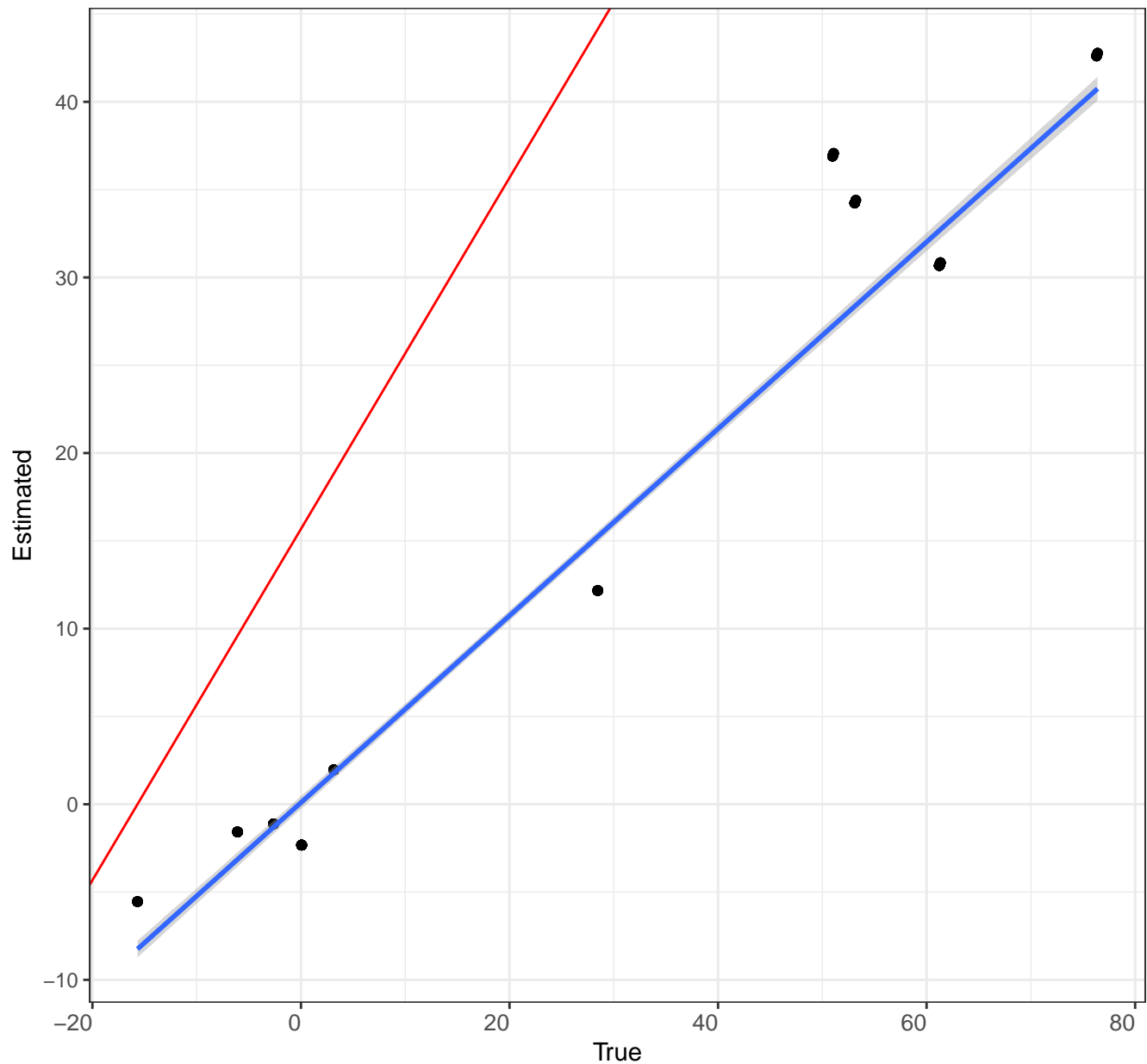
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



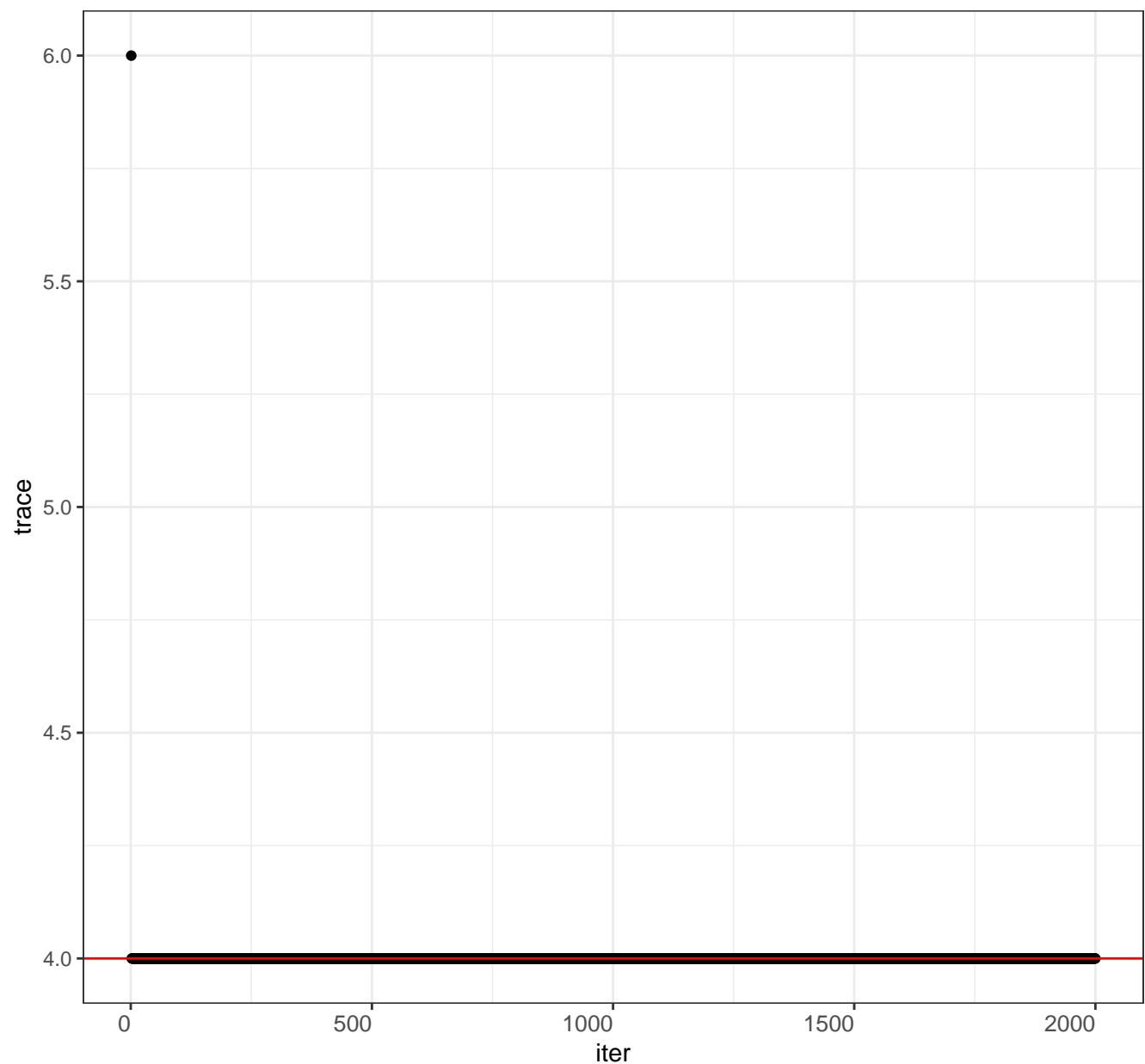
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

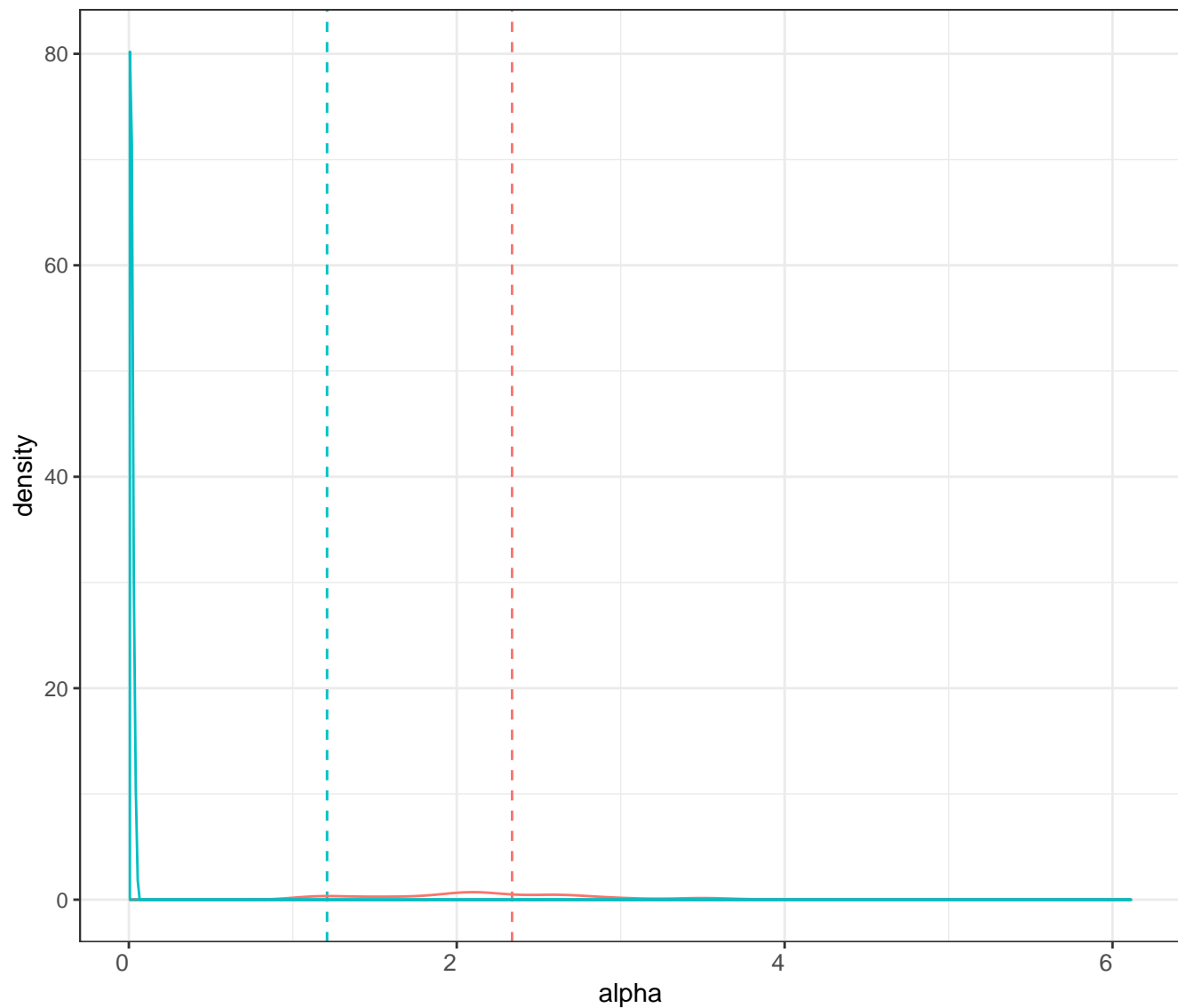
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

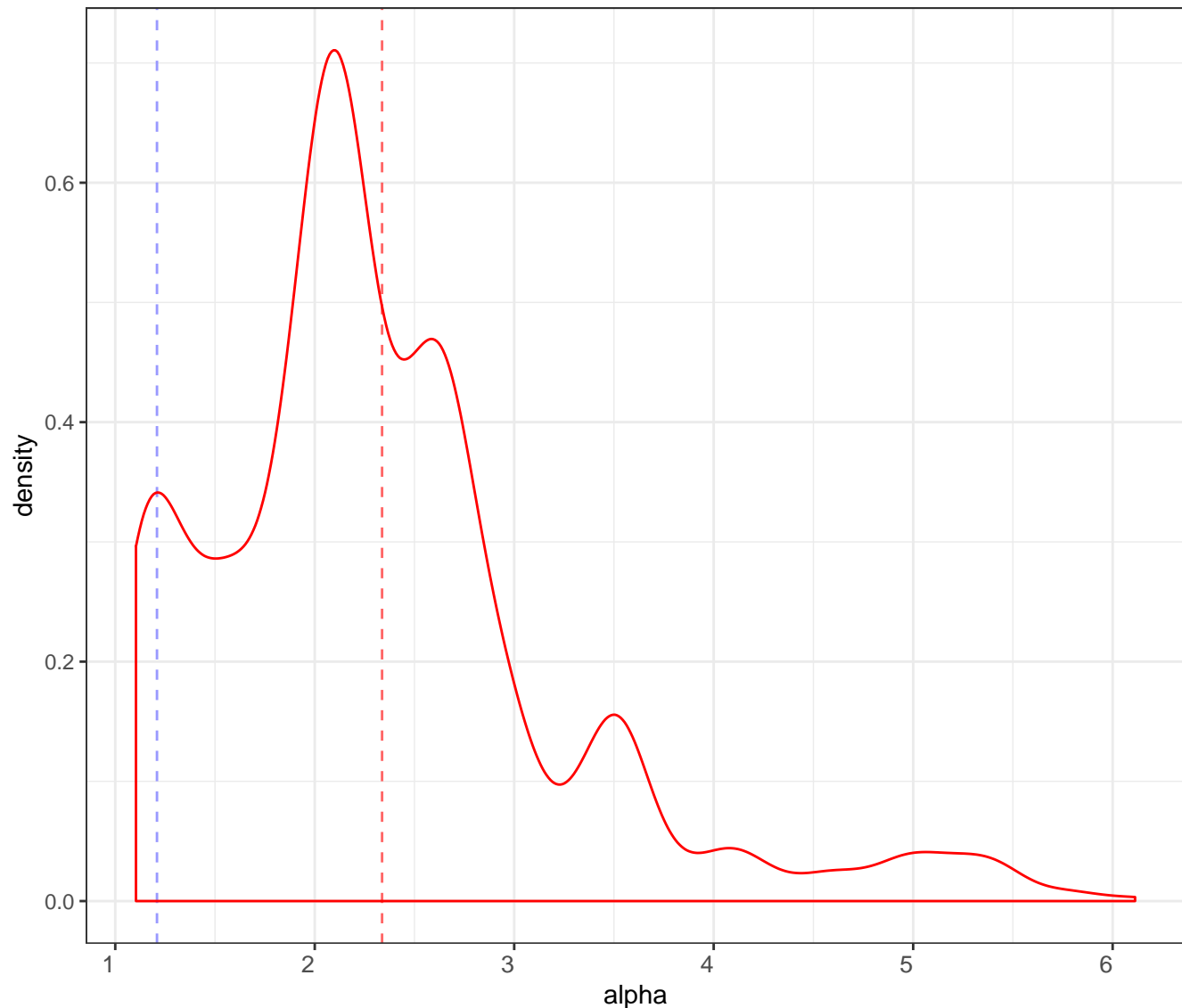
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

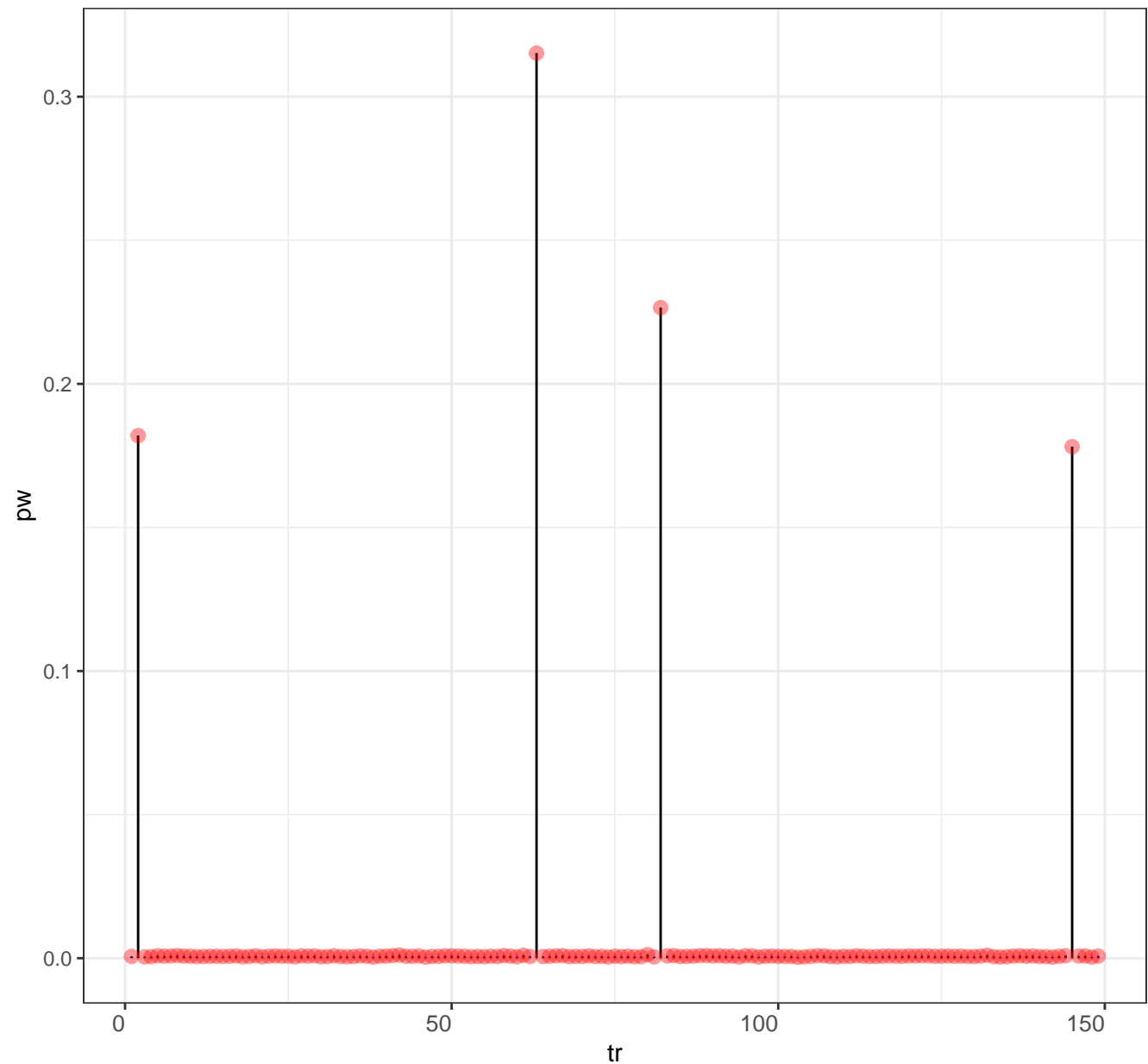
Posterior distribution for alpha

Legend posterior mean prior mean



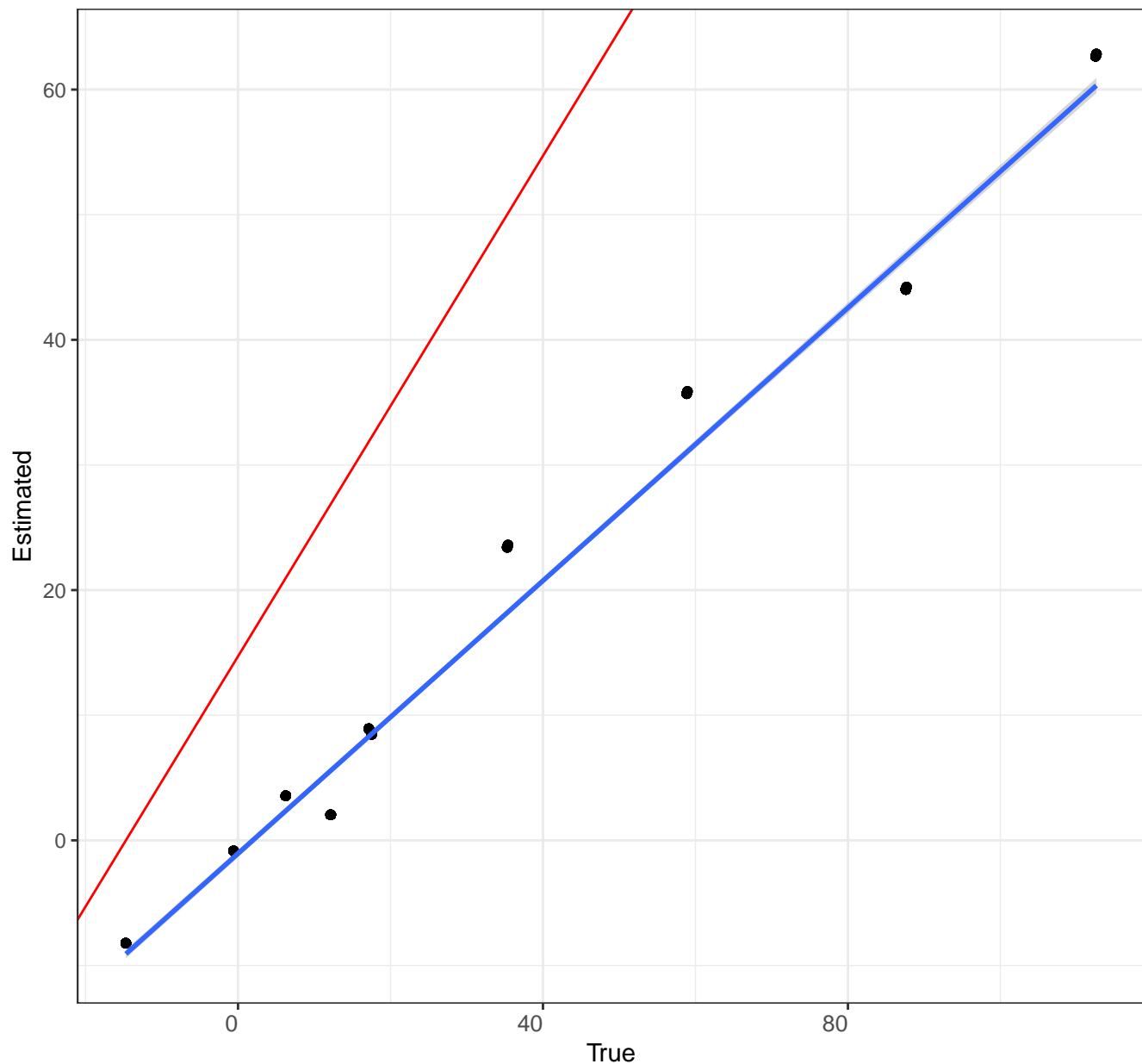
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



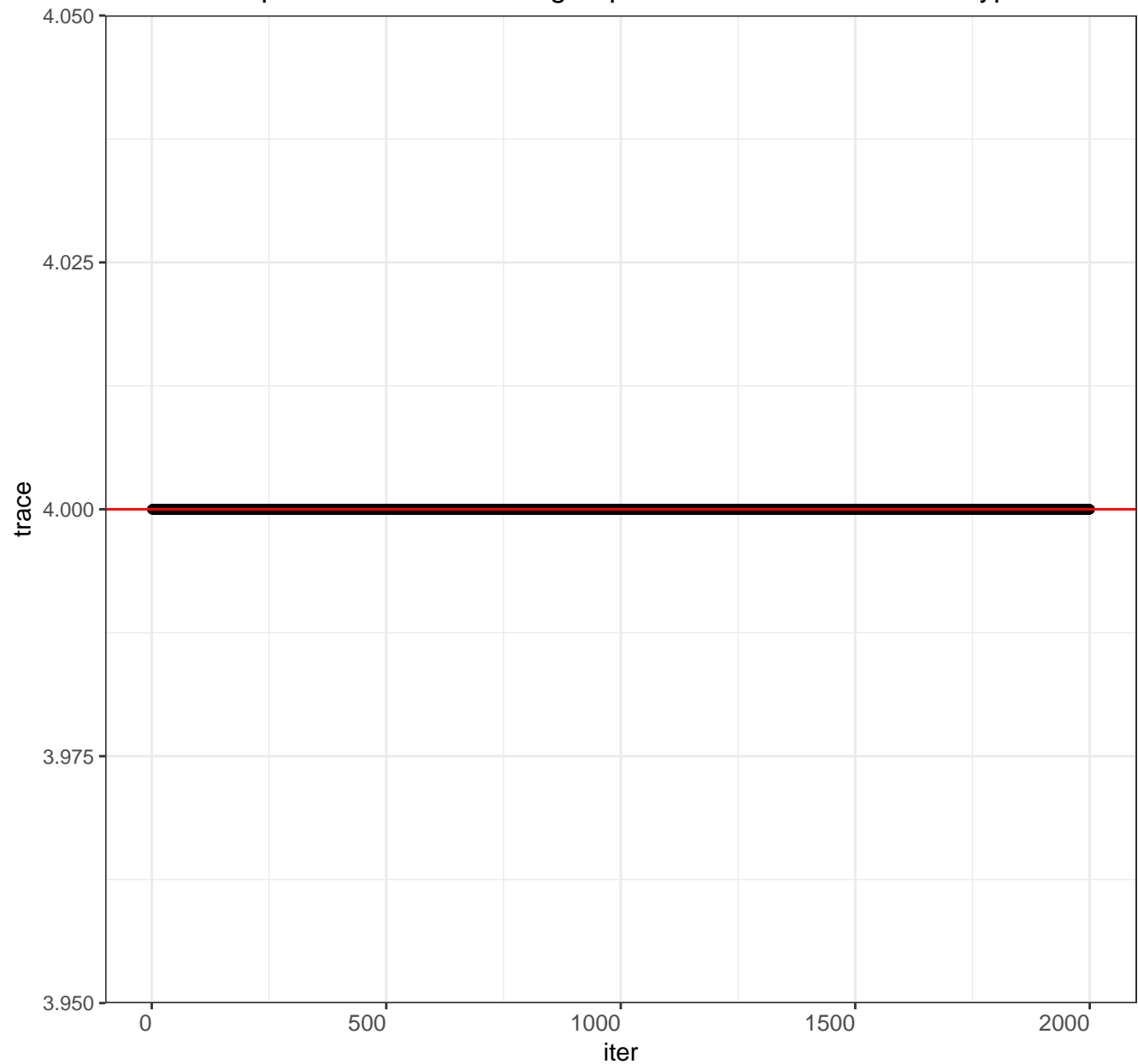
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

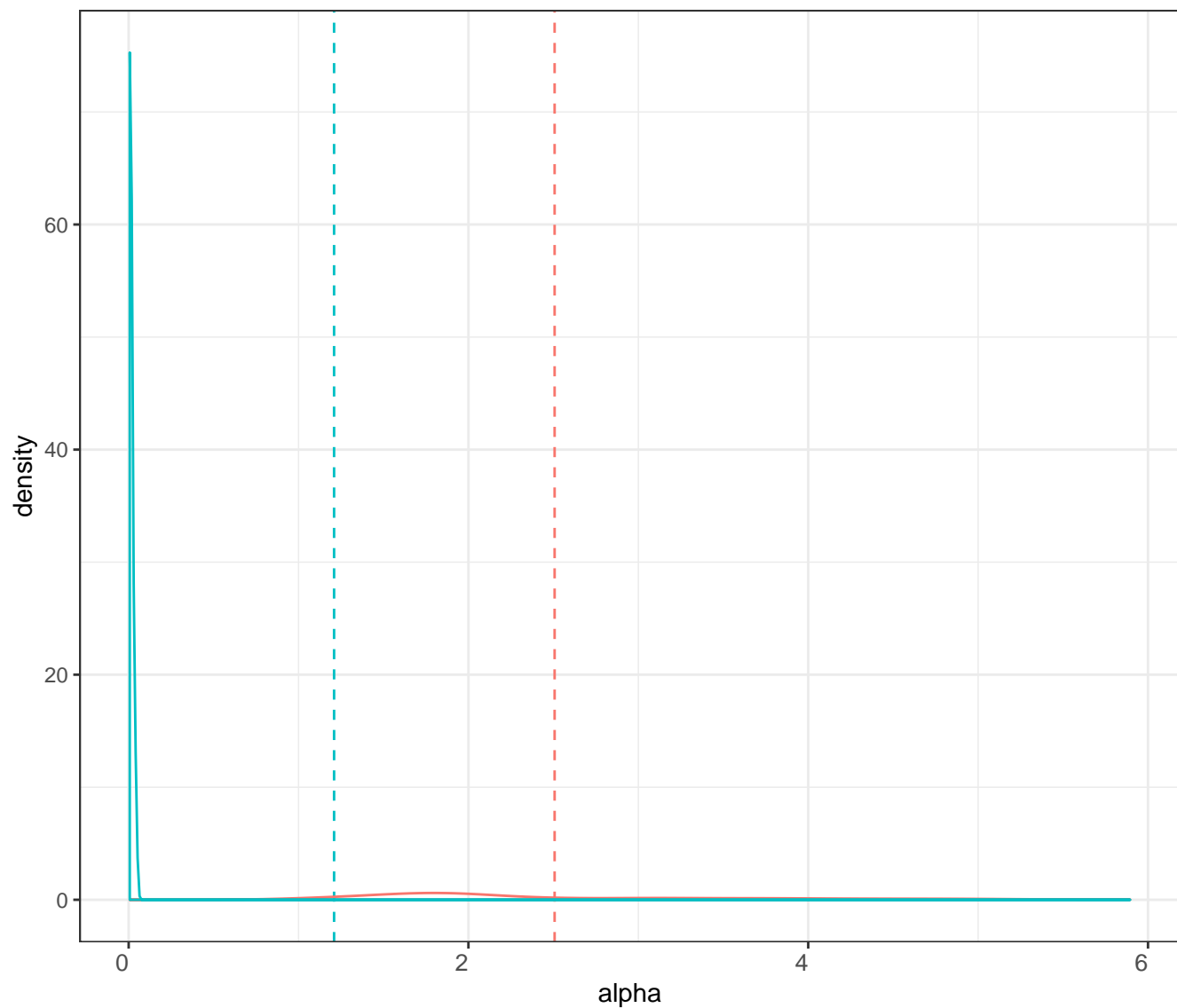
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

type | posterior | prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

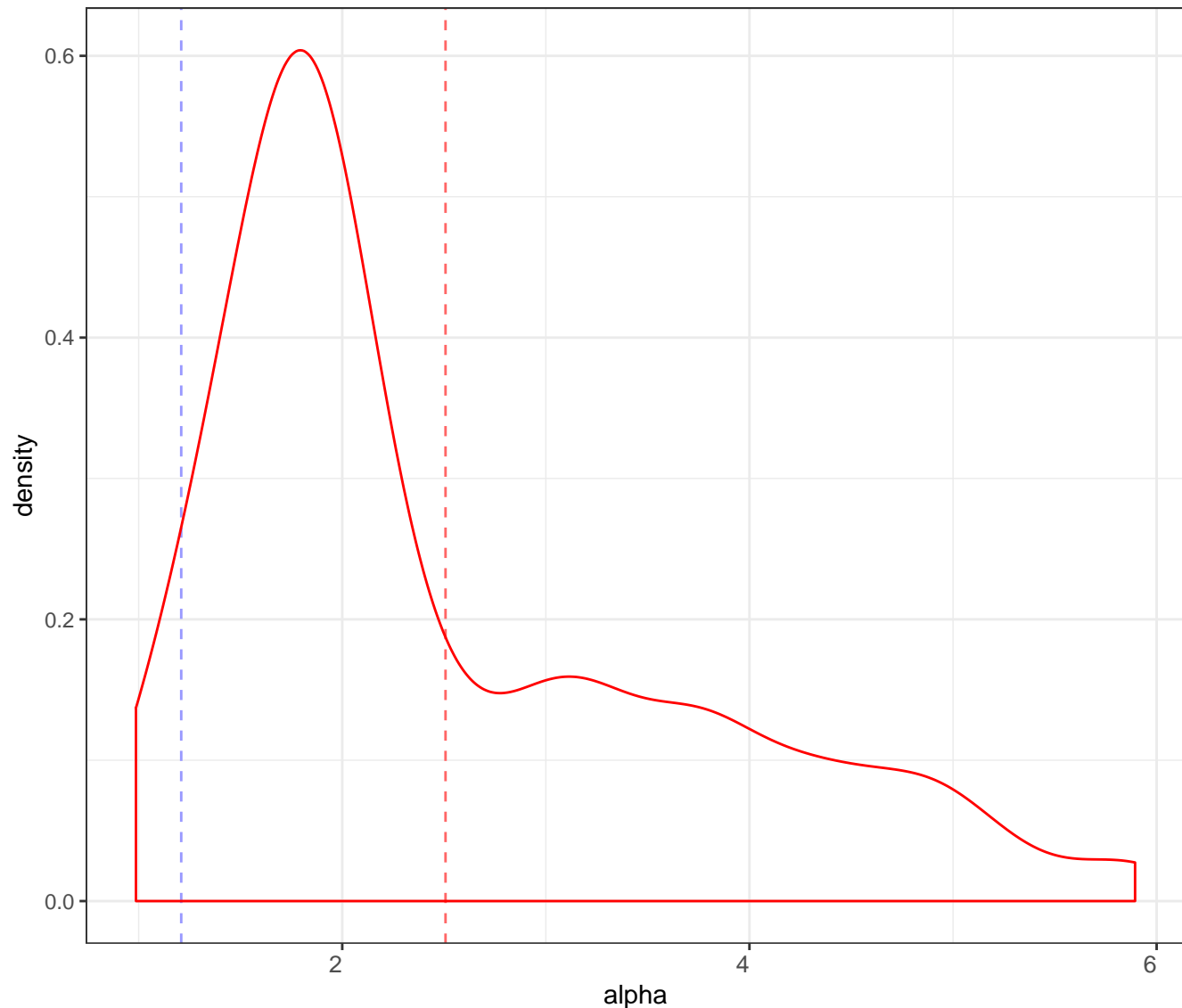
Legend



posterior mean

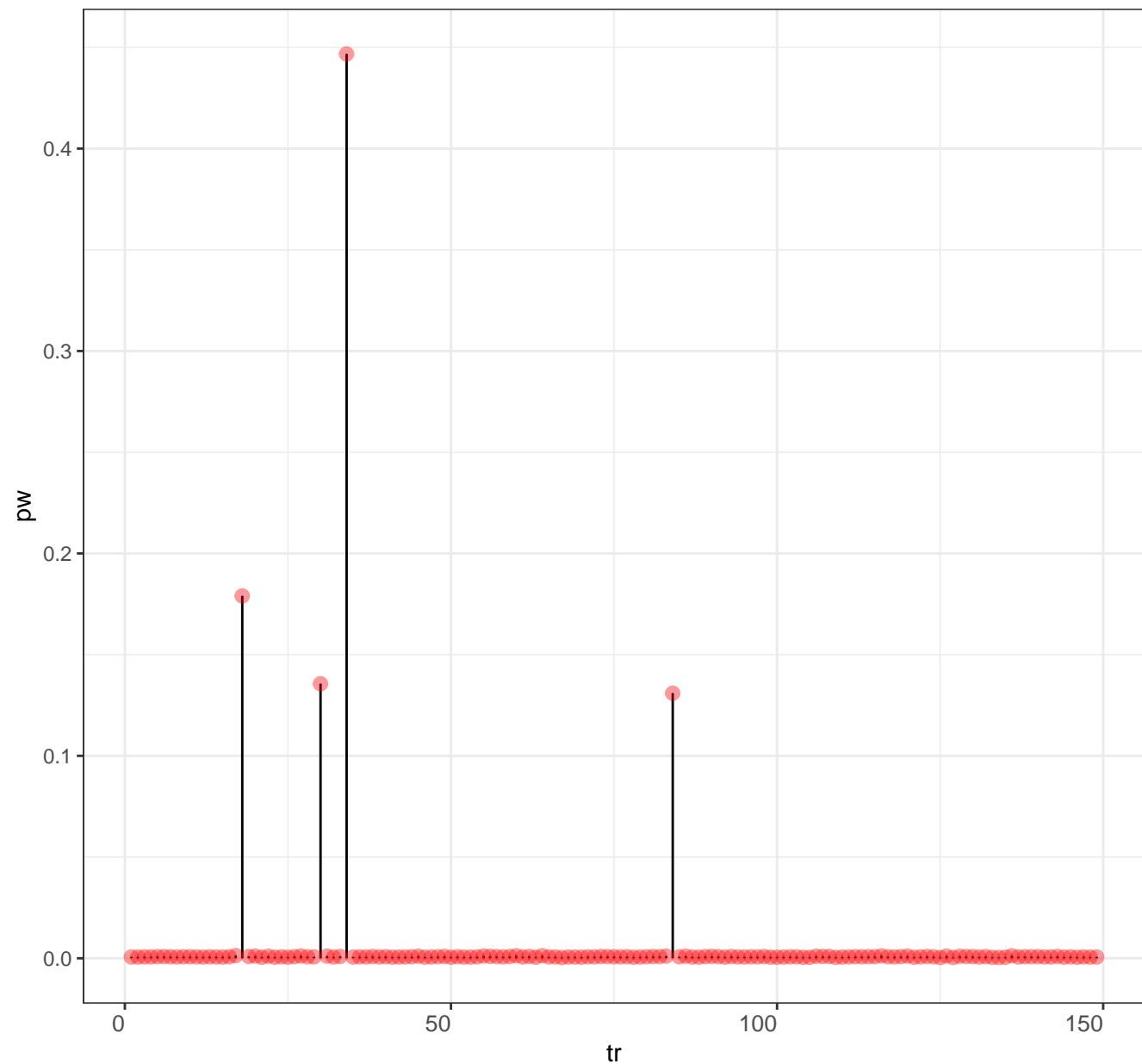


prior mean



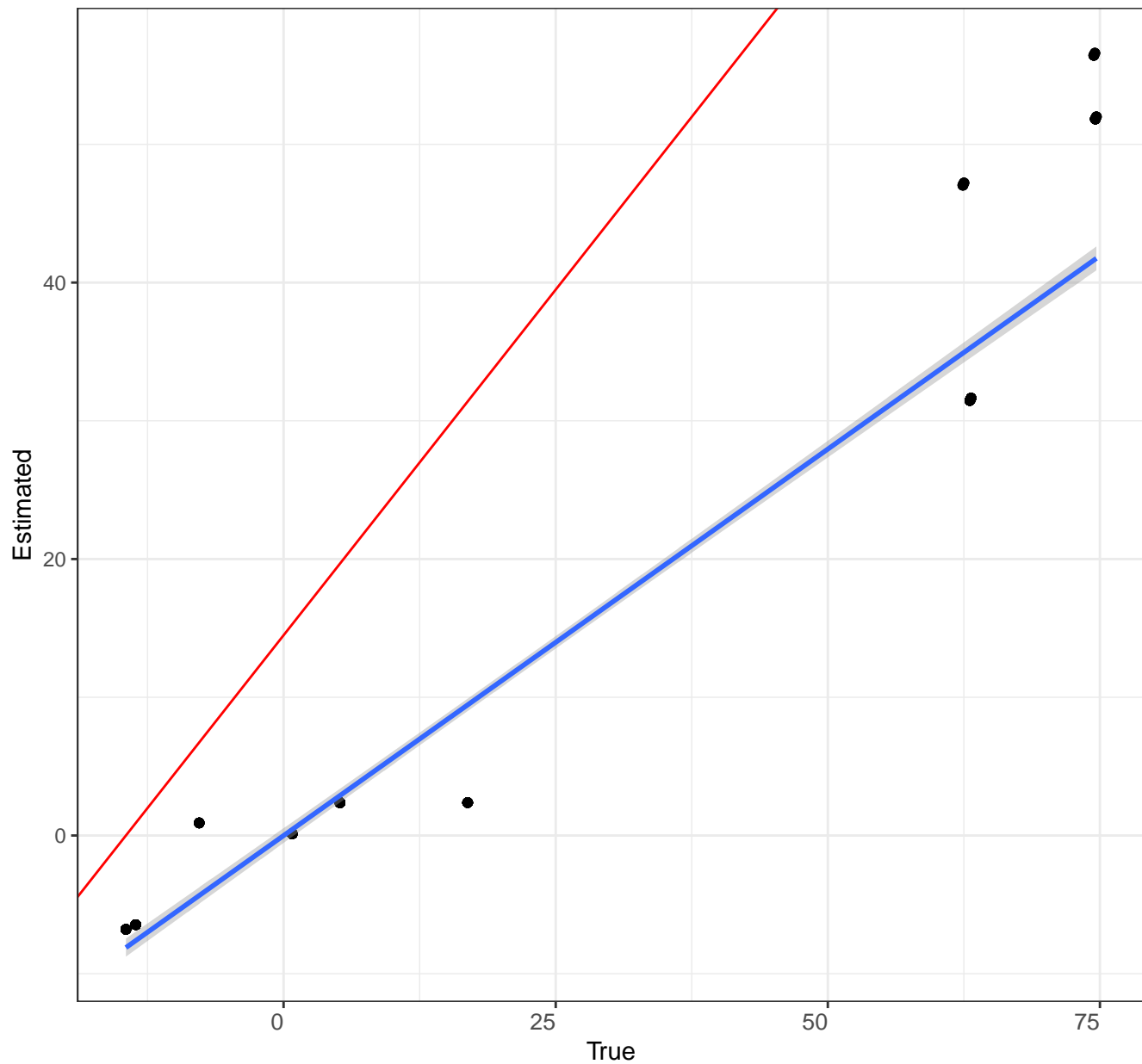
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



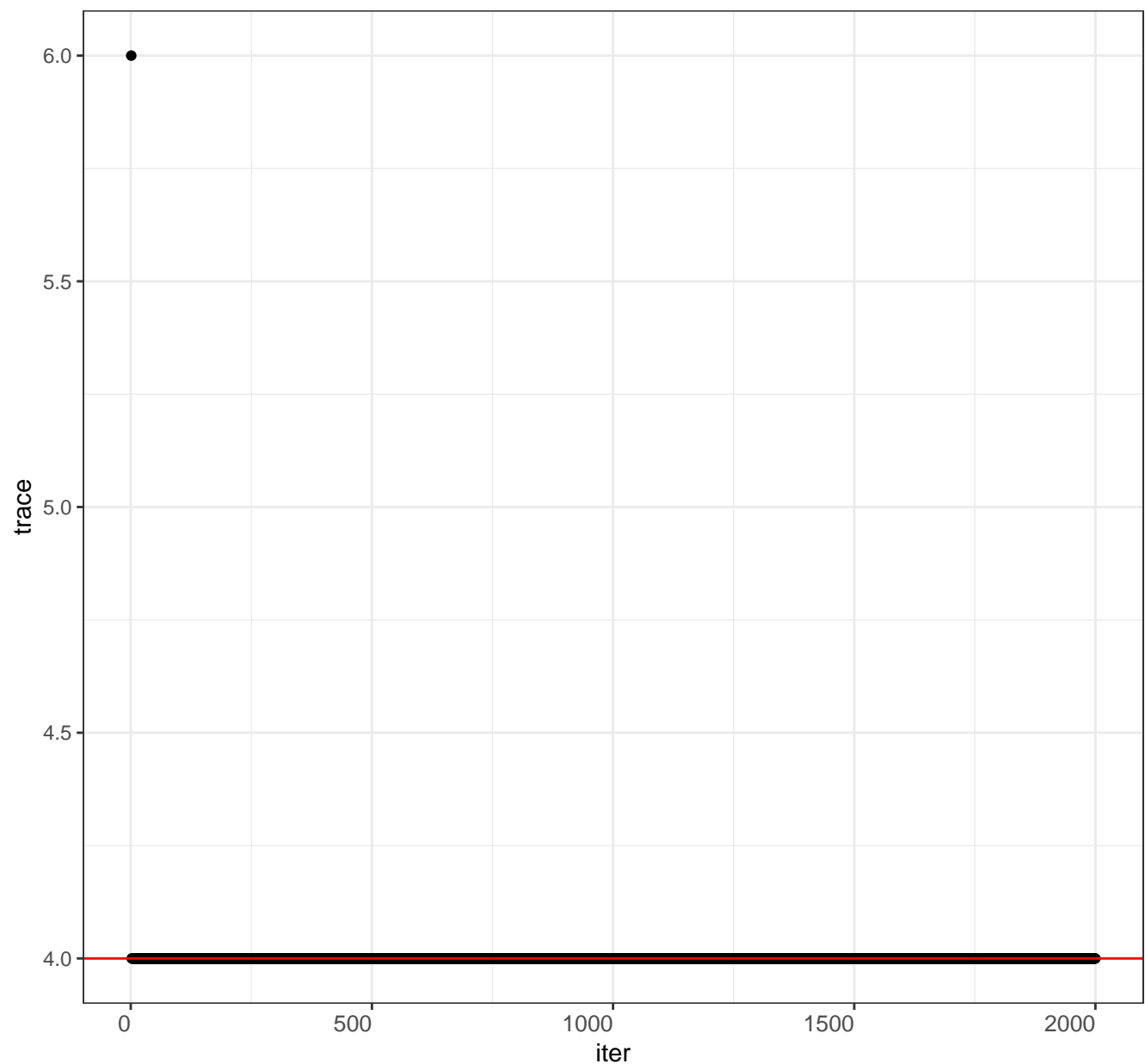
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

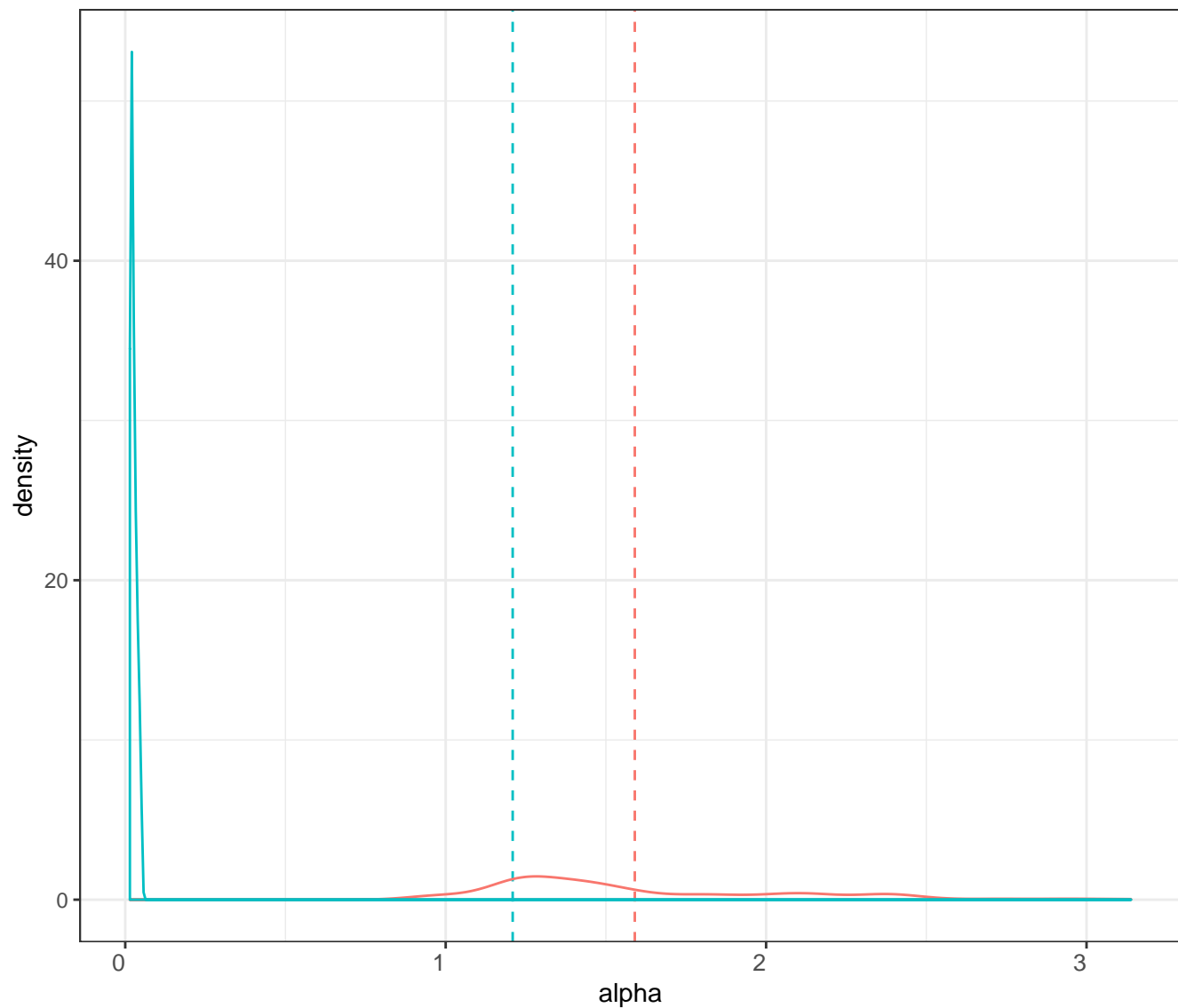
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

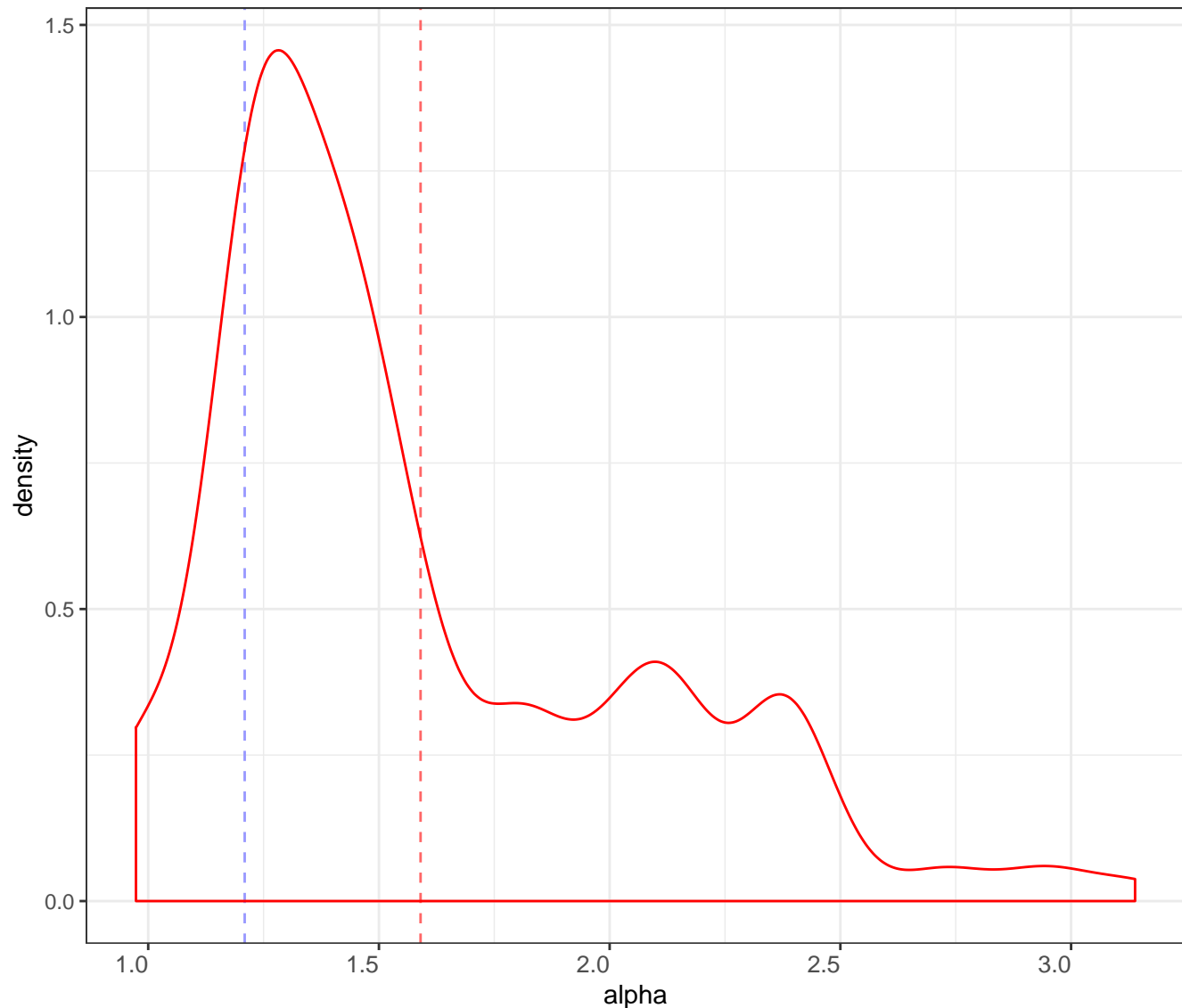
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

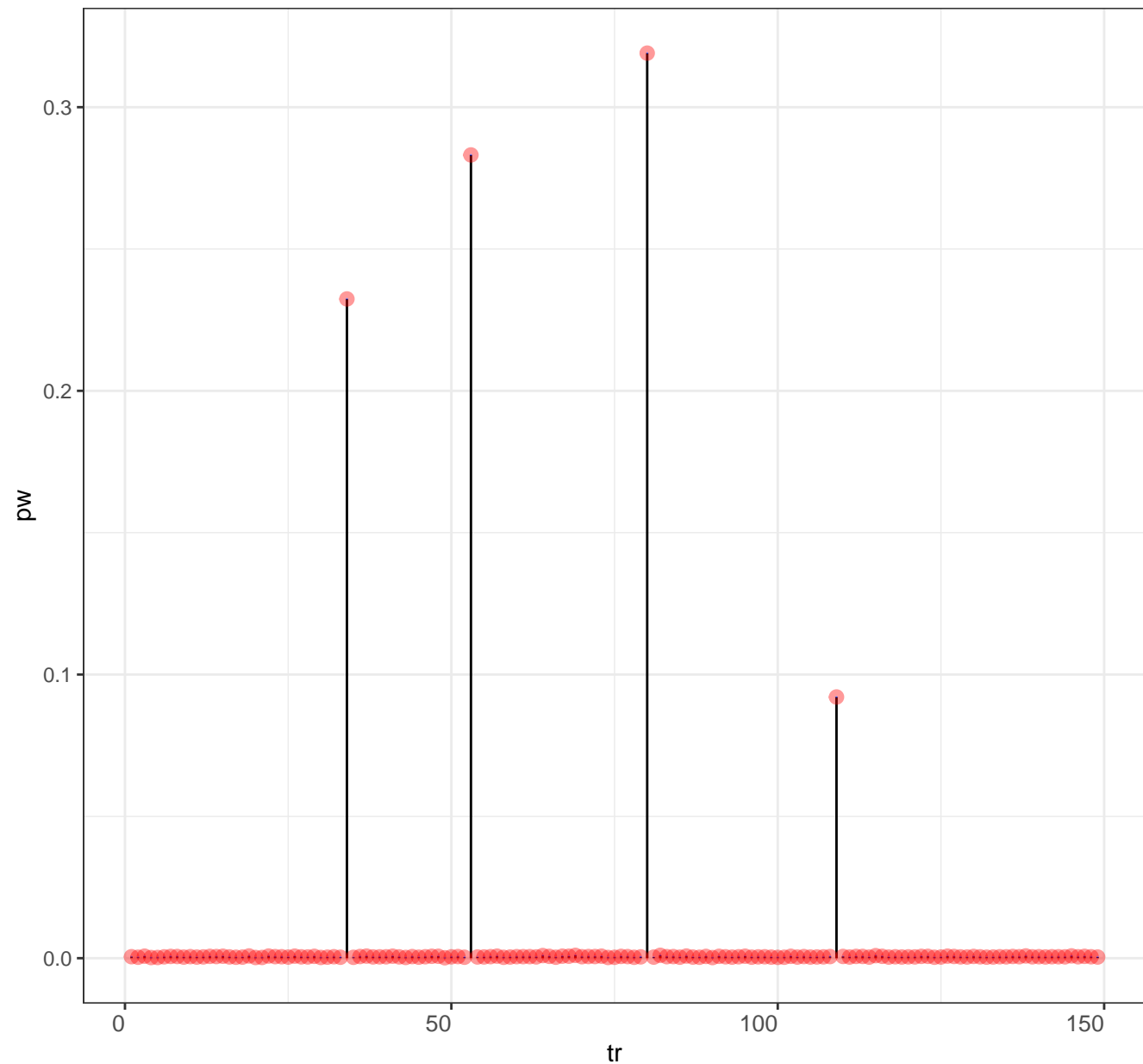
Posterior distribution for alpha

Legend posterior mean prior mean



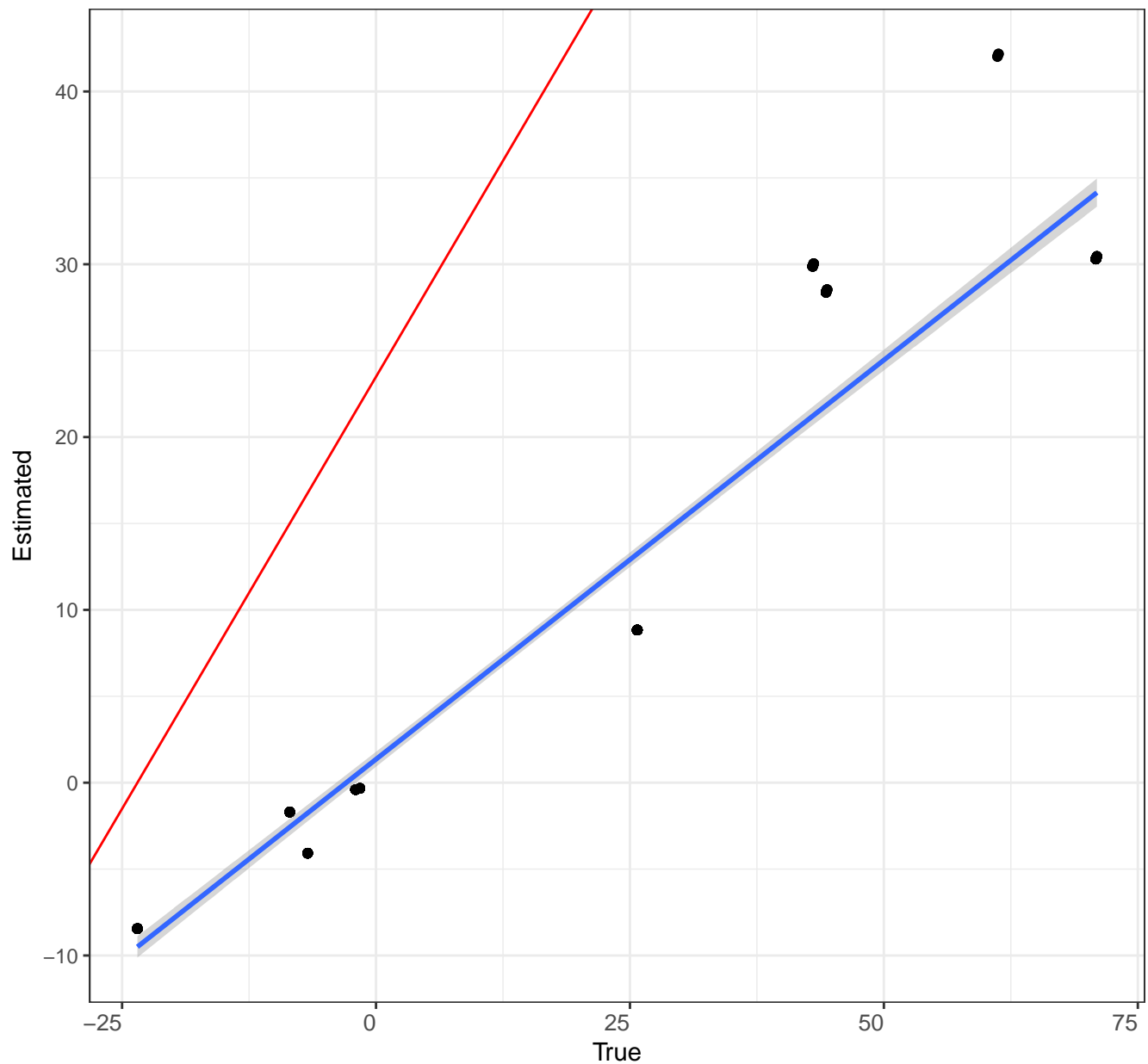
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



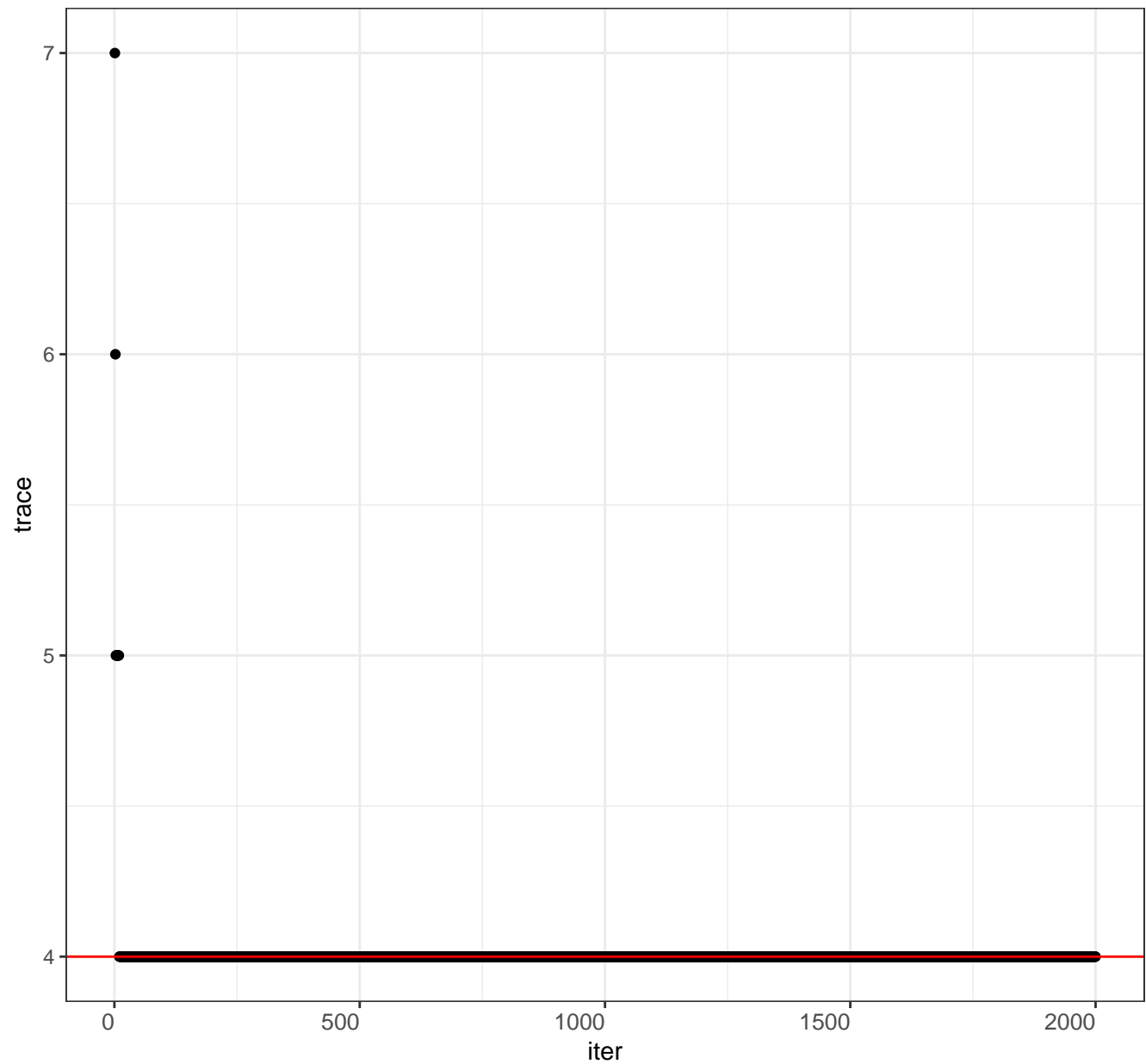
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

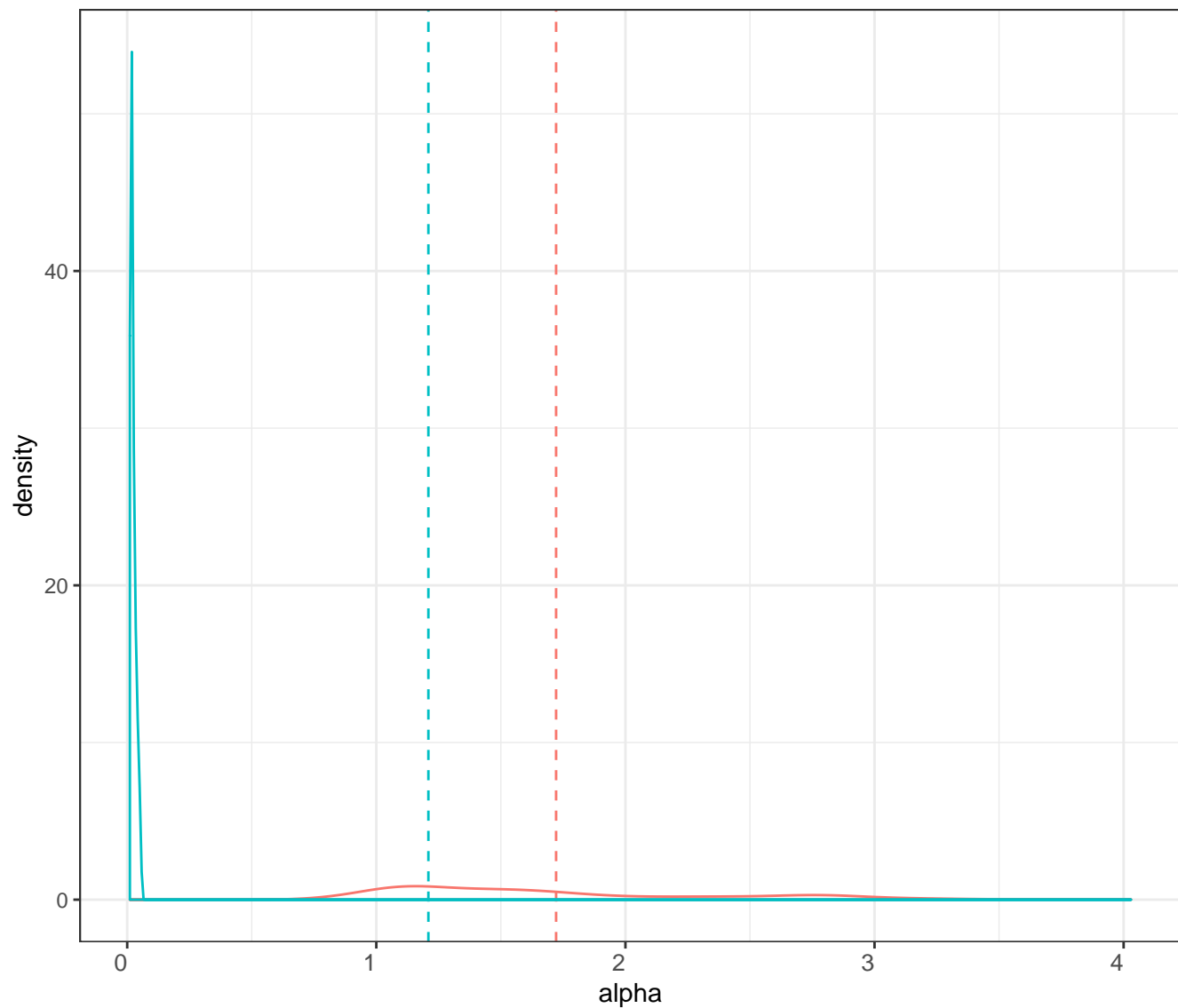
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

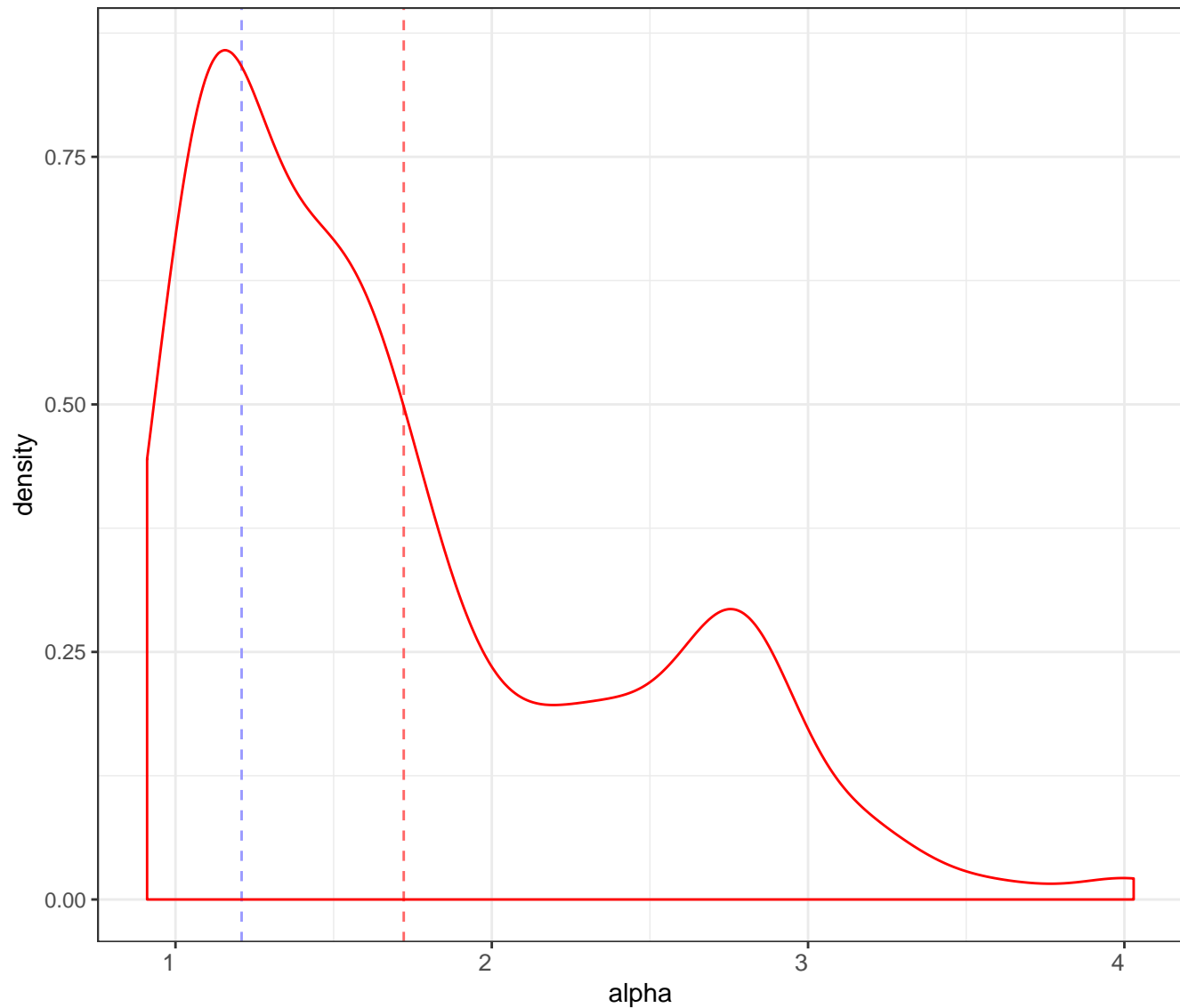
type | posterior | prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

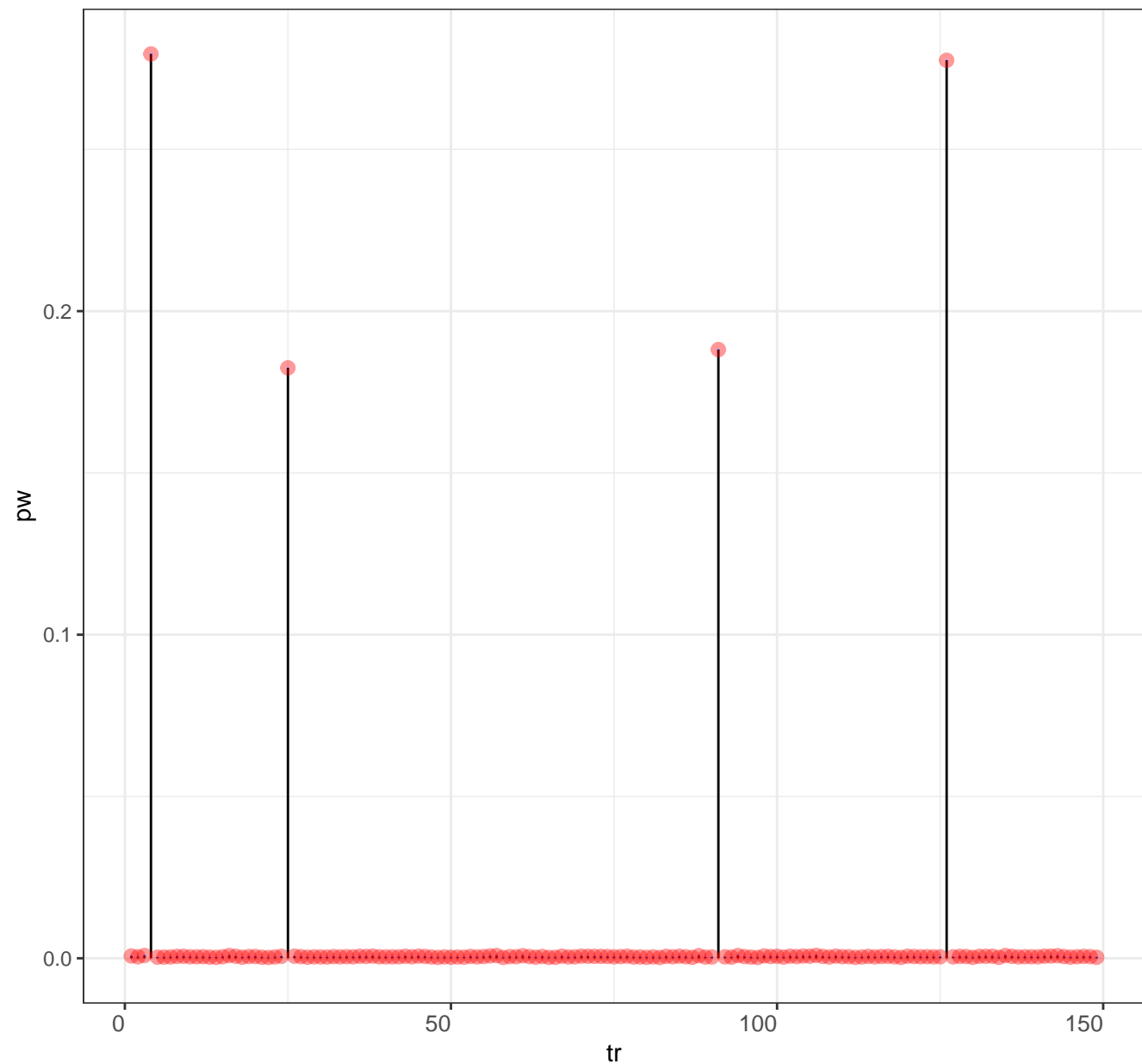
Posterior distribution for alpha

Legend posterior mean prior mean



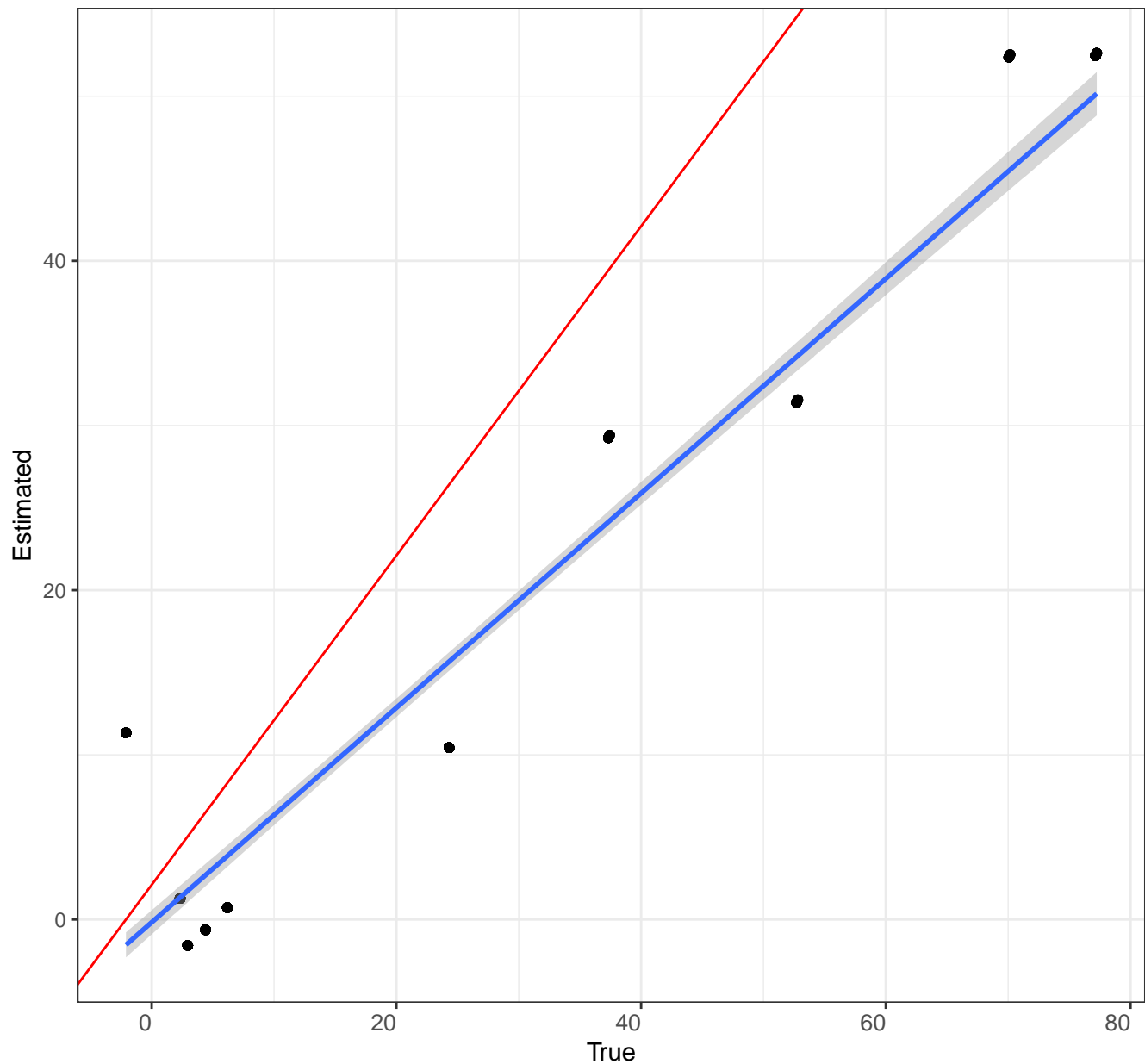
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



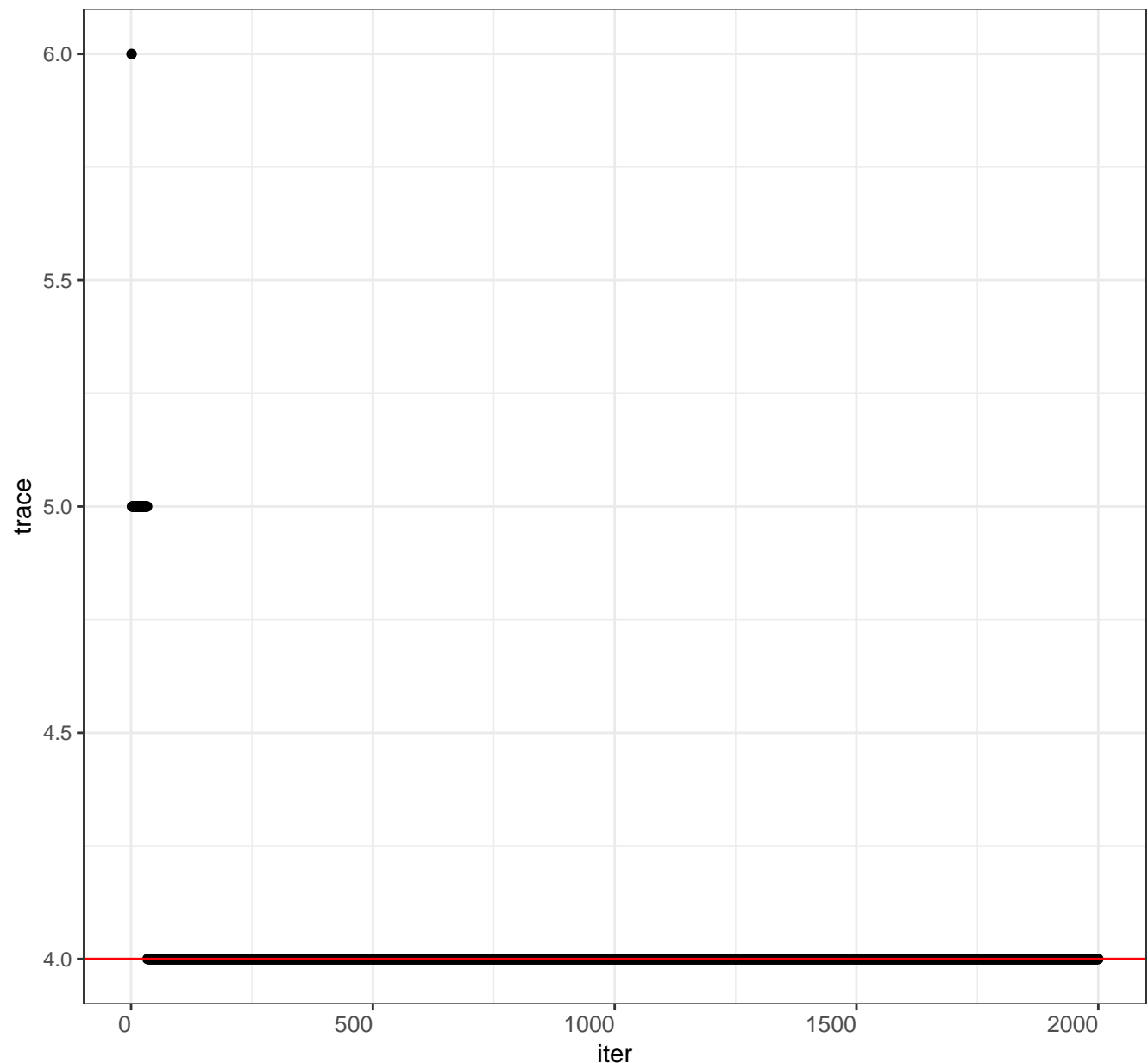
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

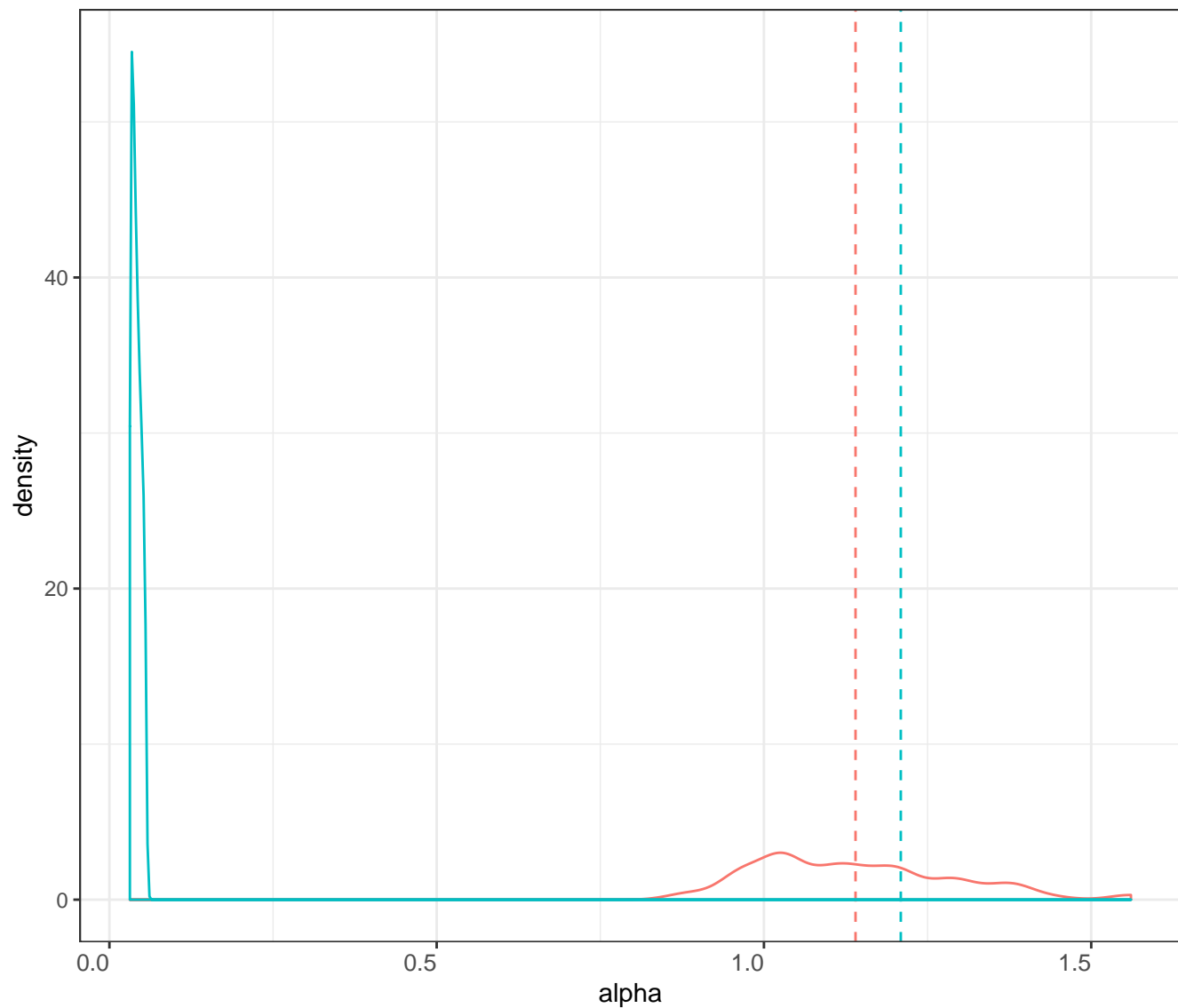
Trace plot for the number of groups K for S=20 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=5 true gr K=4 ,type=2 ,N=150

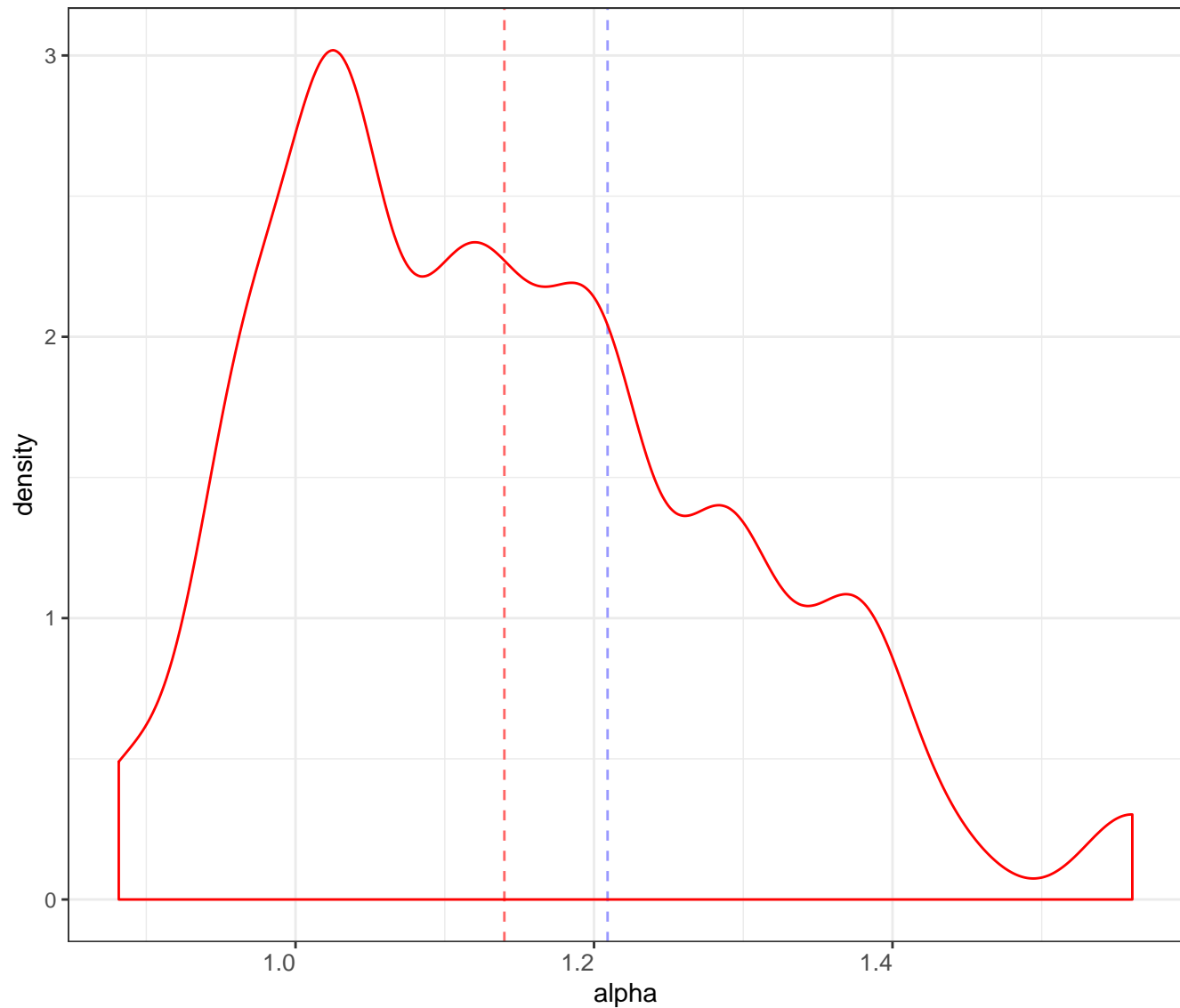
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

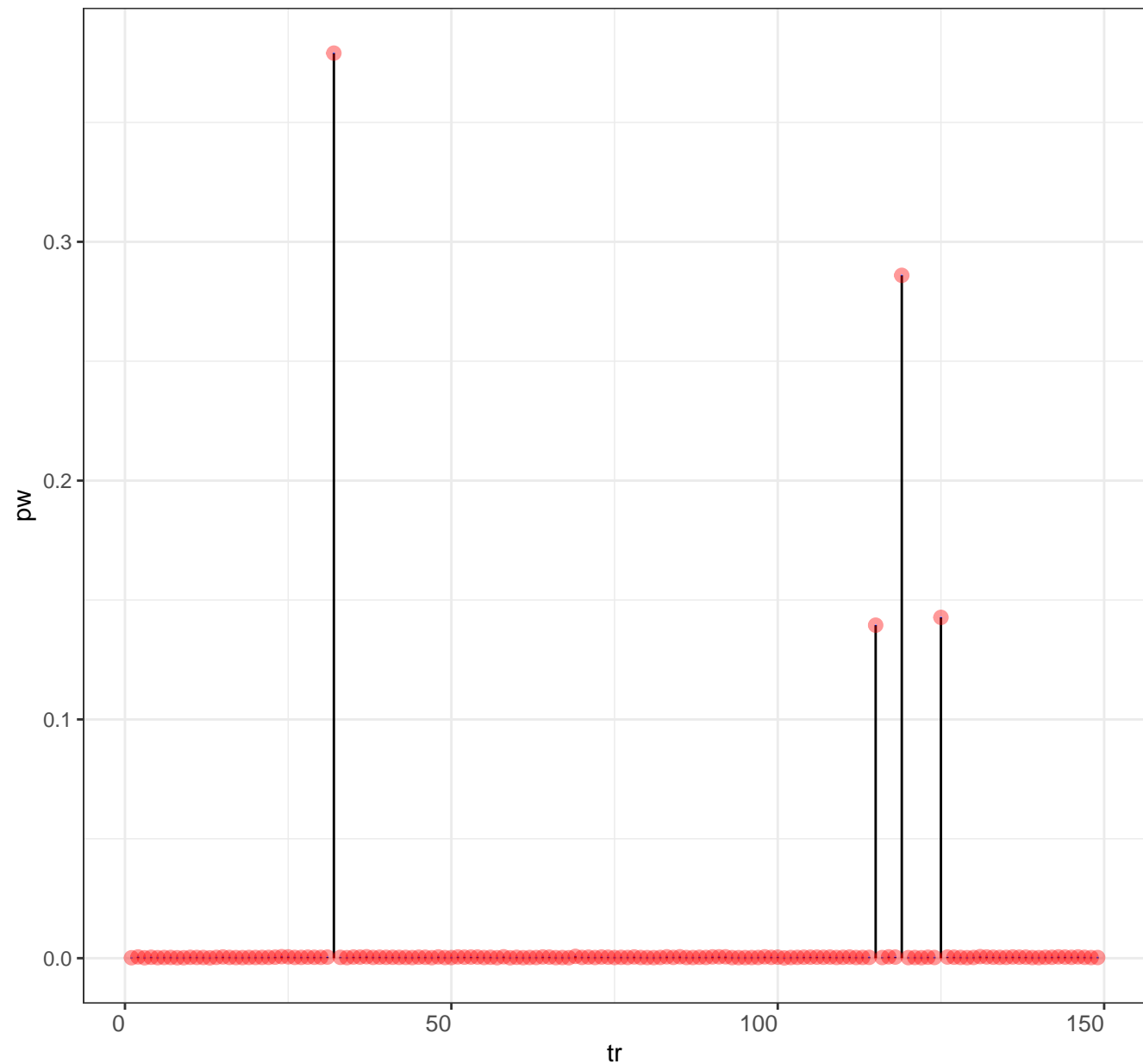
Posterior distribution for alpha

Legend posterior mean prior mean



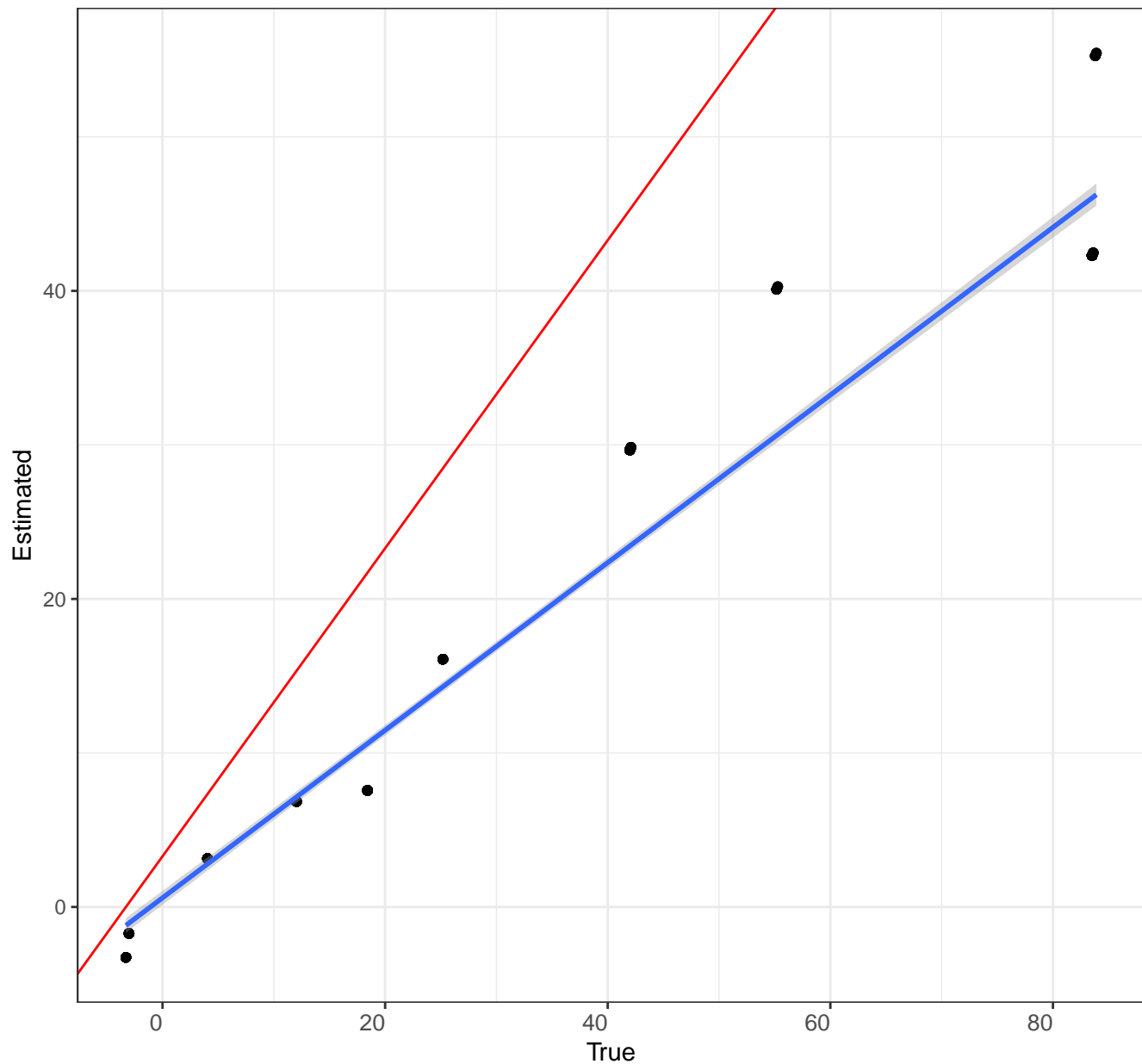
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



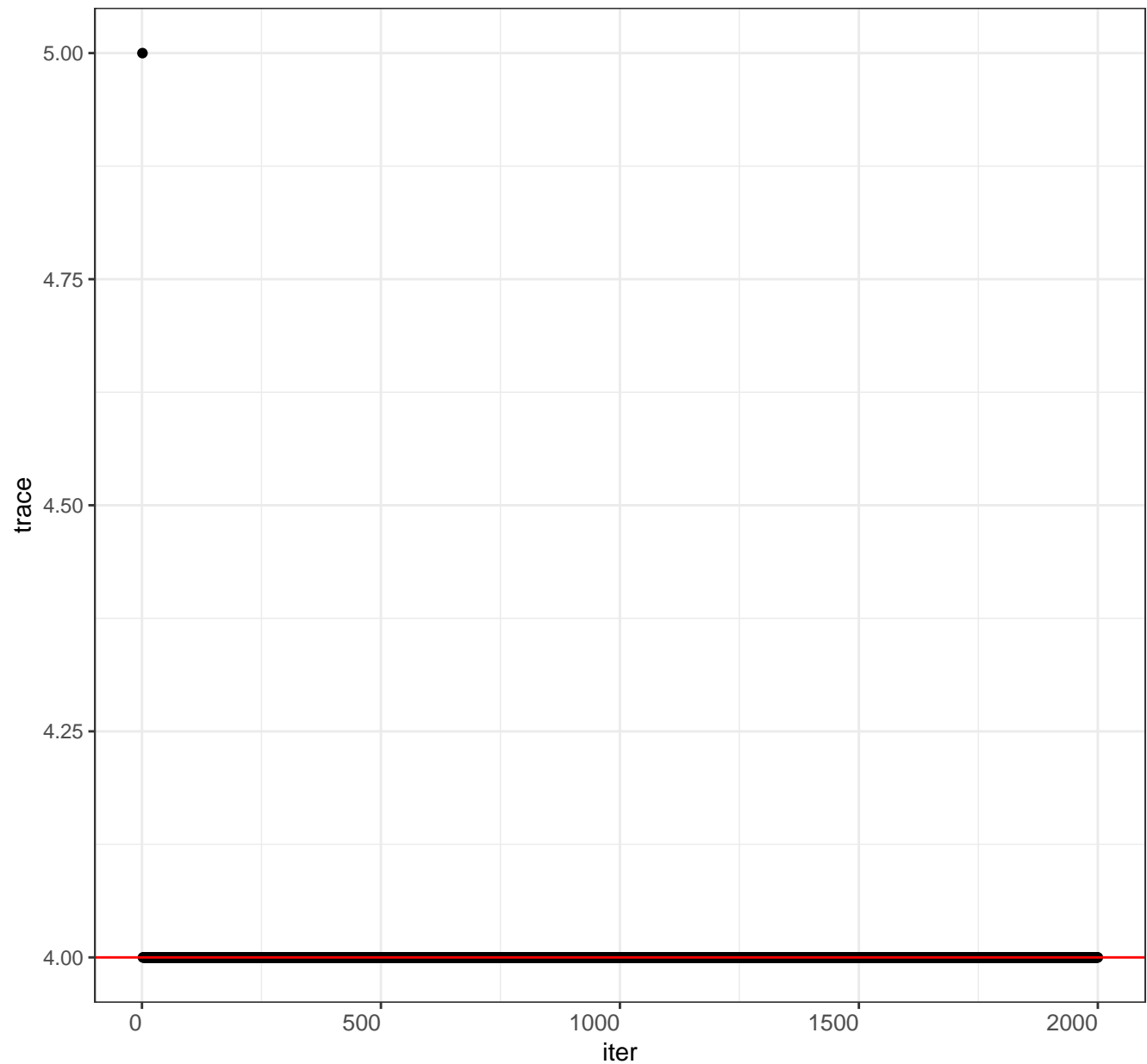
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=5 true K=4 type=2

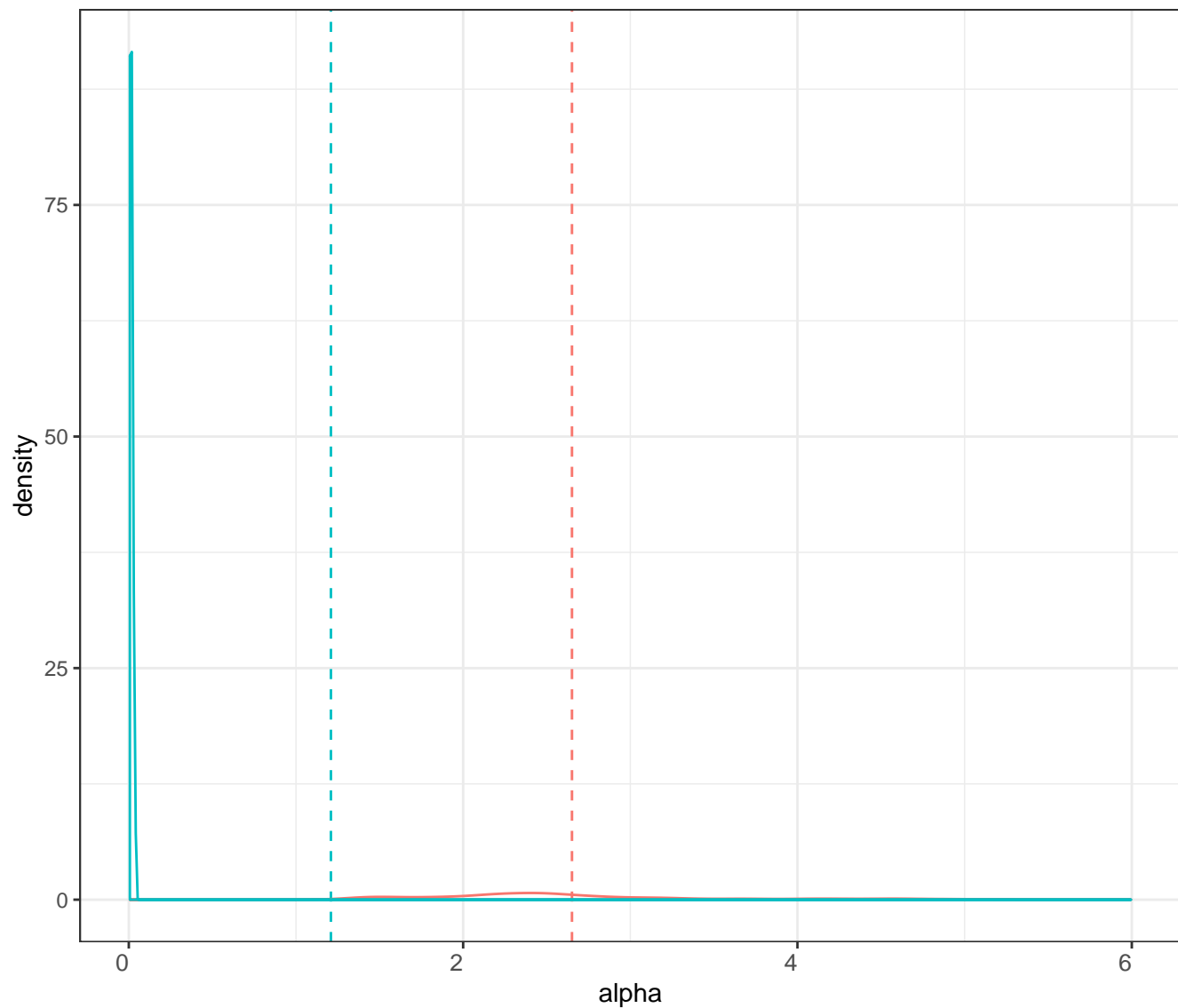
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

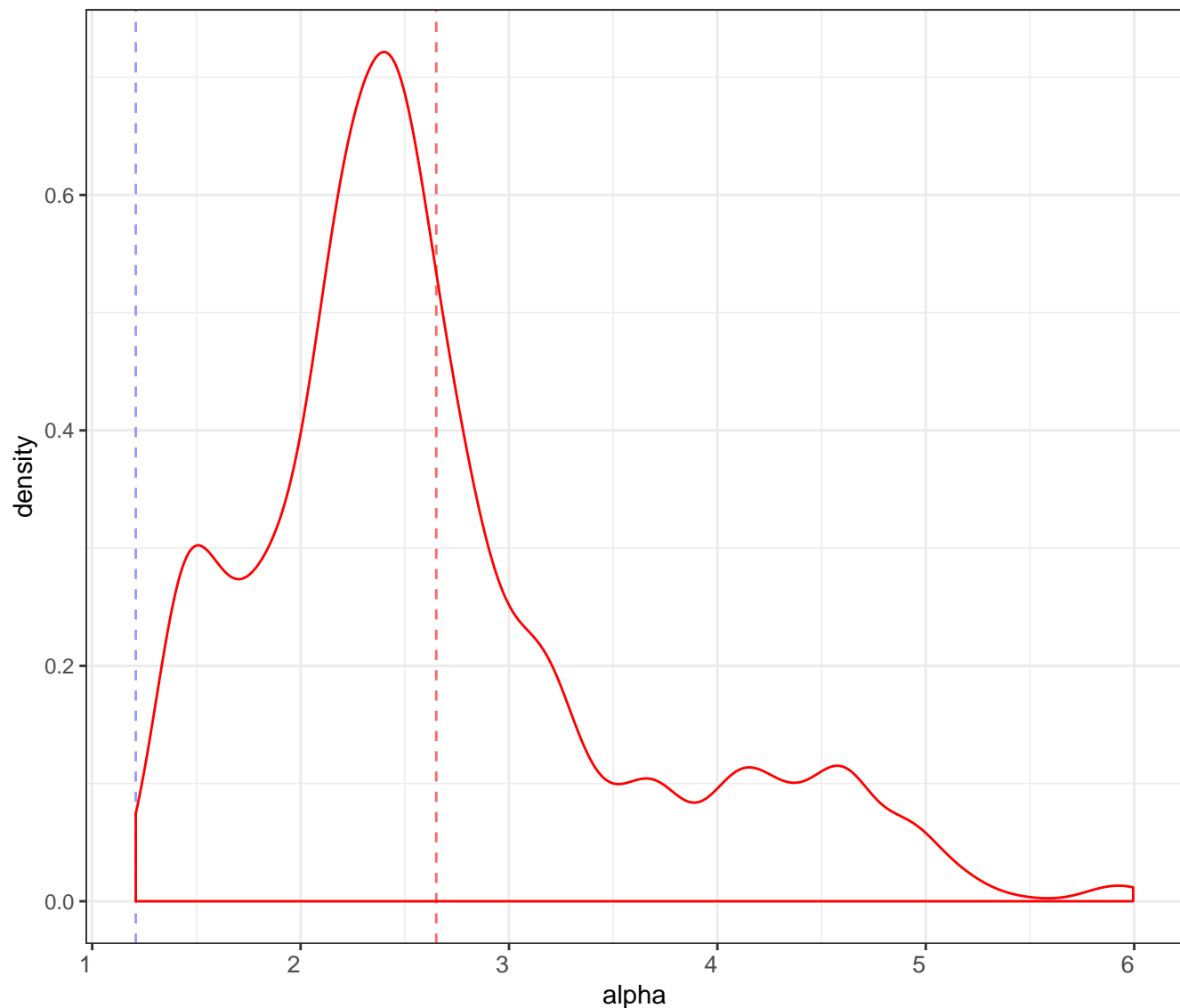
Legend



posterior mean

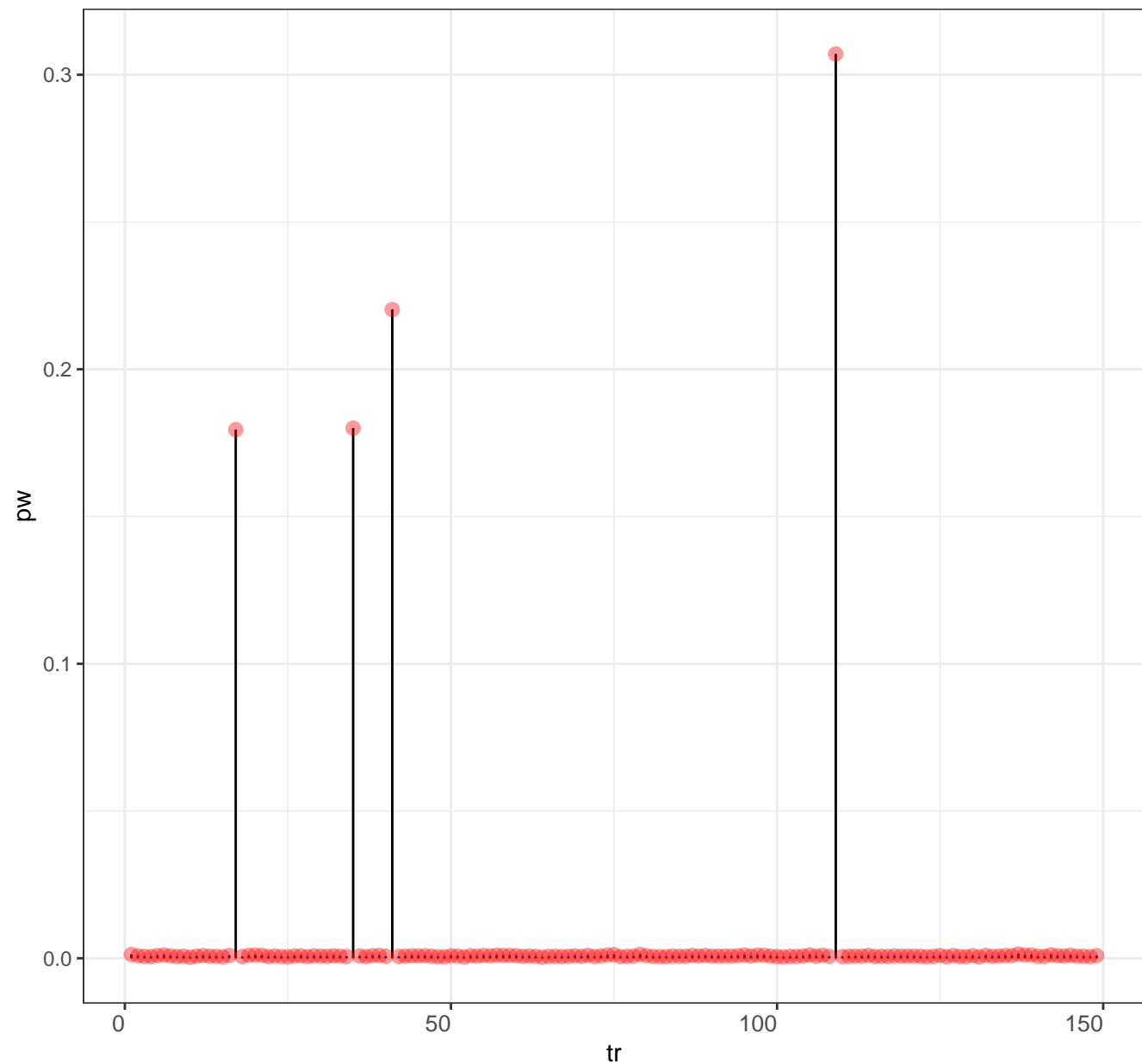


prior mean



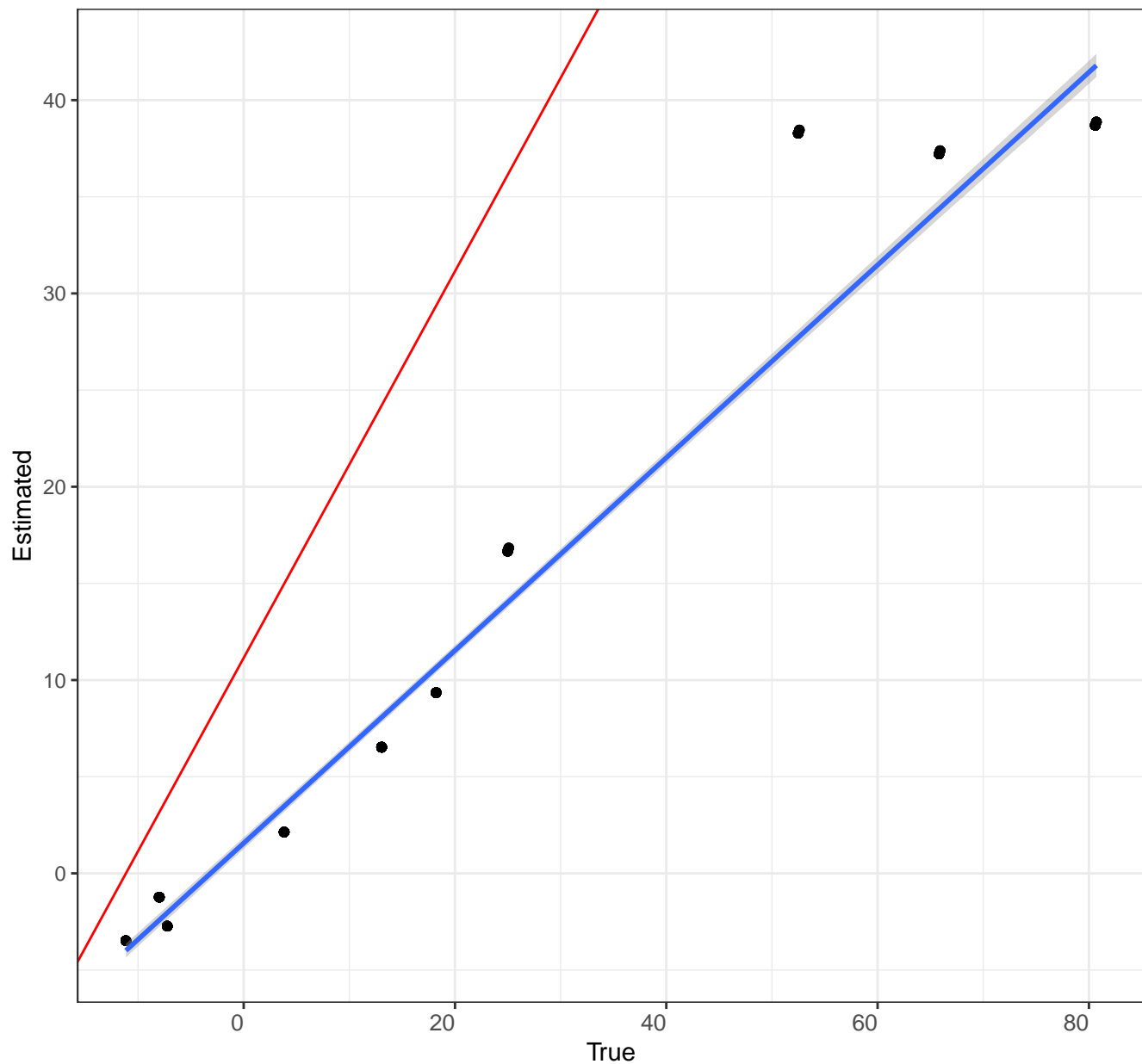
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



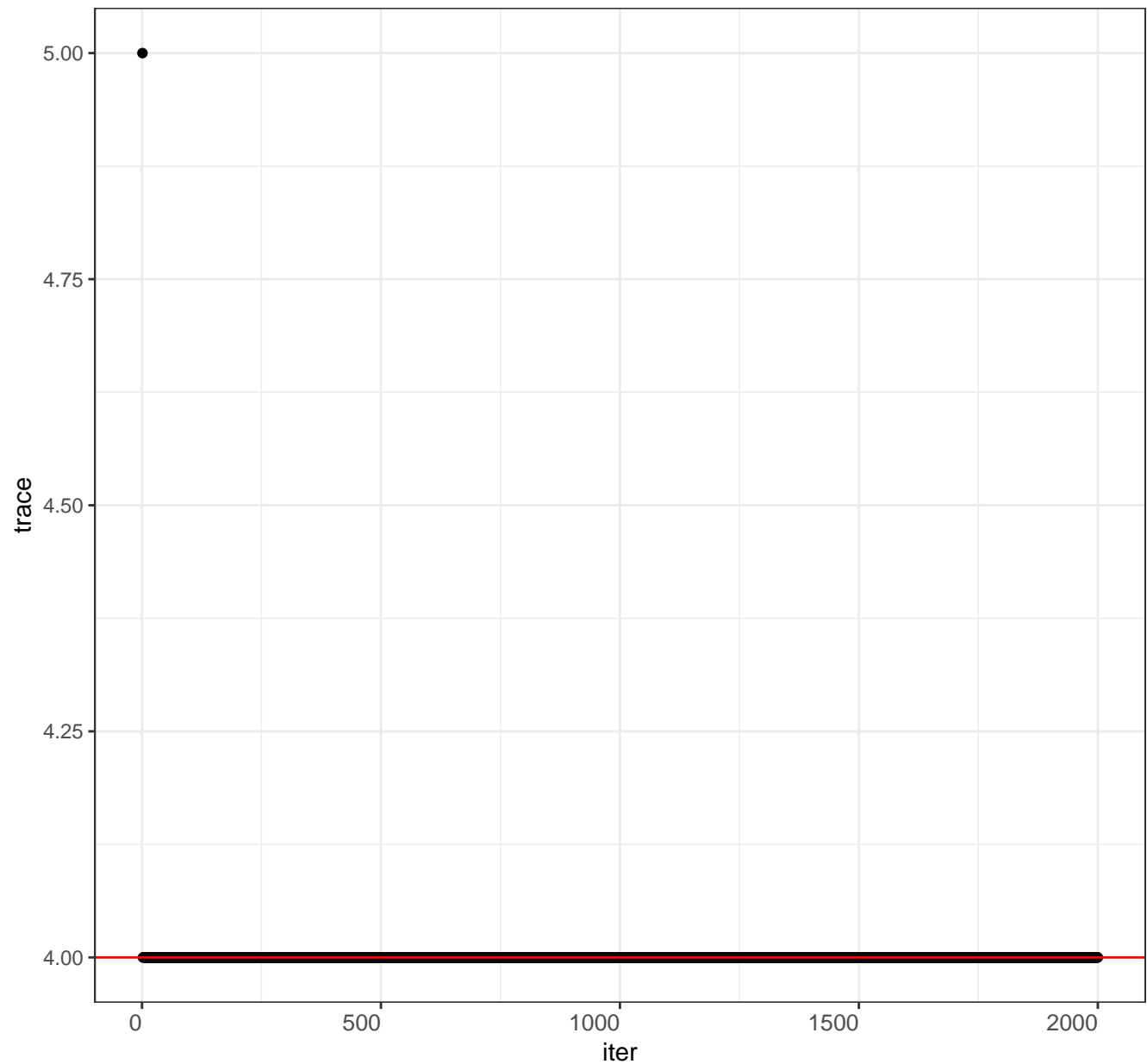
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=10 true K=4 type=2

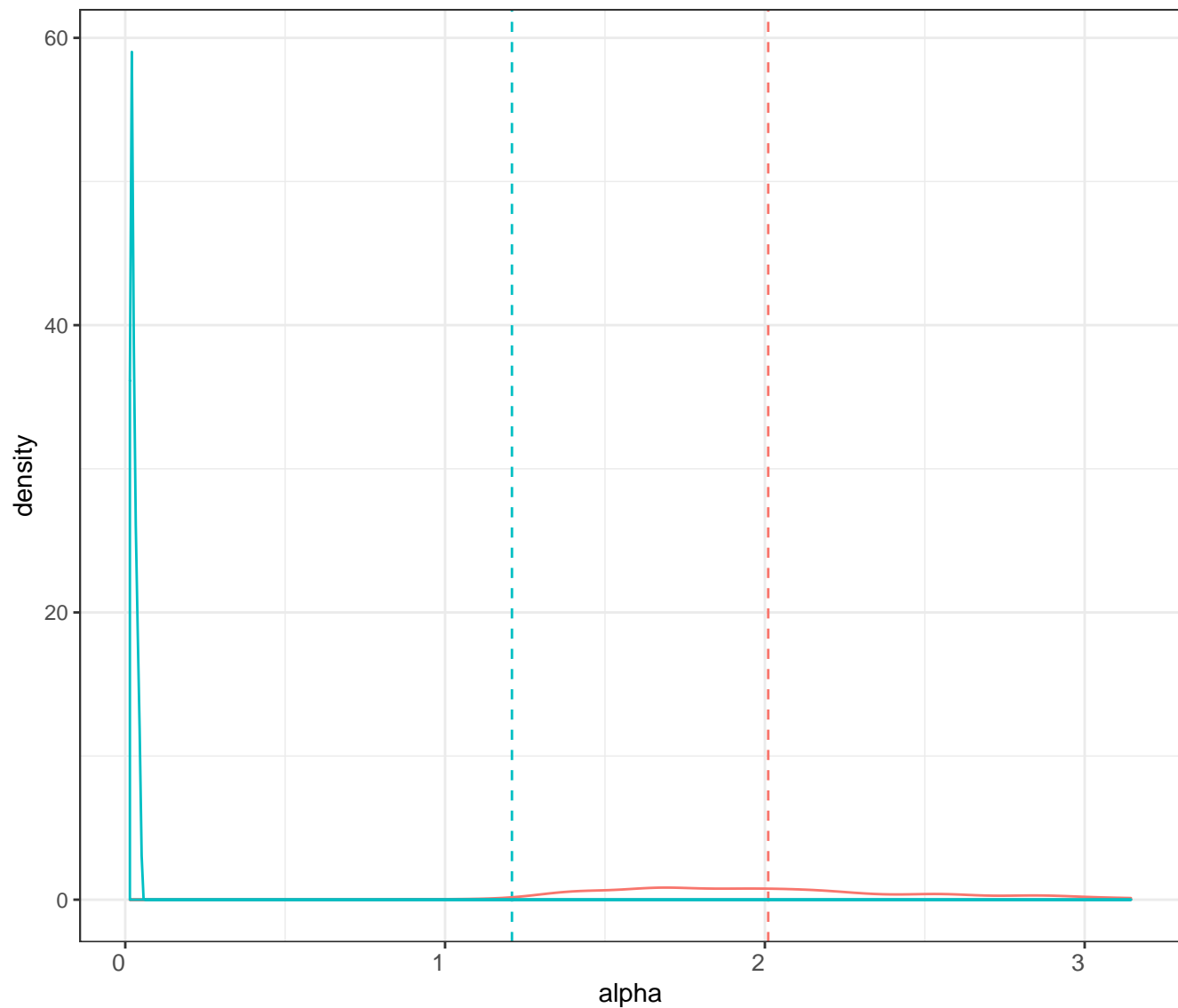
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

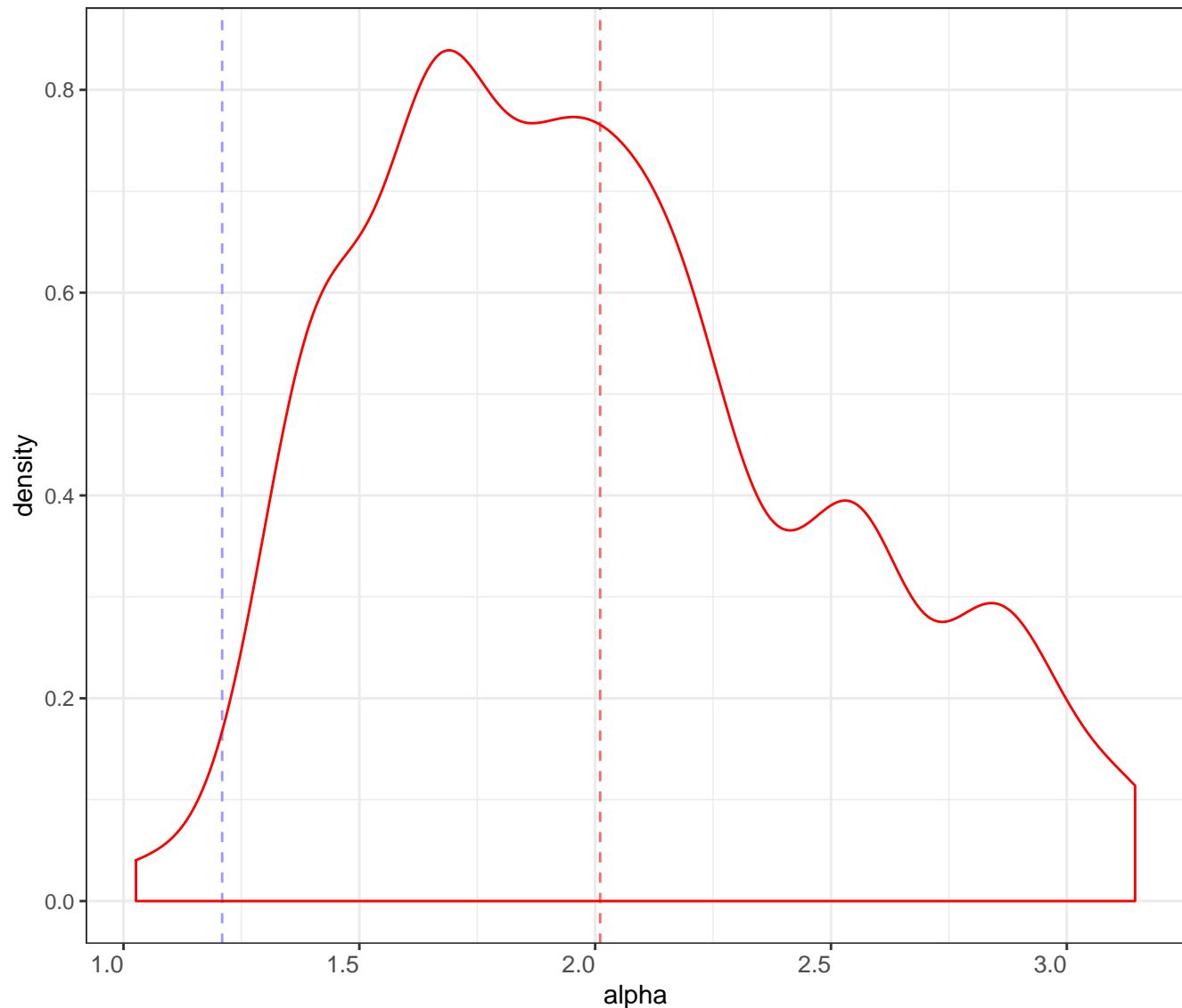
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

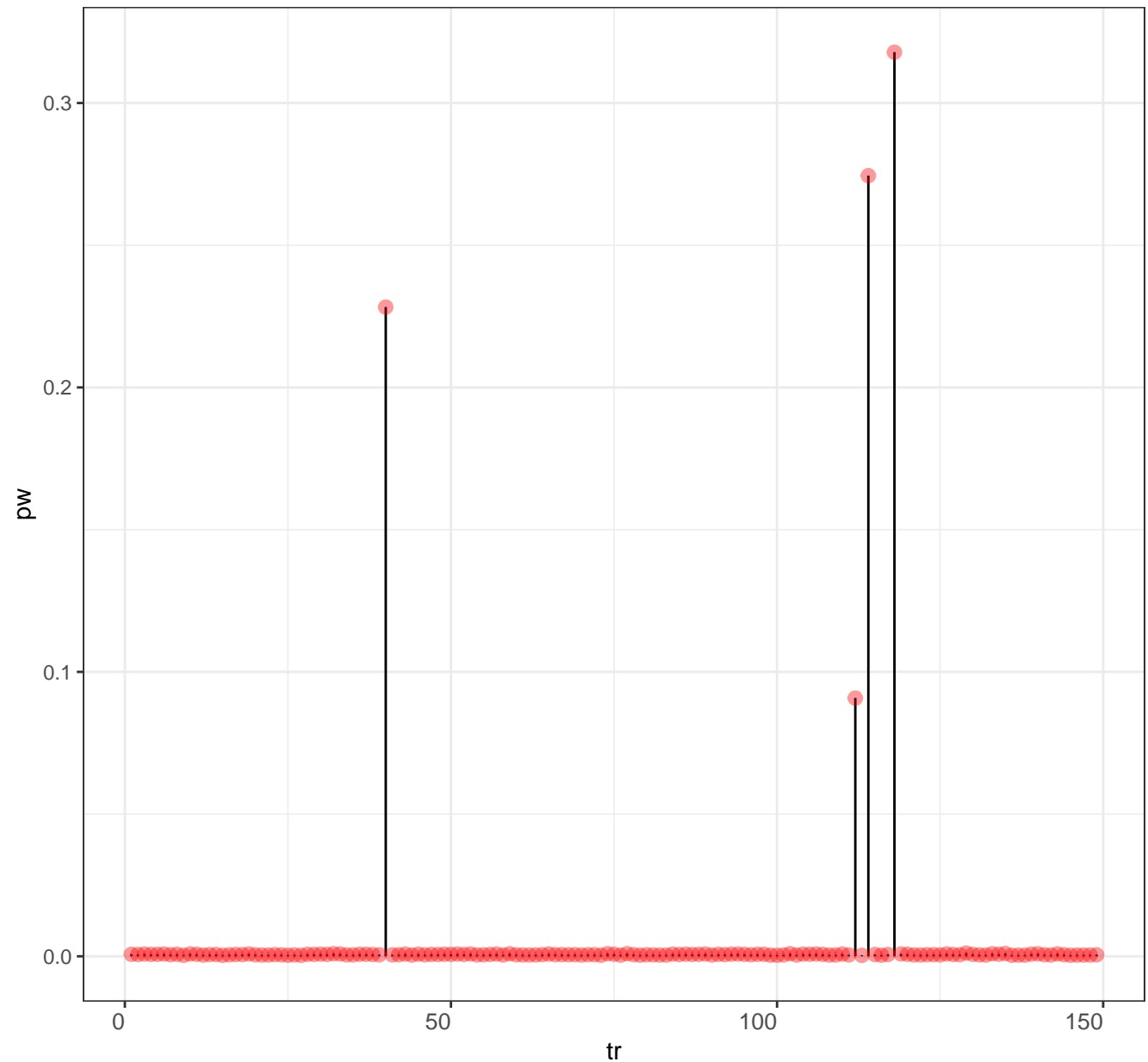
Posterior distribution for alpha

Legend posterior mean prior mean



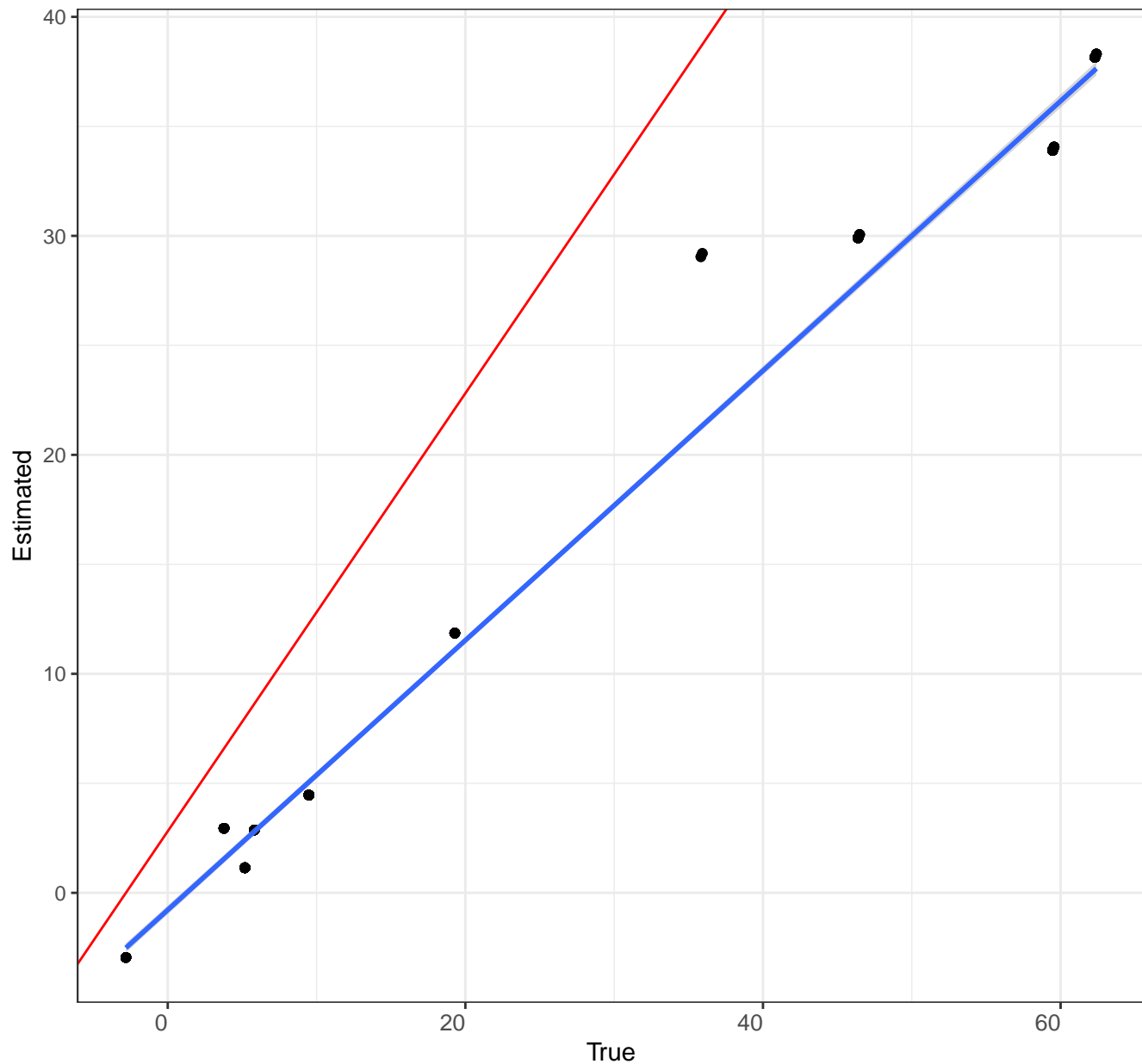
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



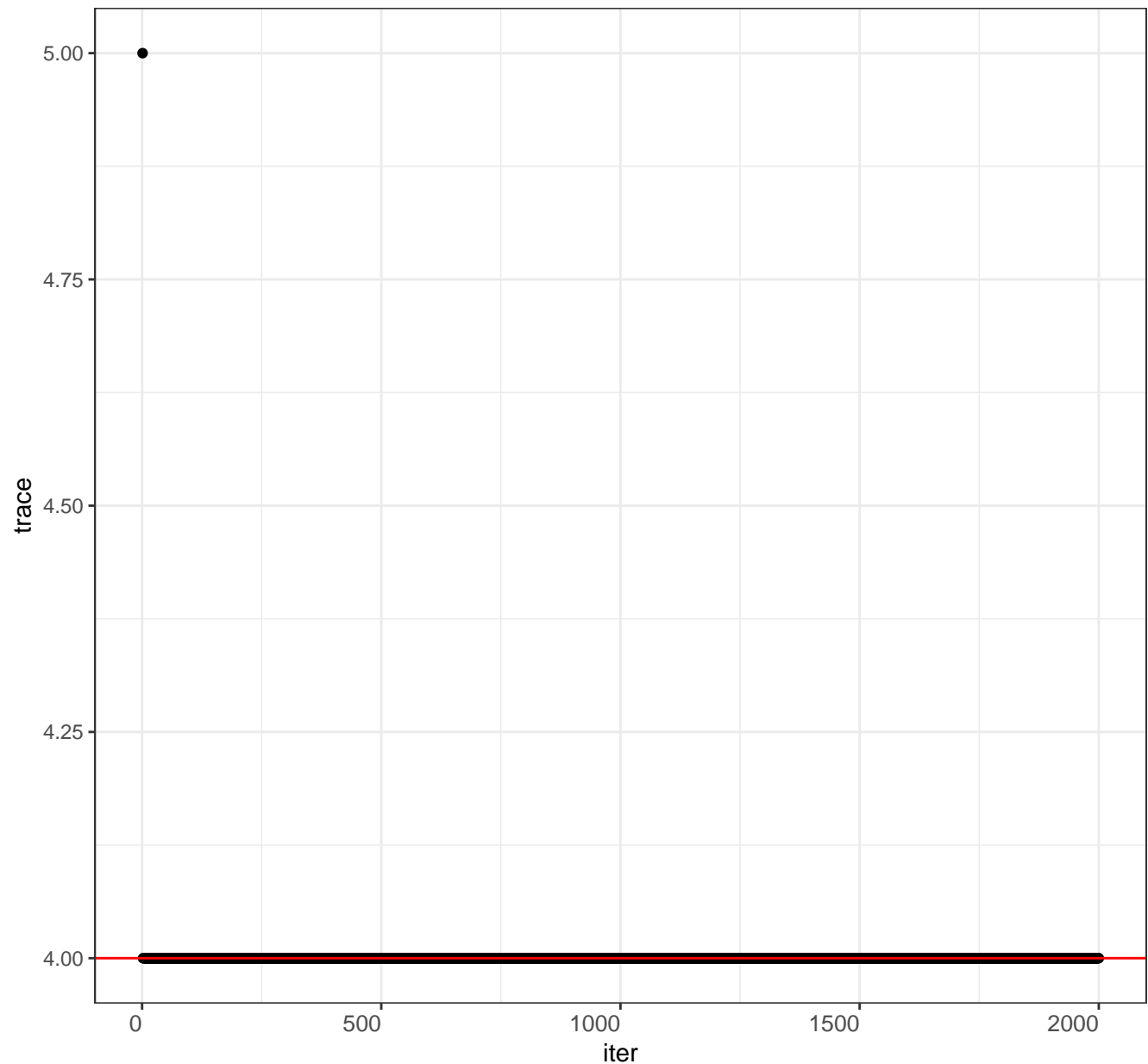
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=10 true K=4 type=2

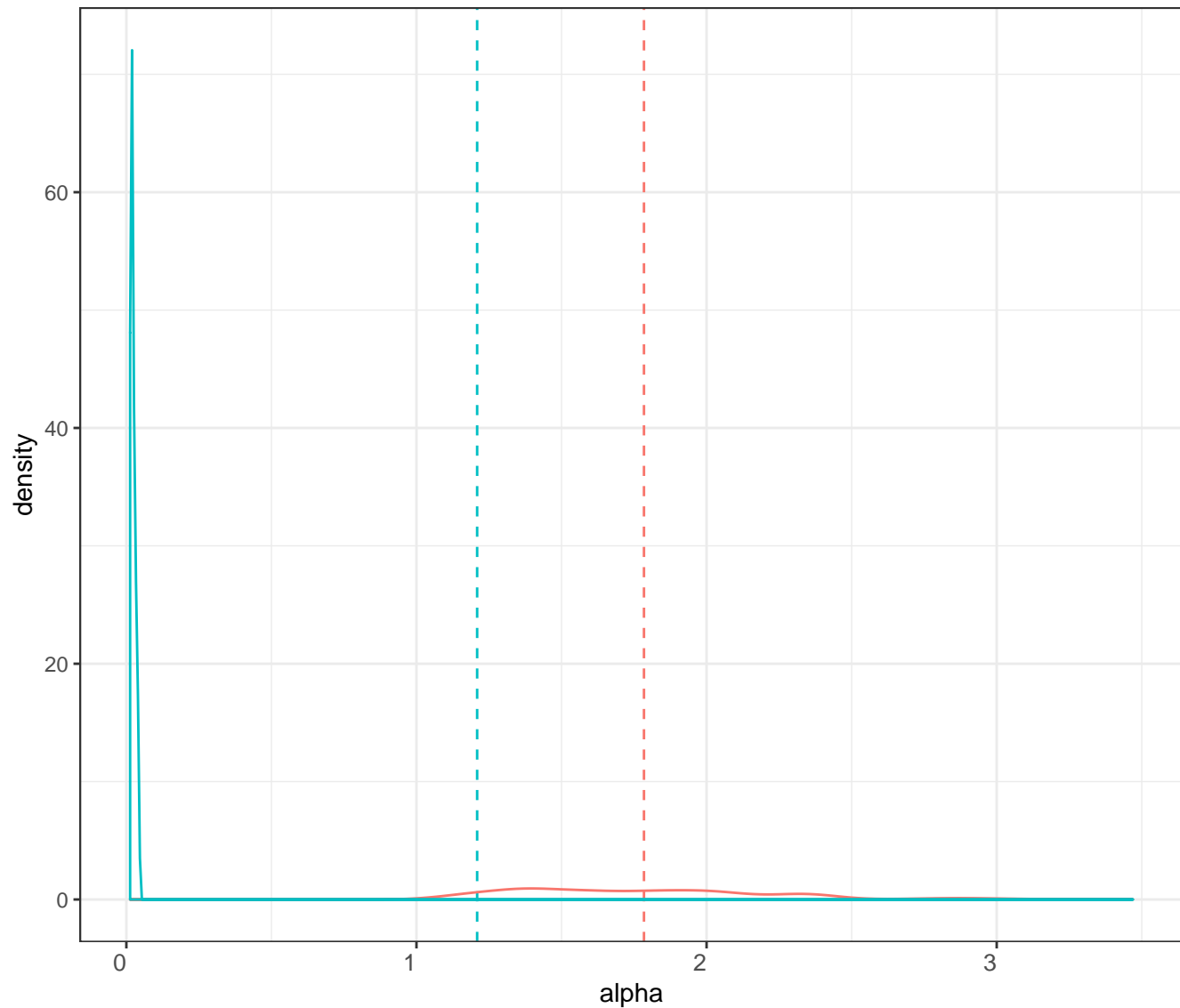
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

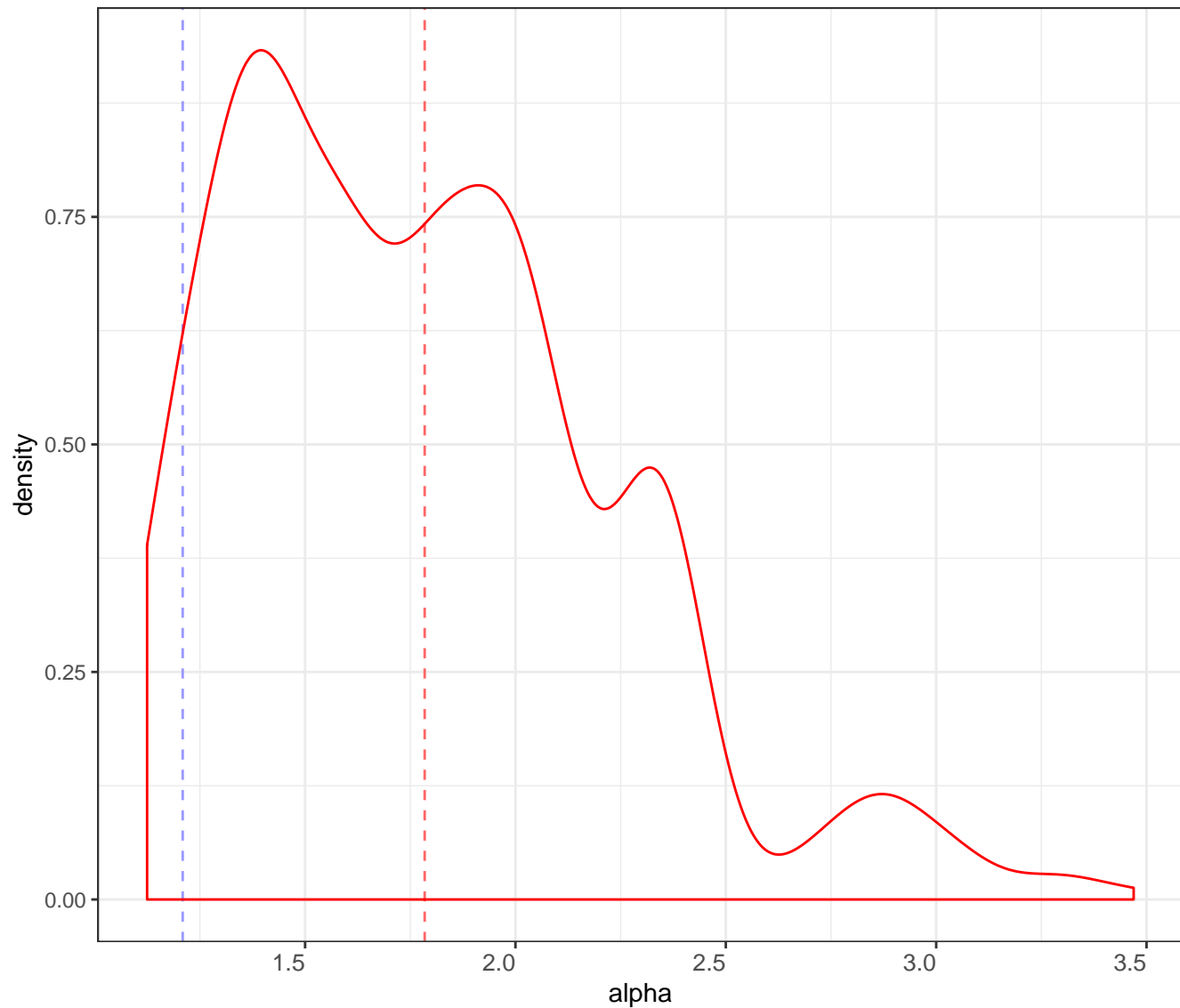
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

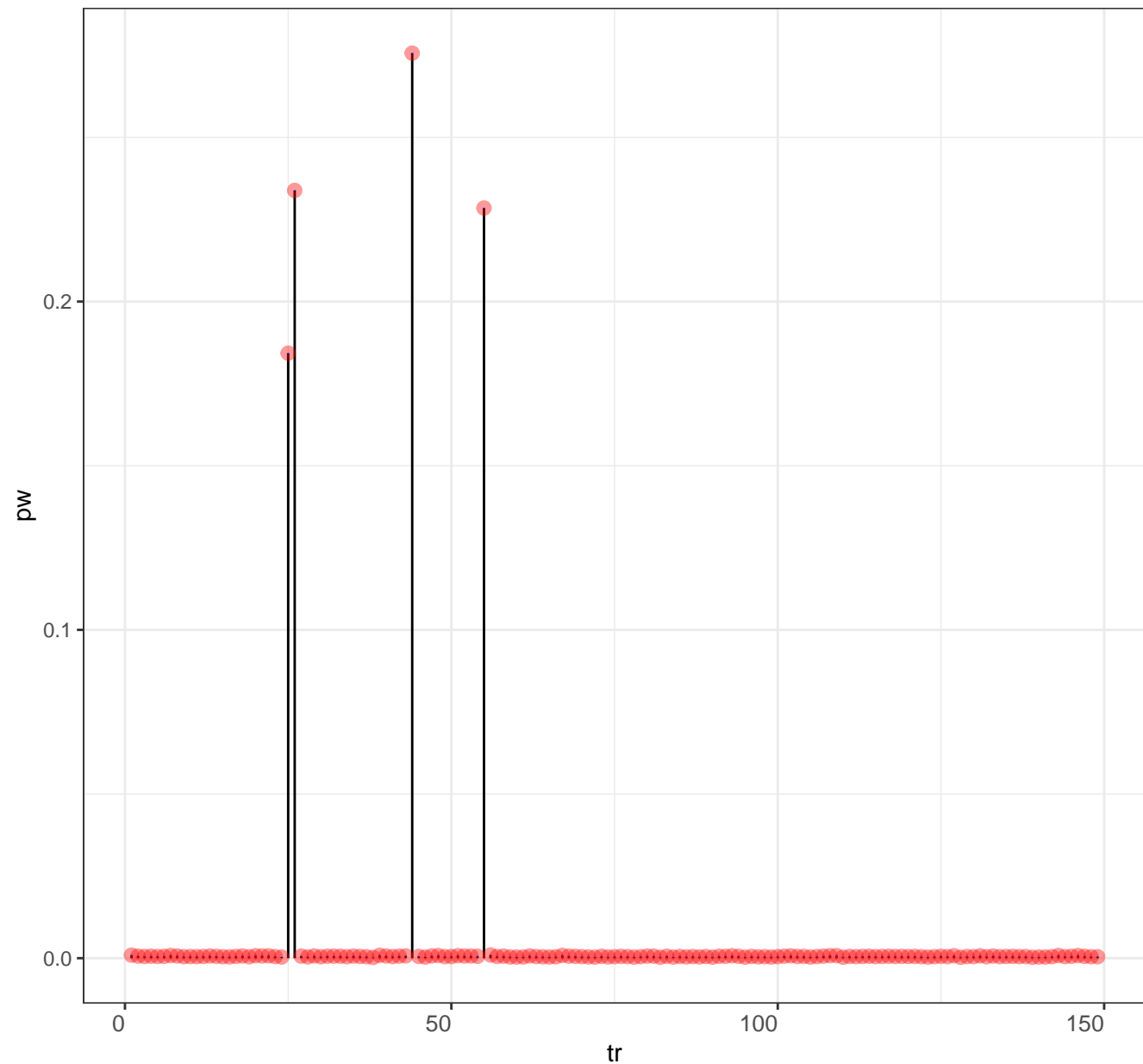
Posterior distribution for alpha

Legend posterior mean prior mean



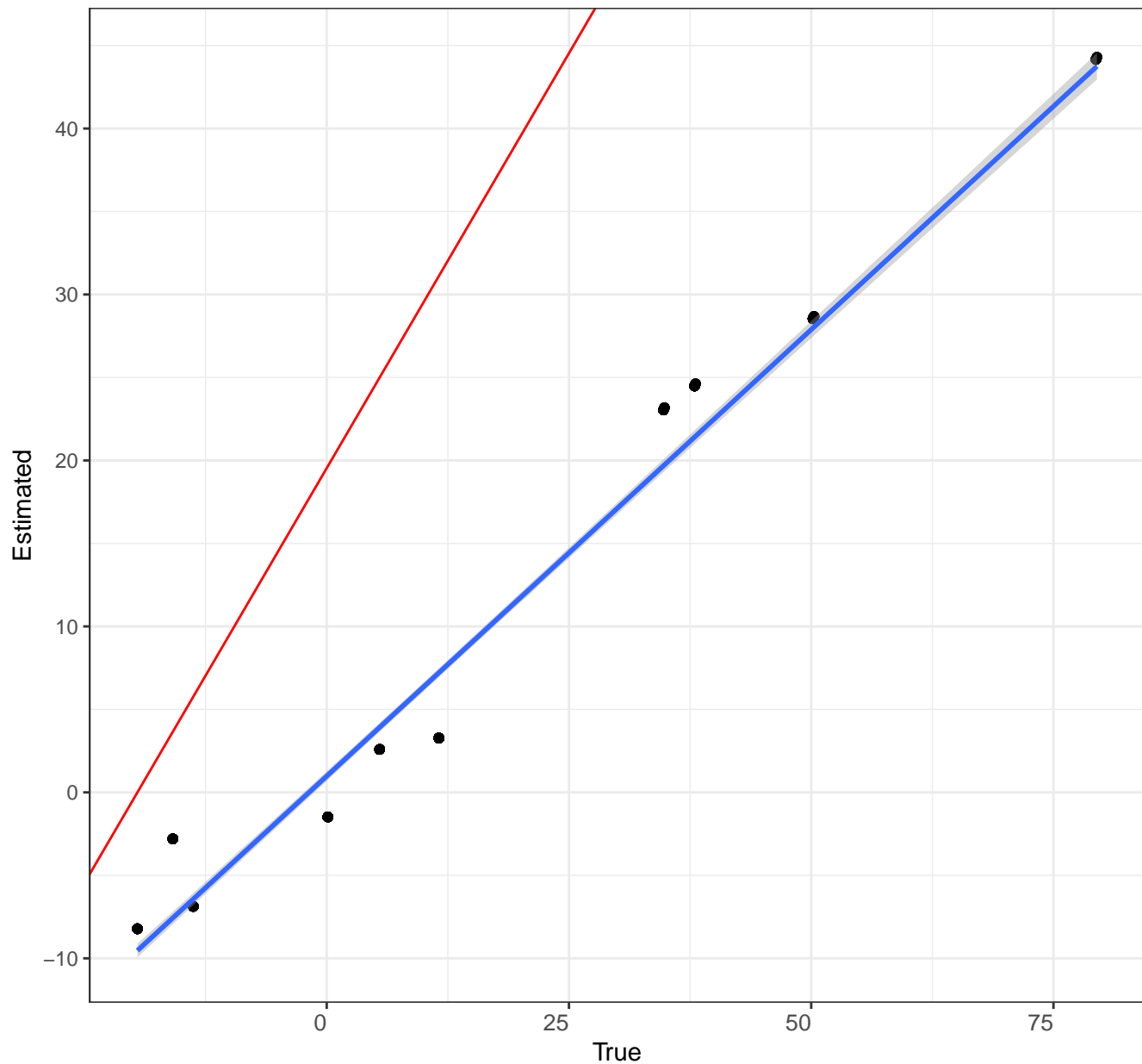
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



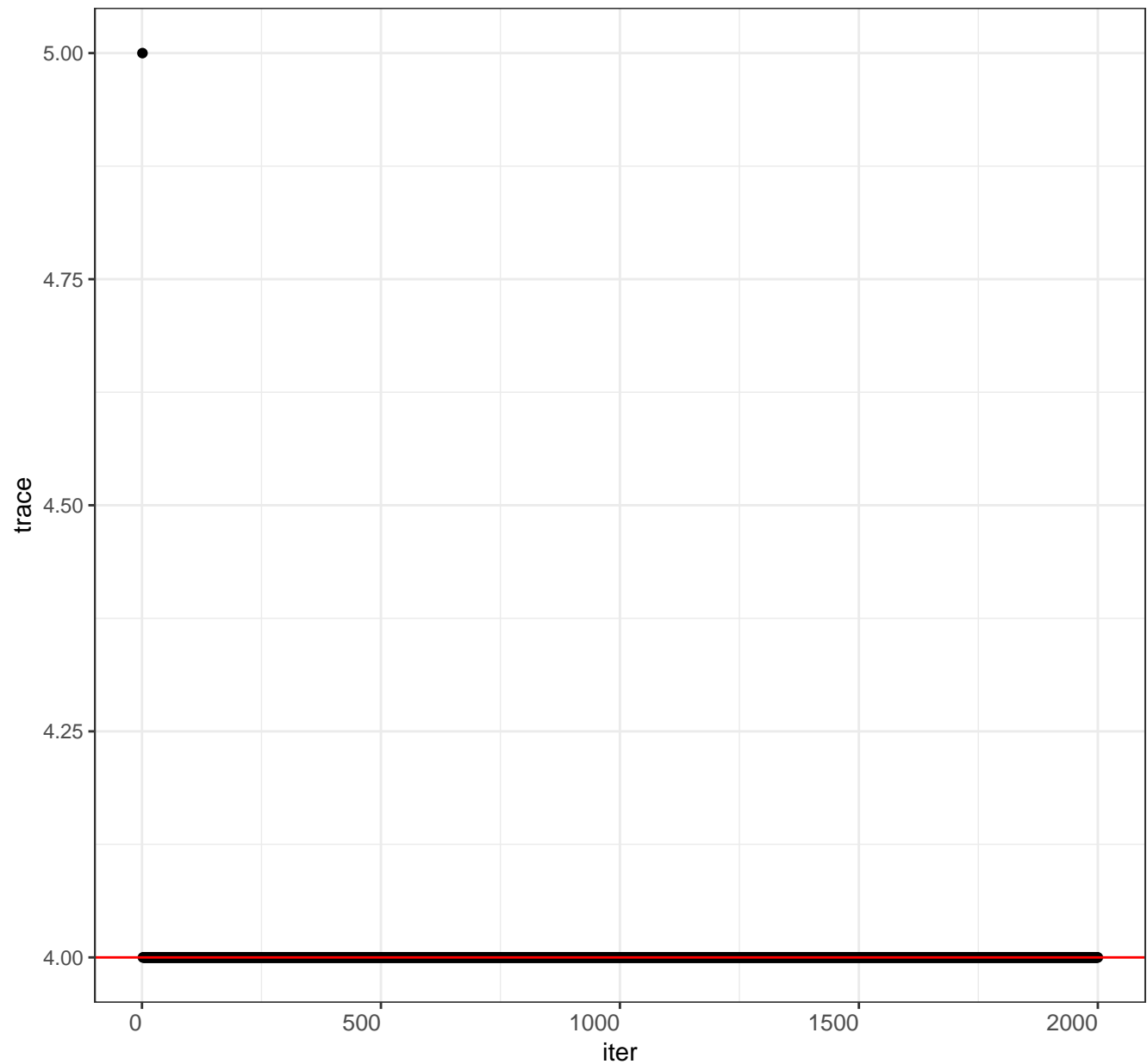
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=10 true K=4 type=2

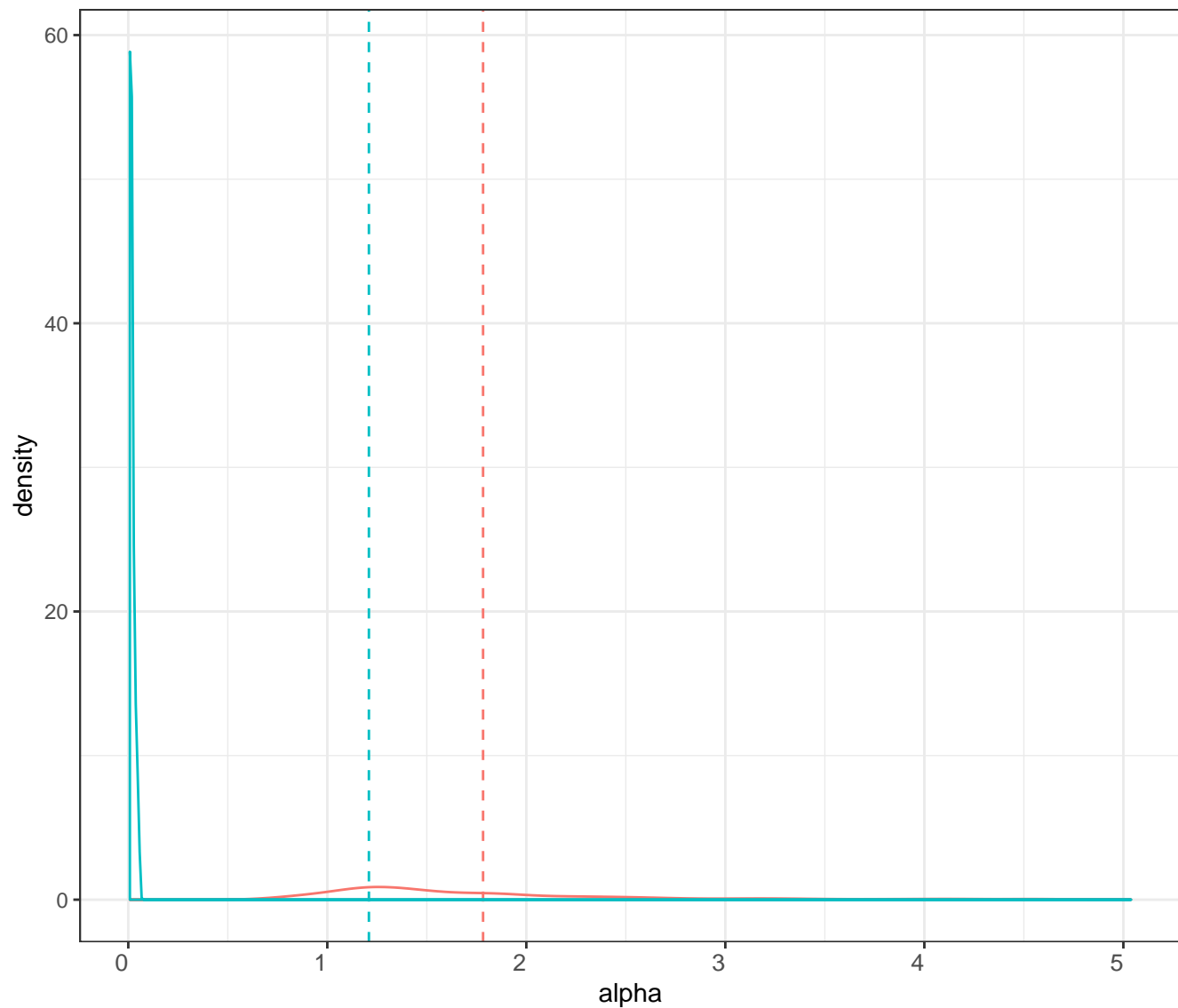
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

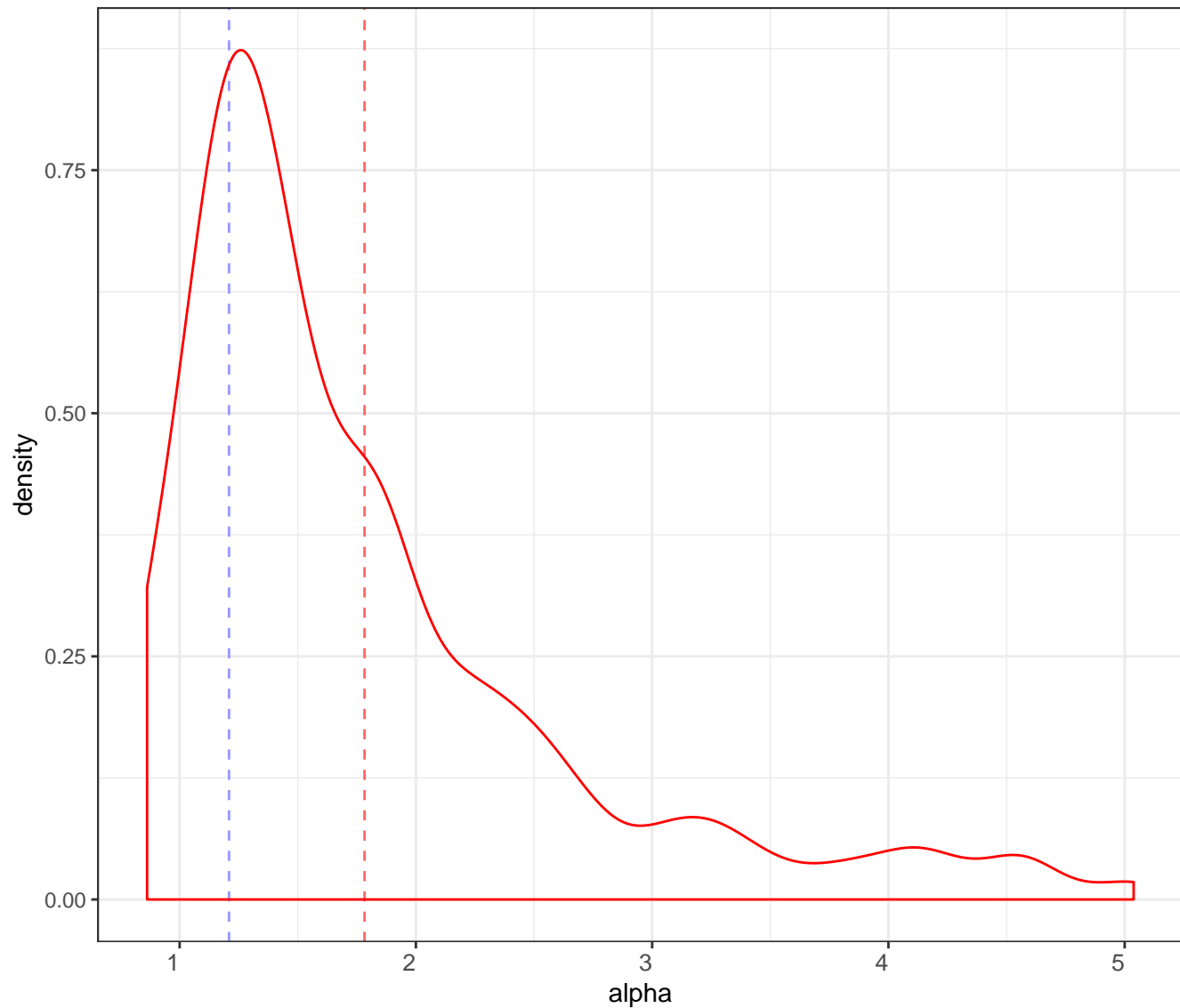
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

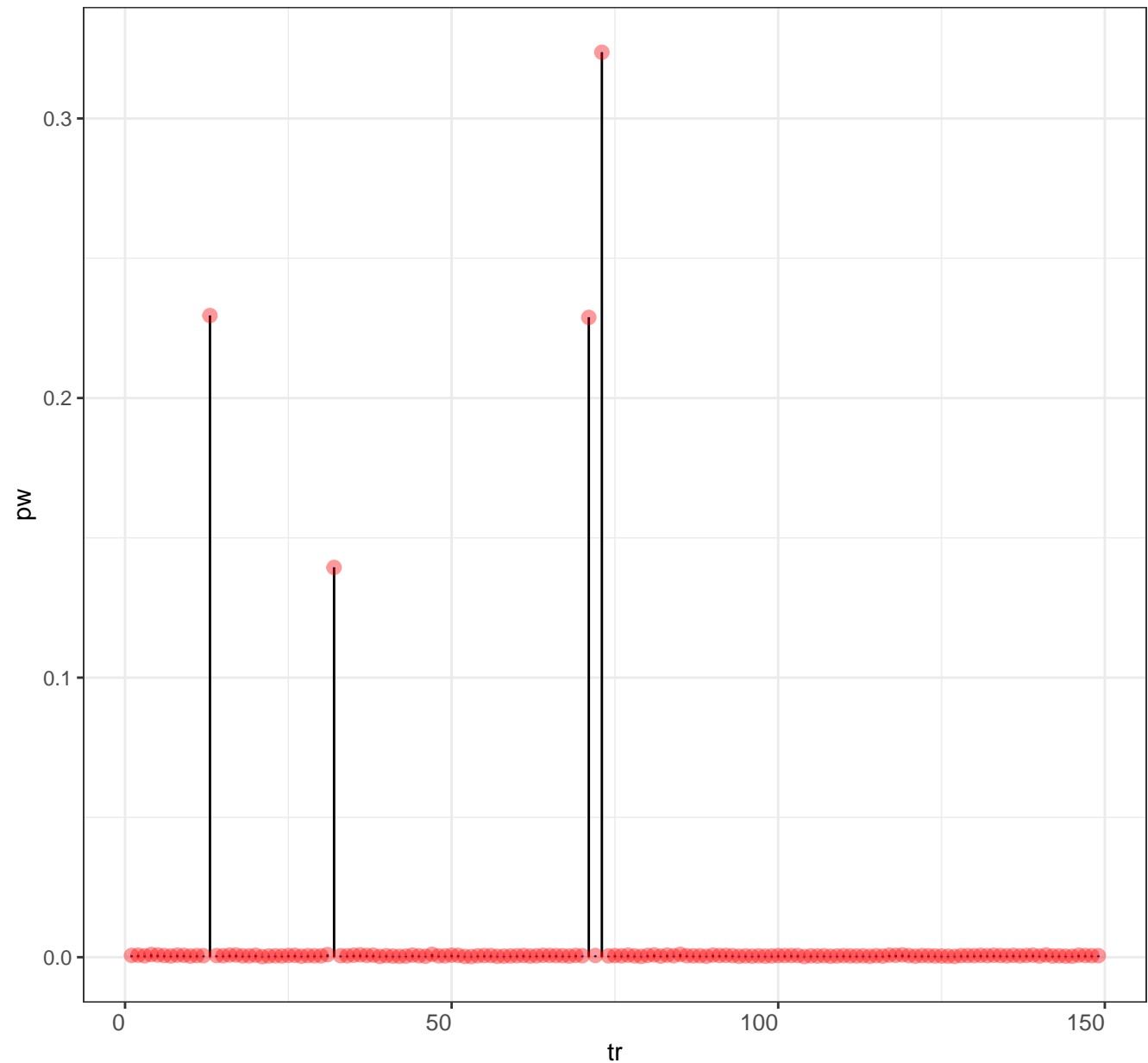
Posterior distribution for alpha

Legend posterior mean prior mean



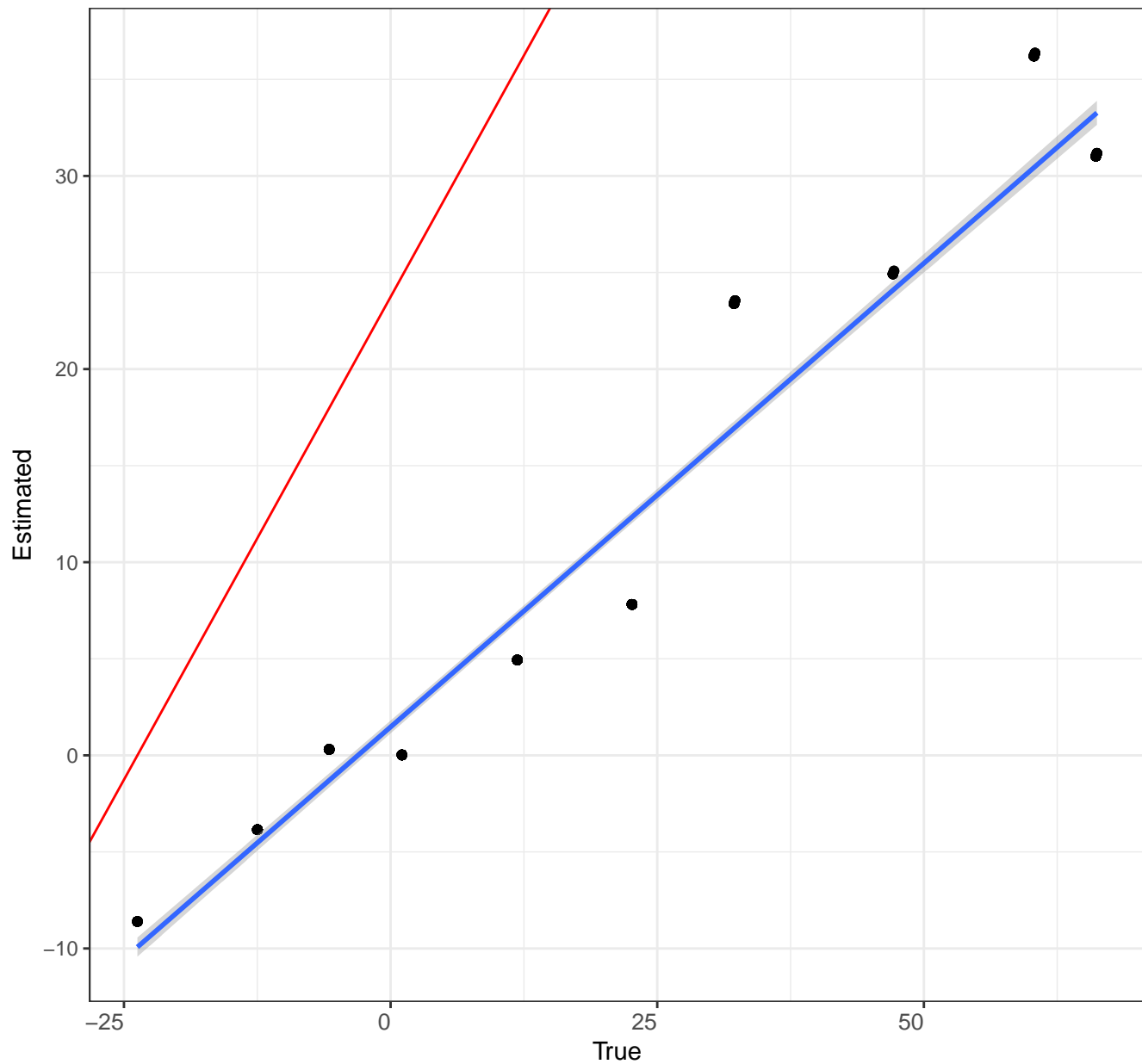
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



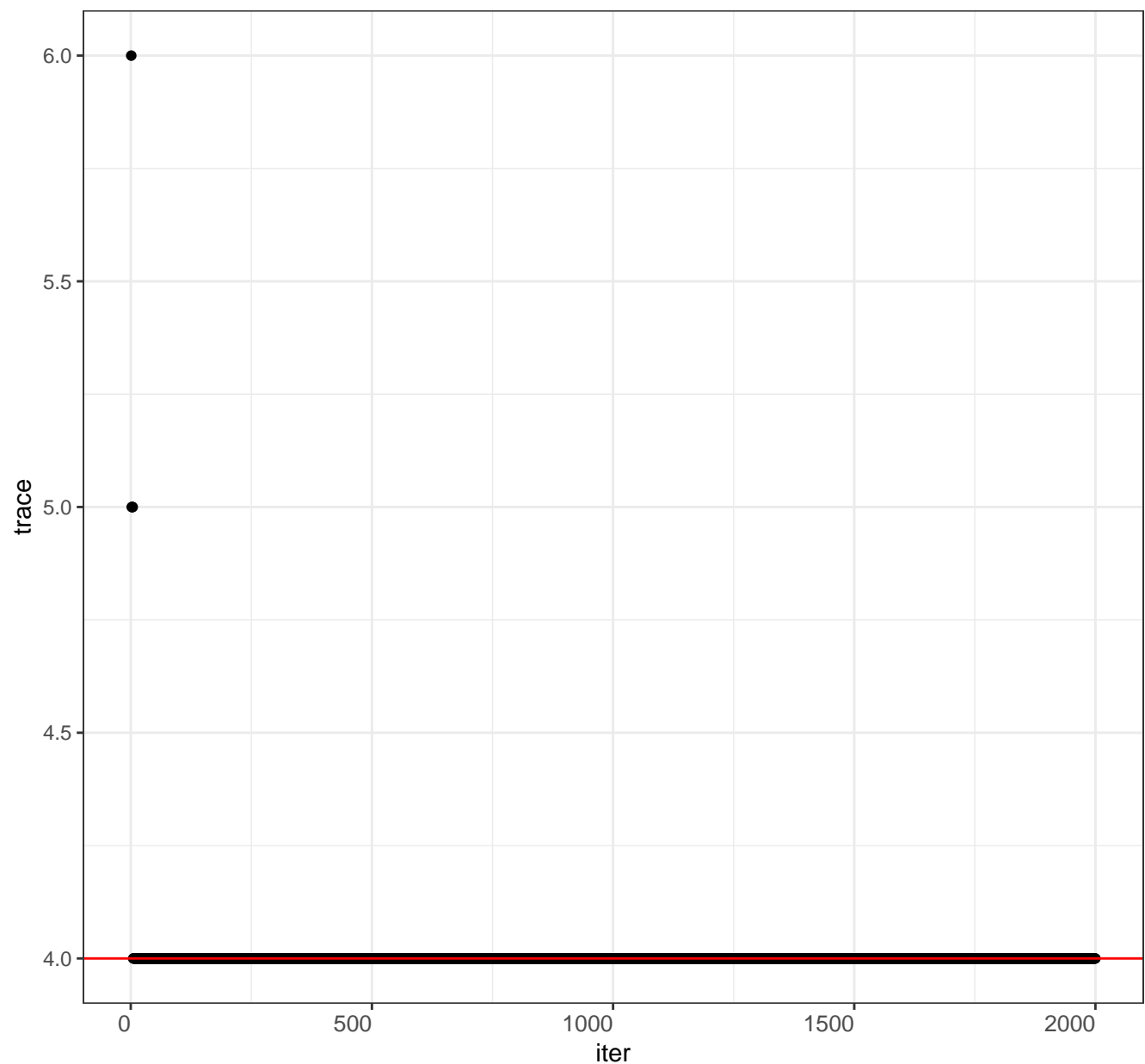
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=10 true K=4 type=2

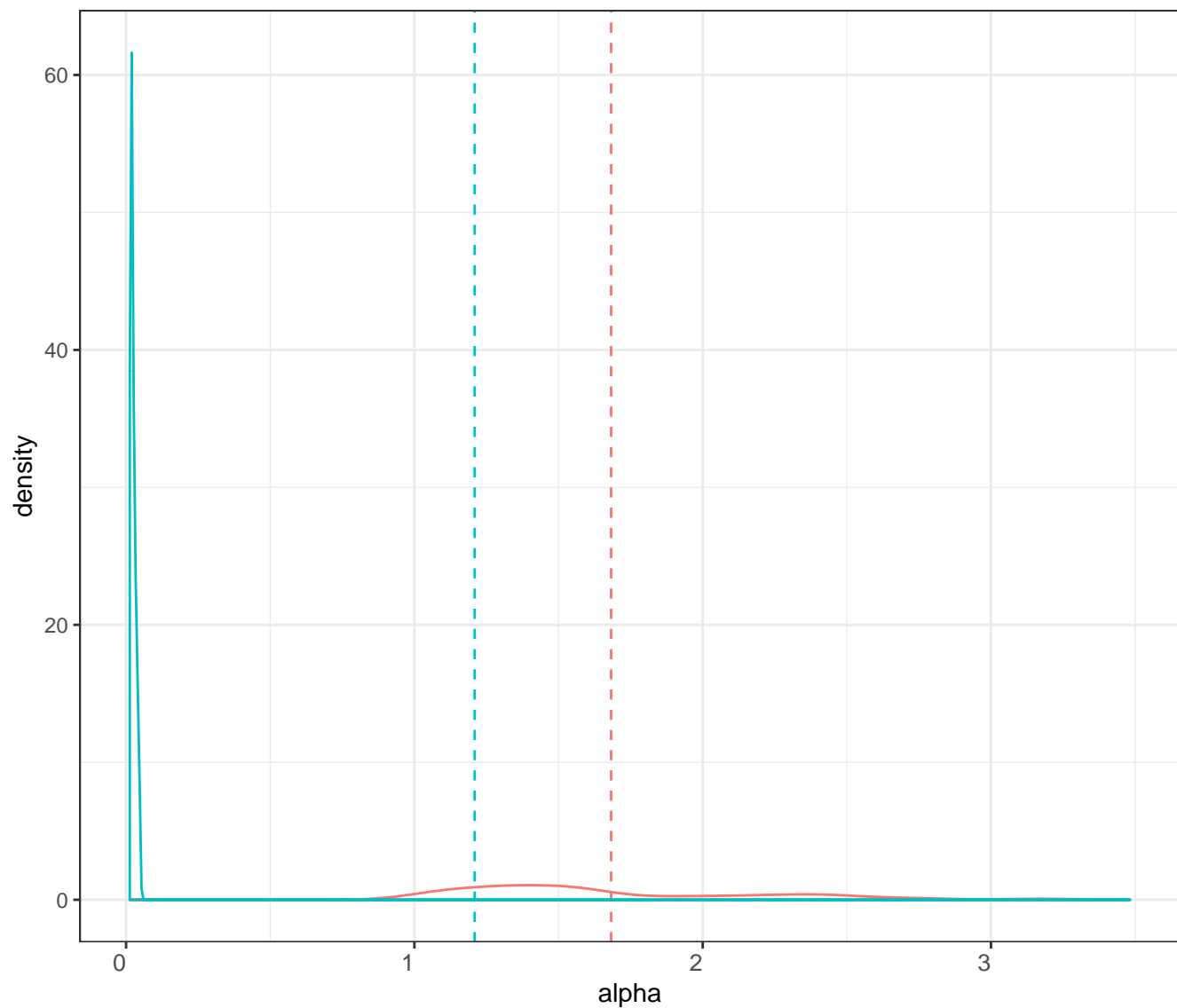
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

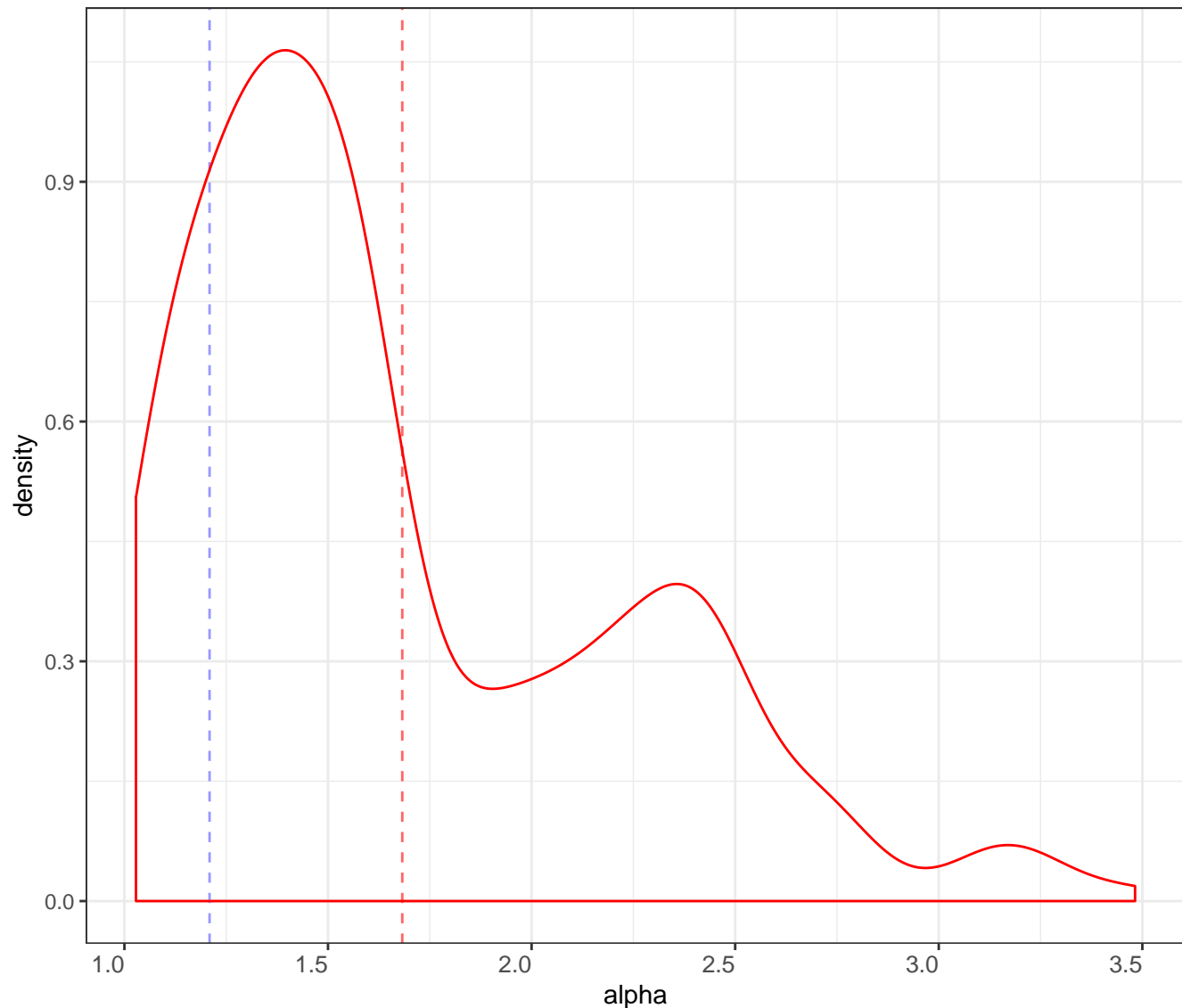
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

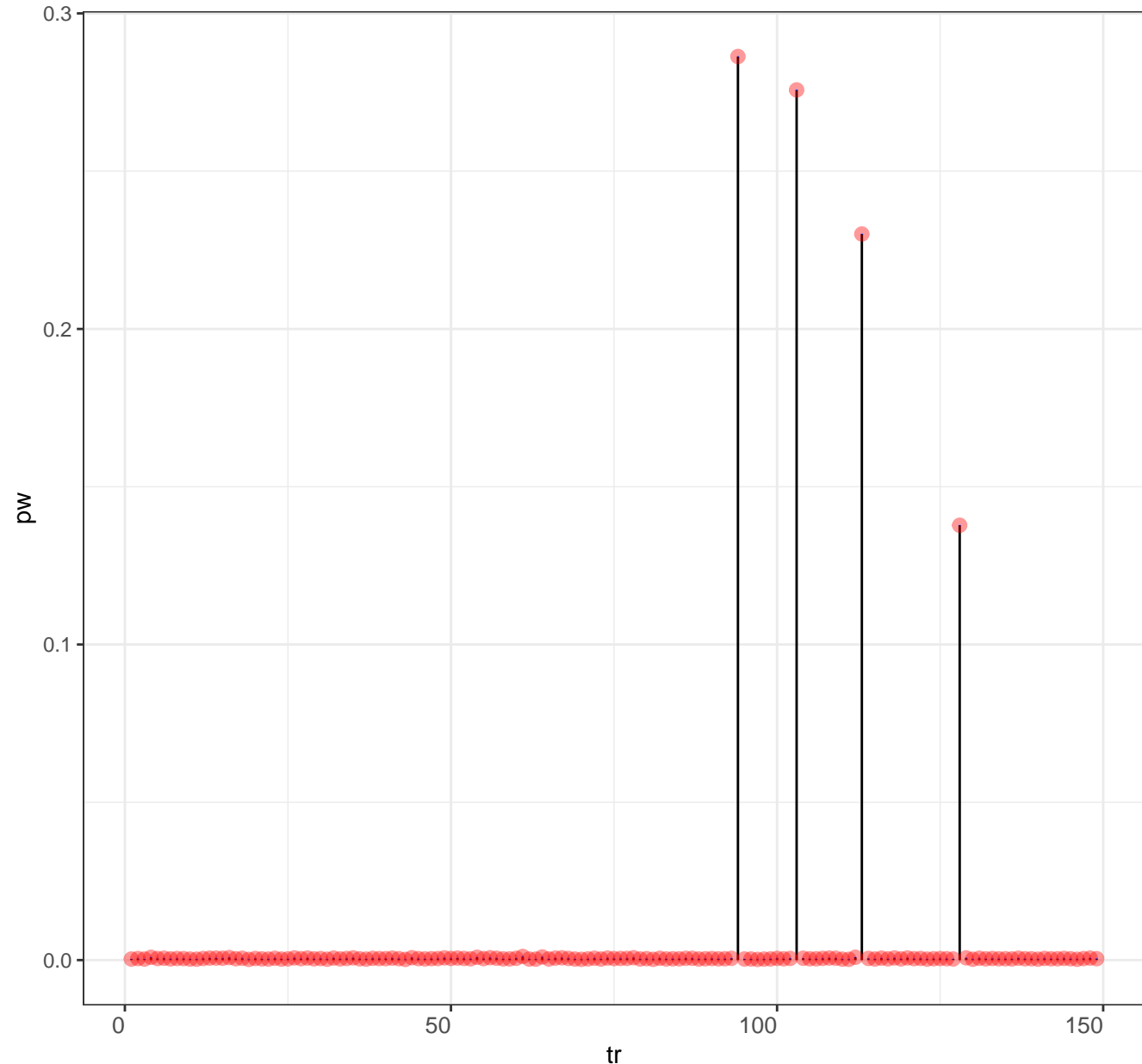
Posterior distribution for alpha

Legend posterior mean prior mean



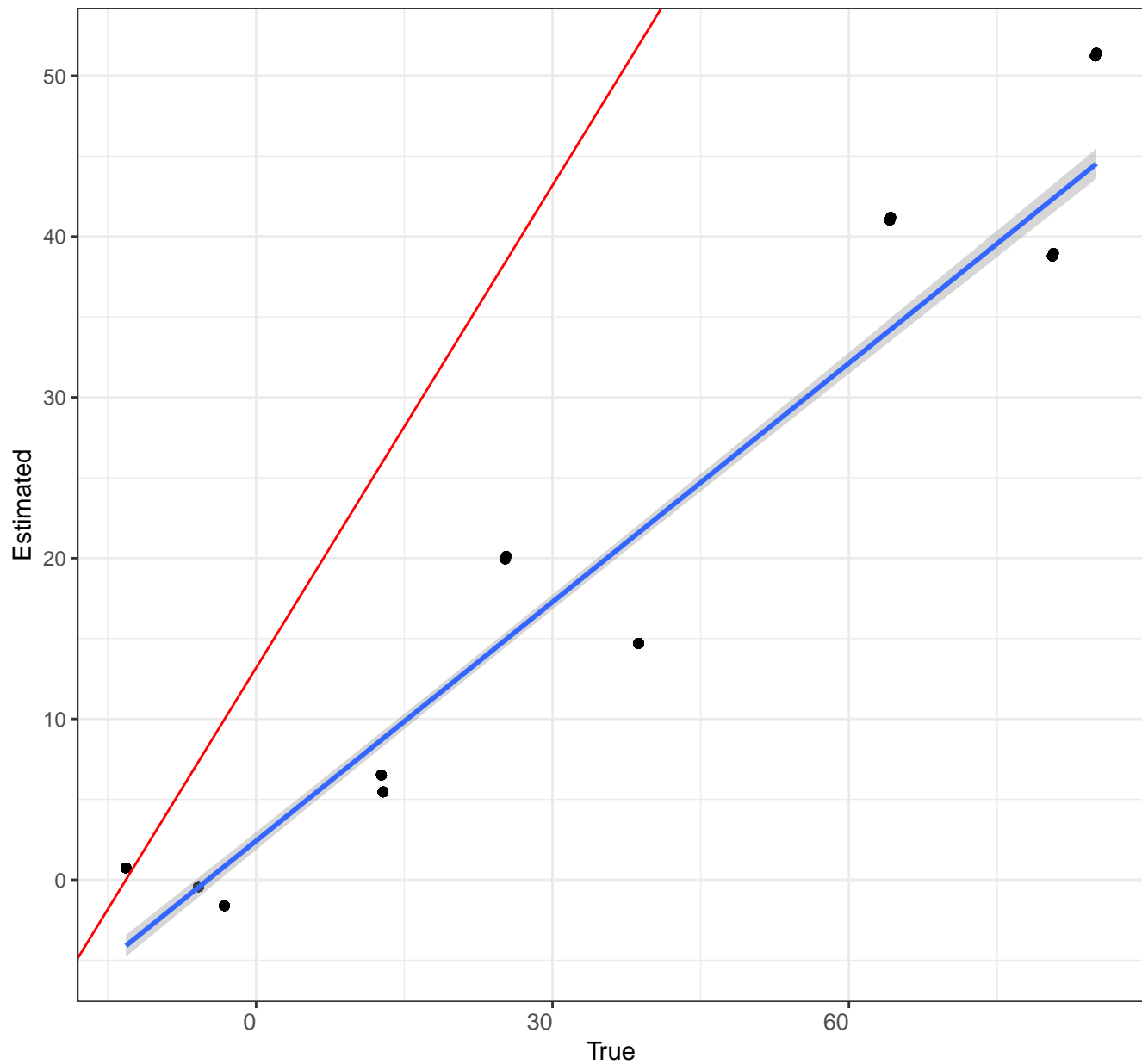
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



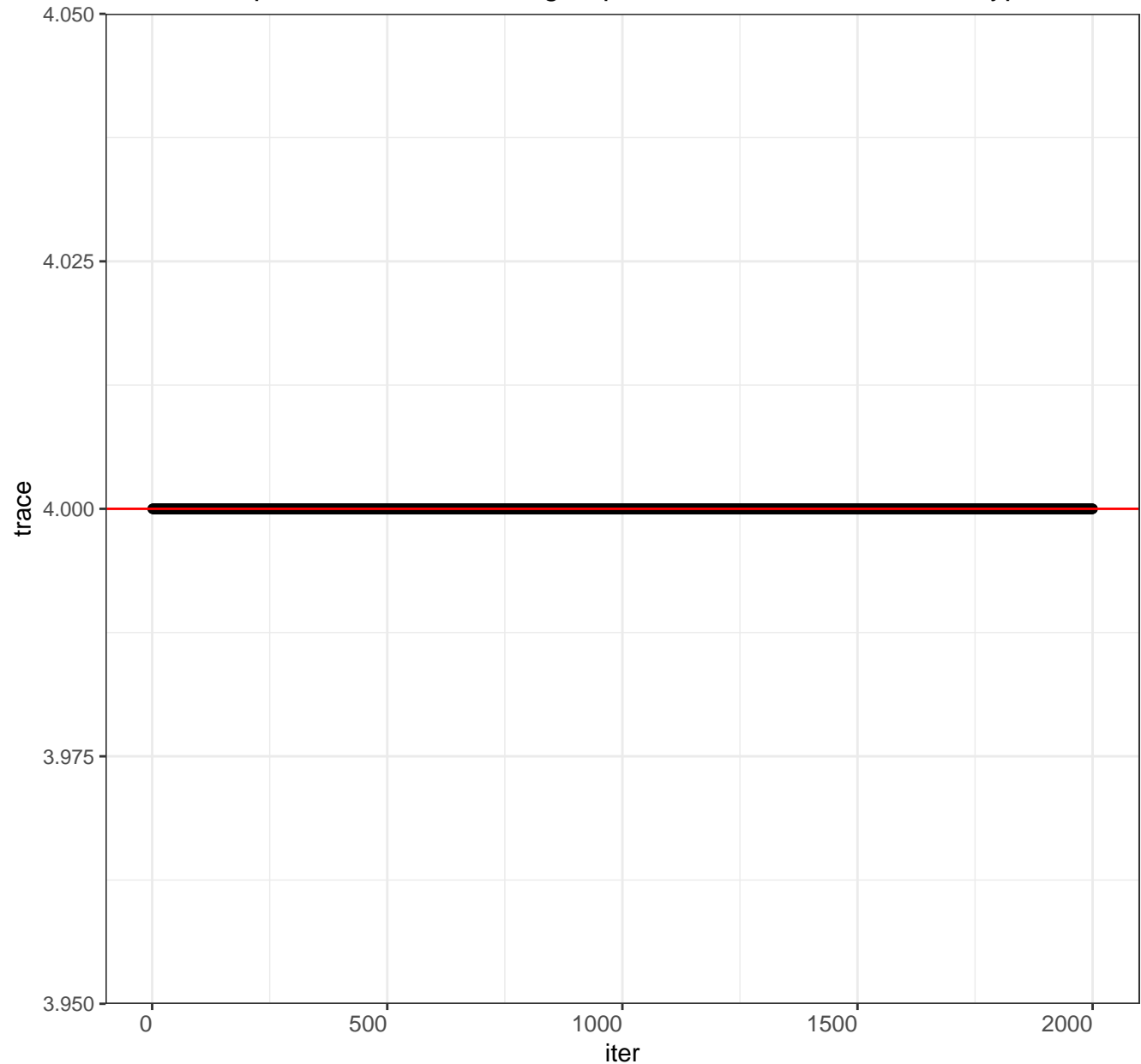
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=10 true K=4 type=2

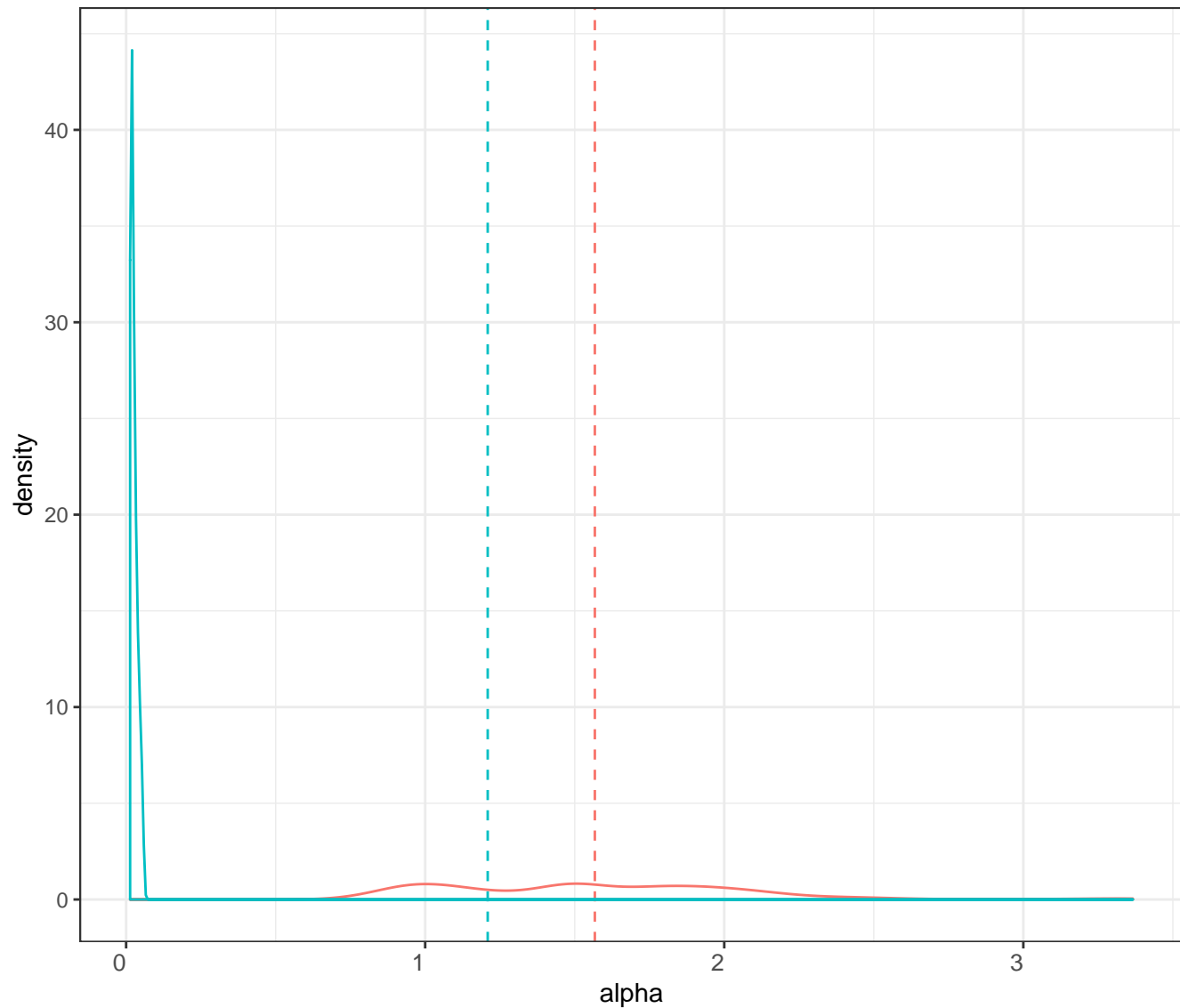
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

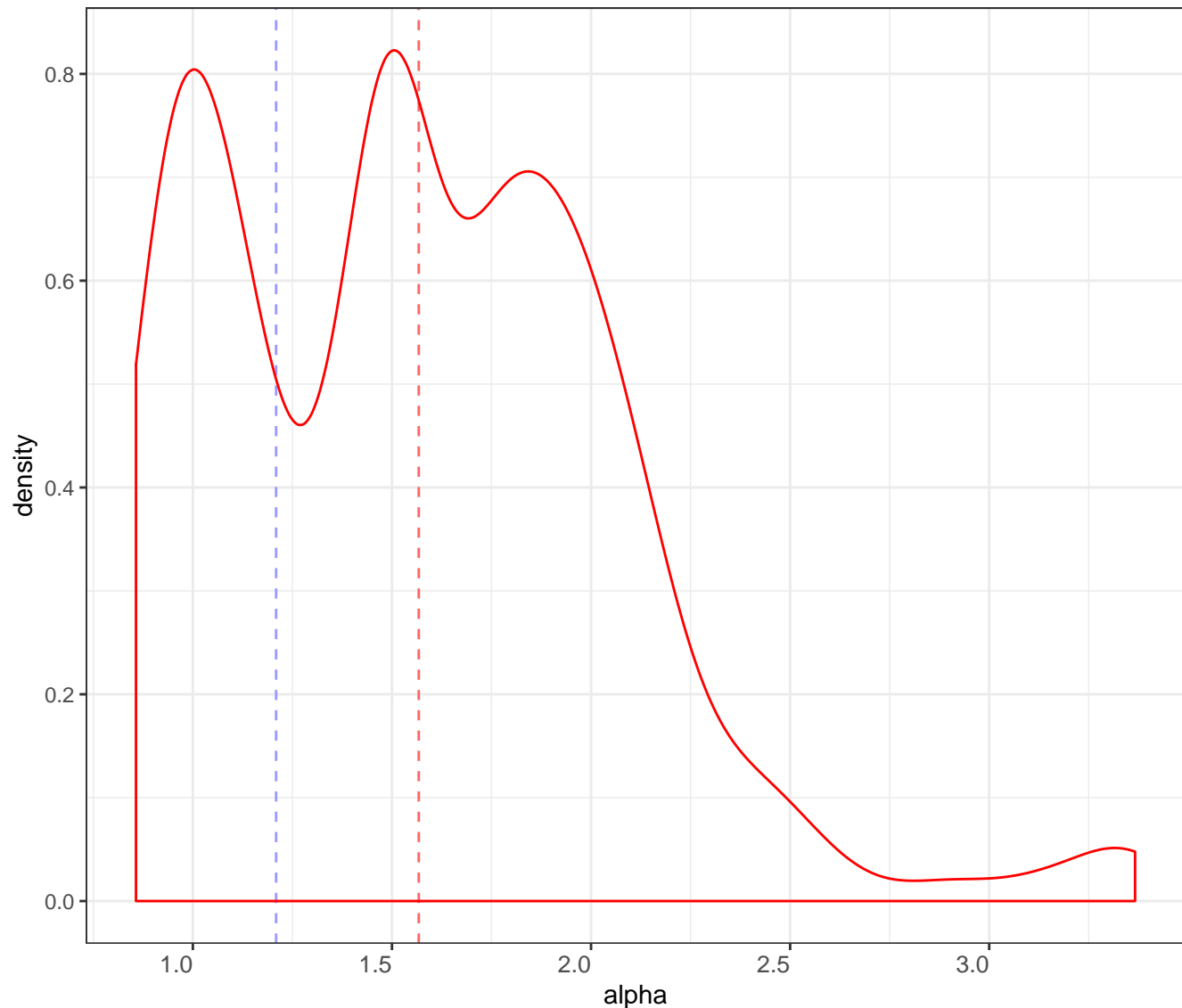
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

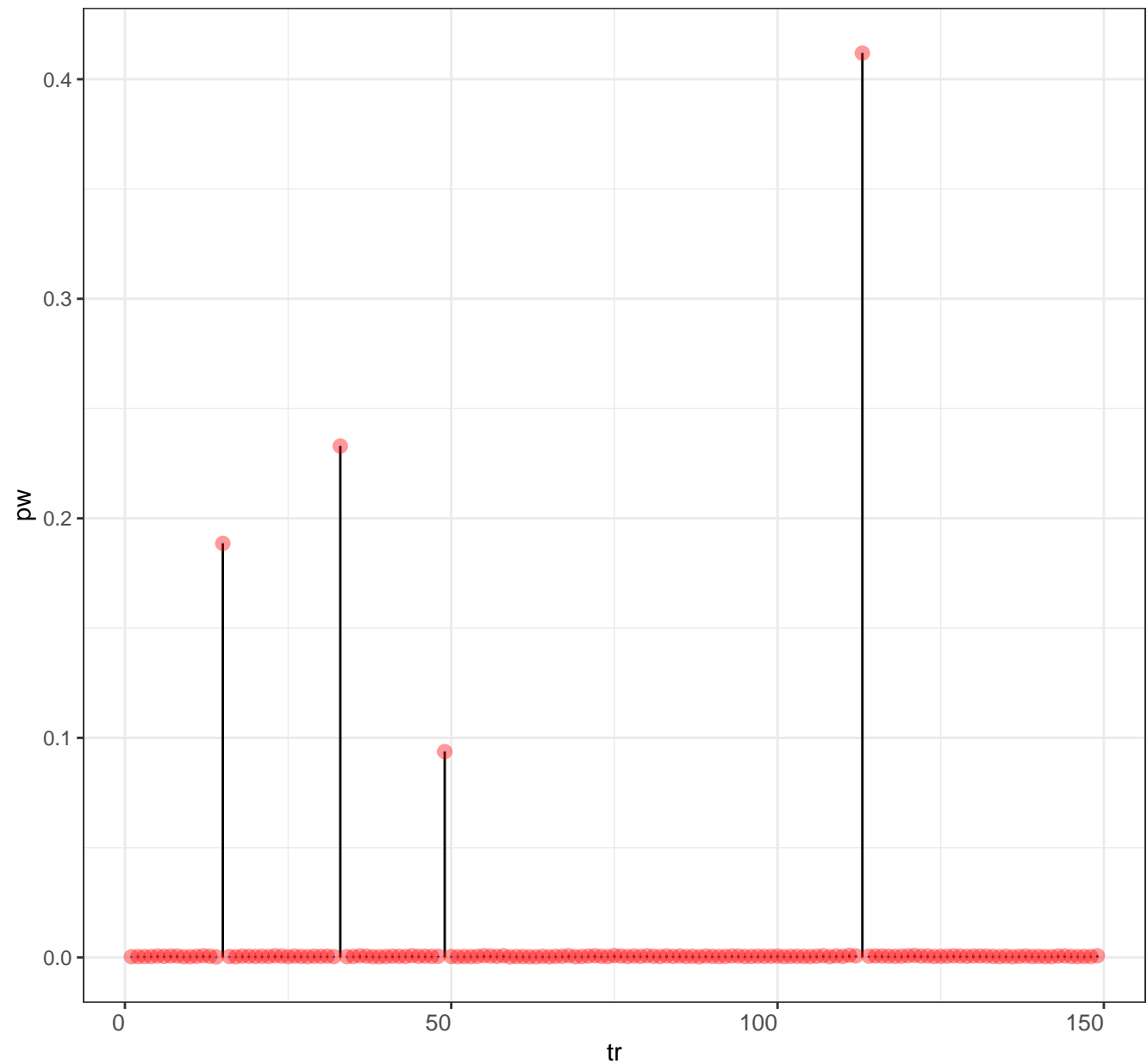
Posterior distribution for alpha

Legend posterior mean prior mean



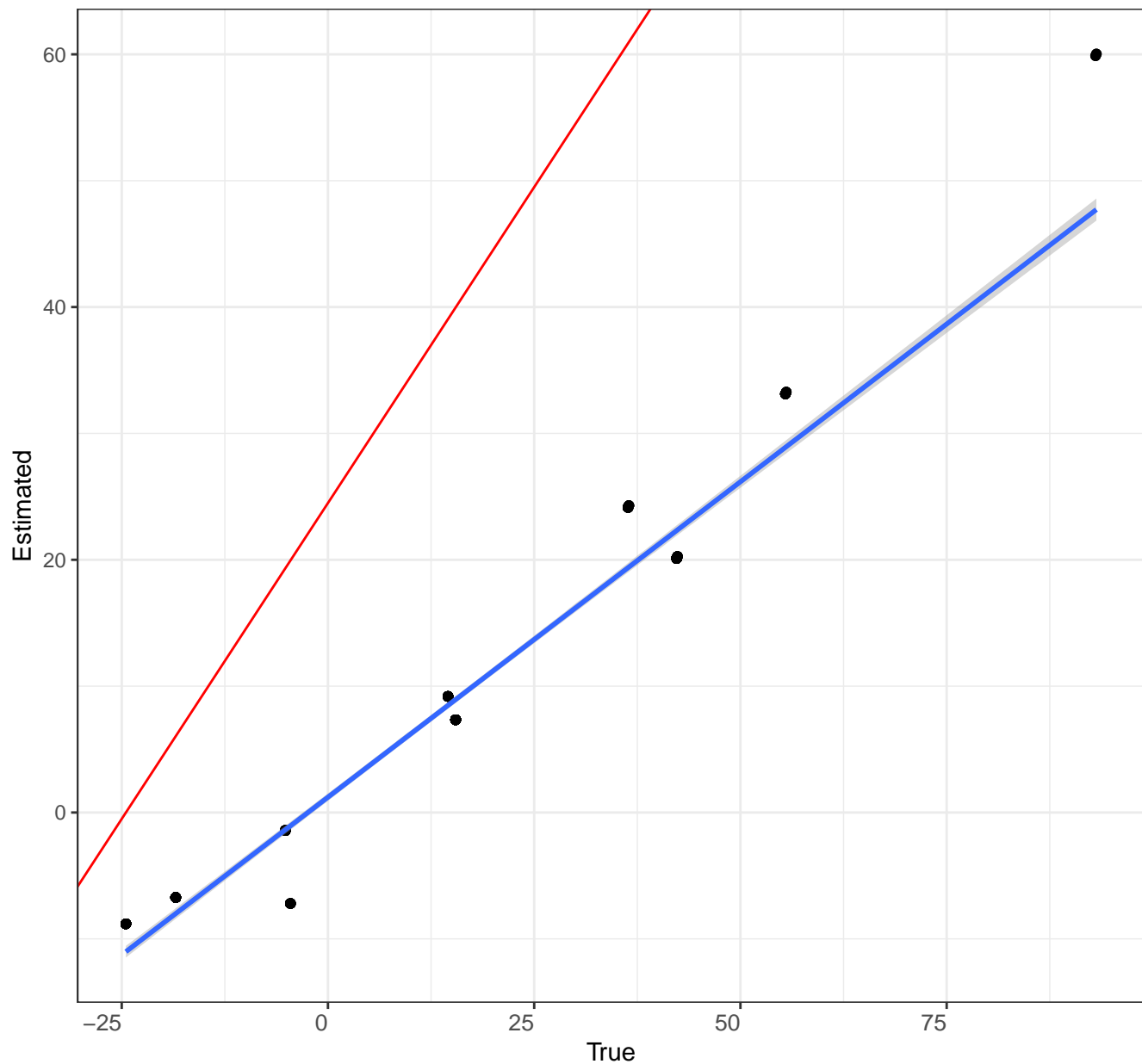
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



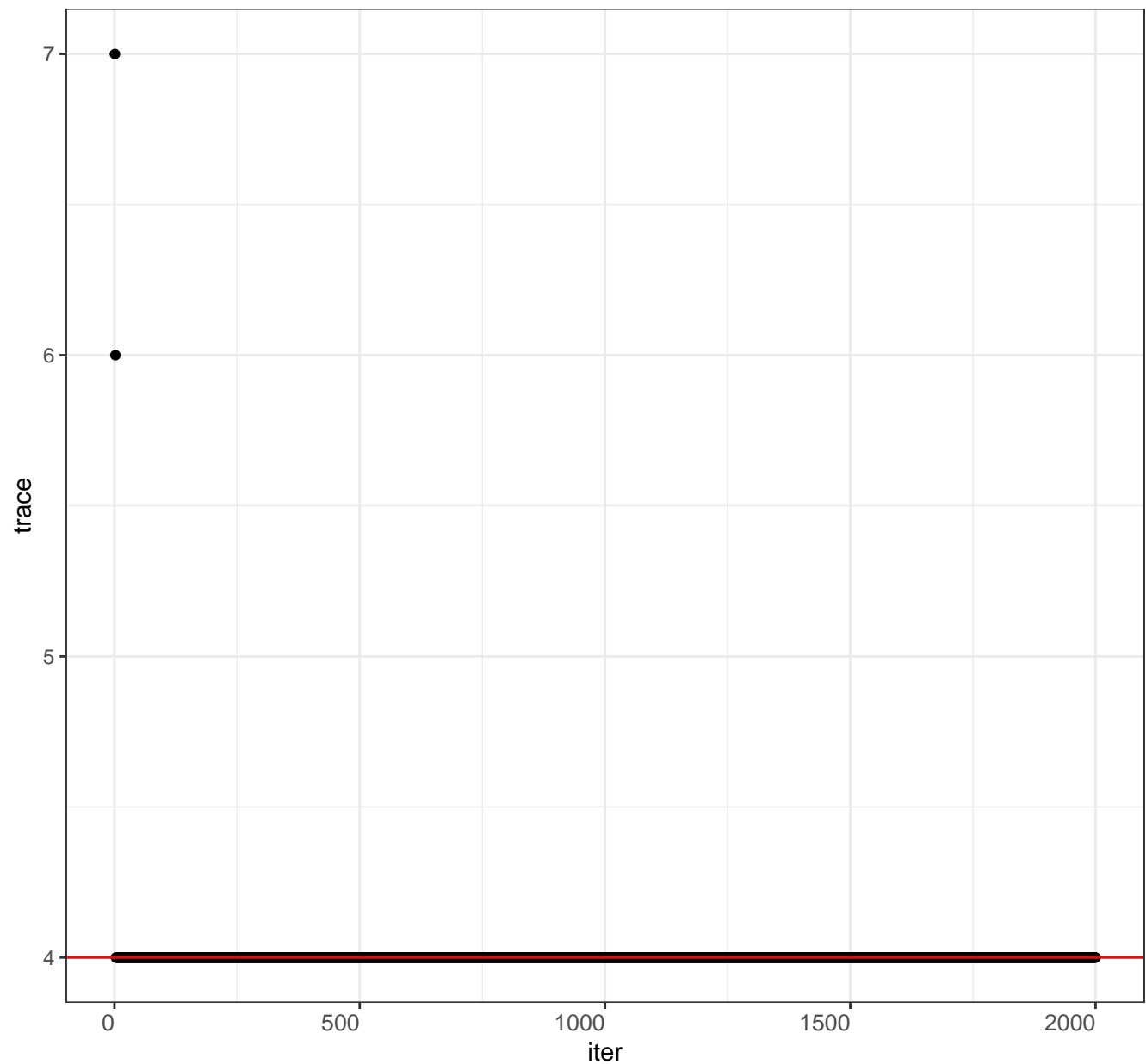
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=10 true K=4 type=2

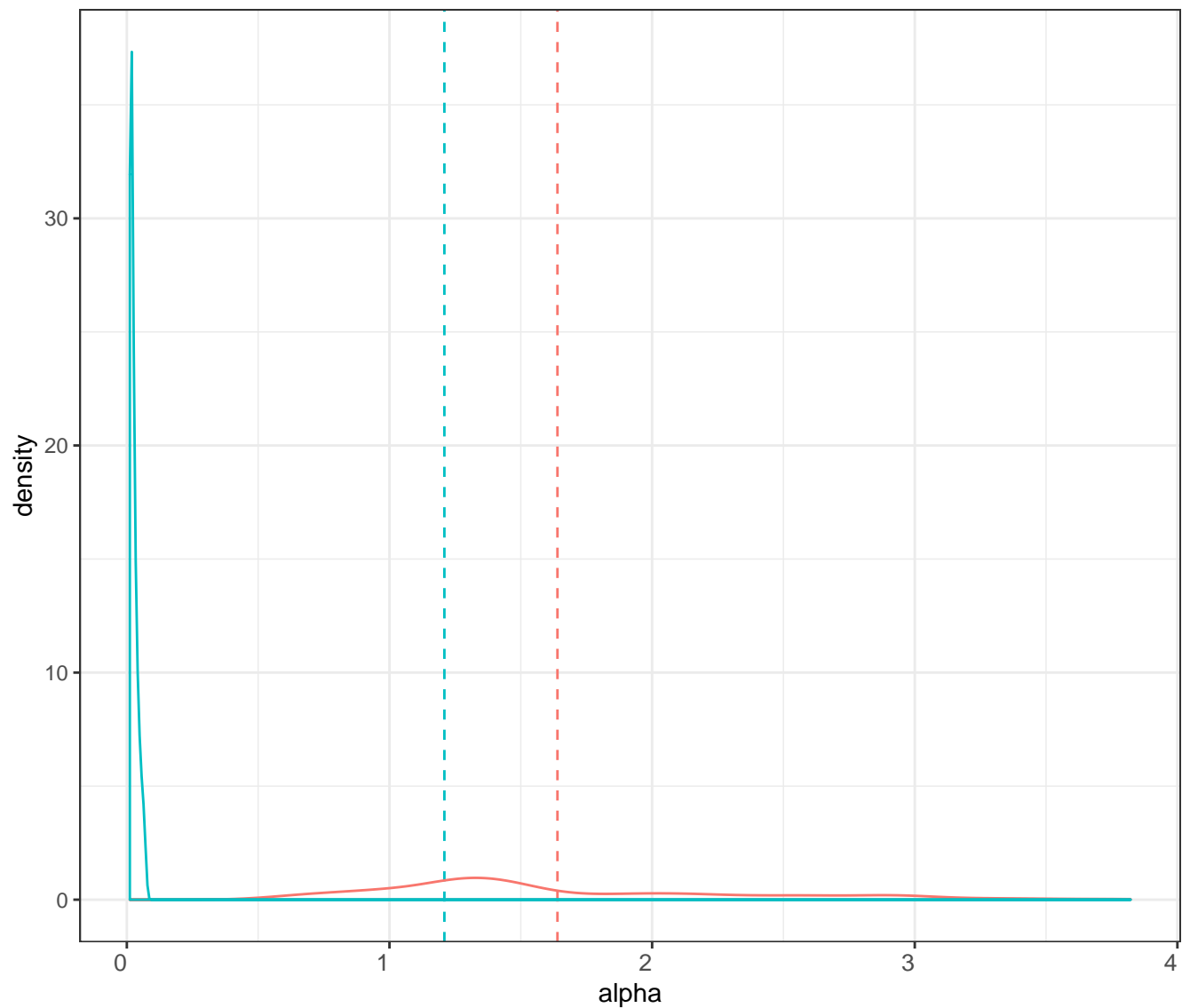
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

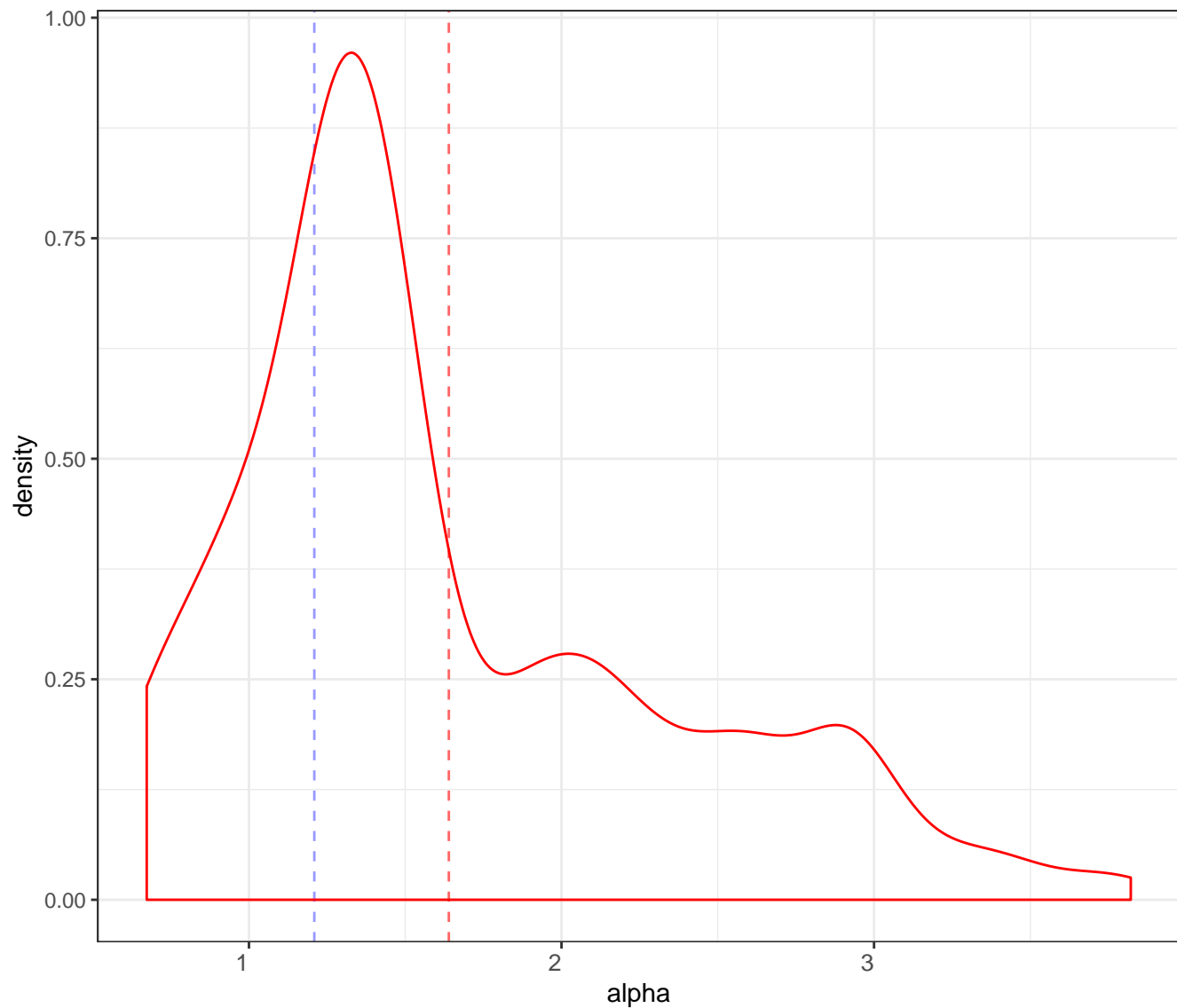
type --- posterior --- prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

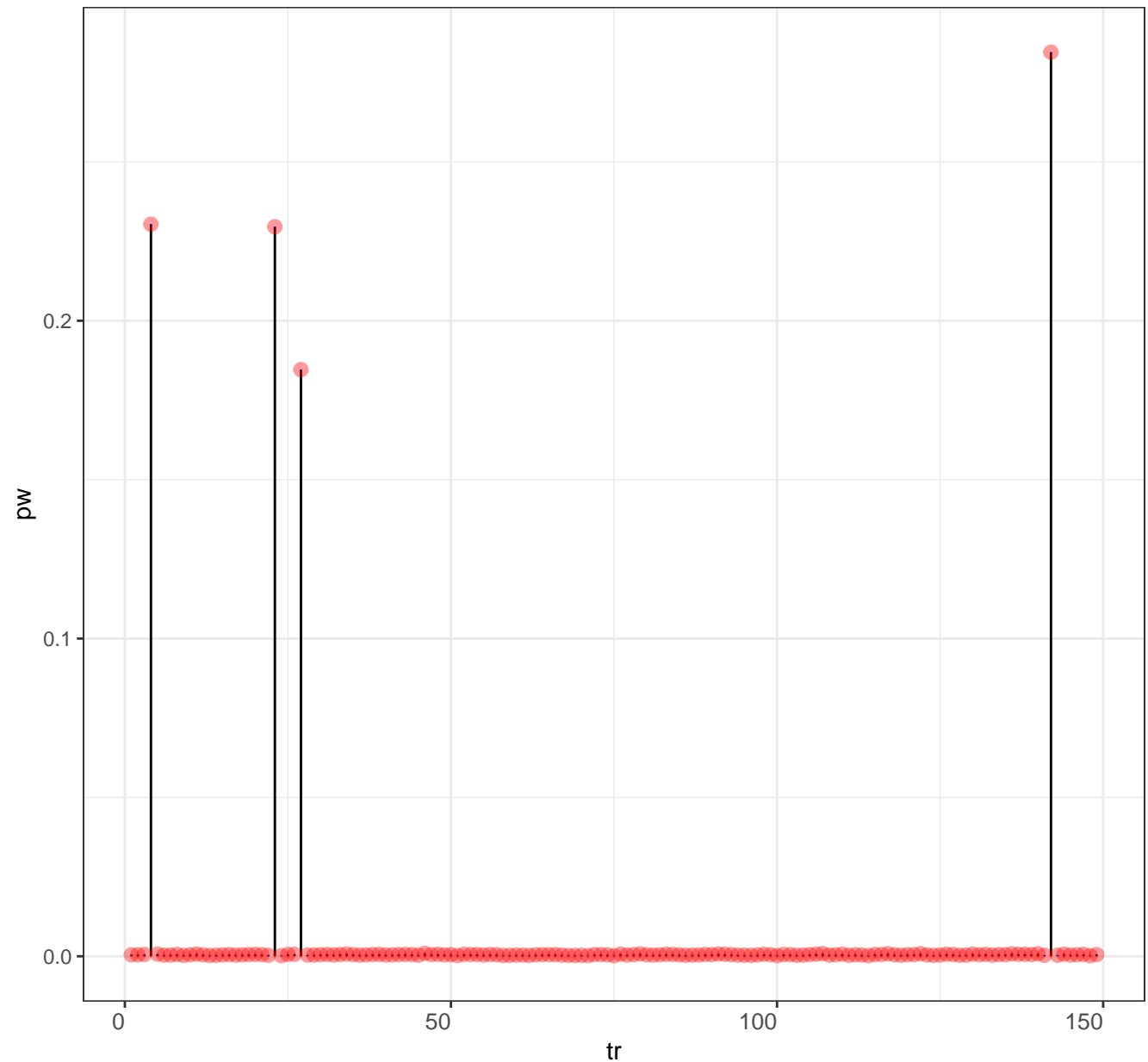
Posterior distribution for alpha

Legend posterior mean prior mean



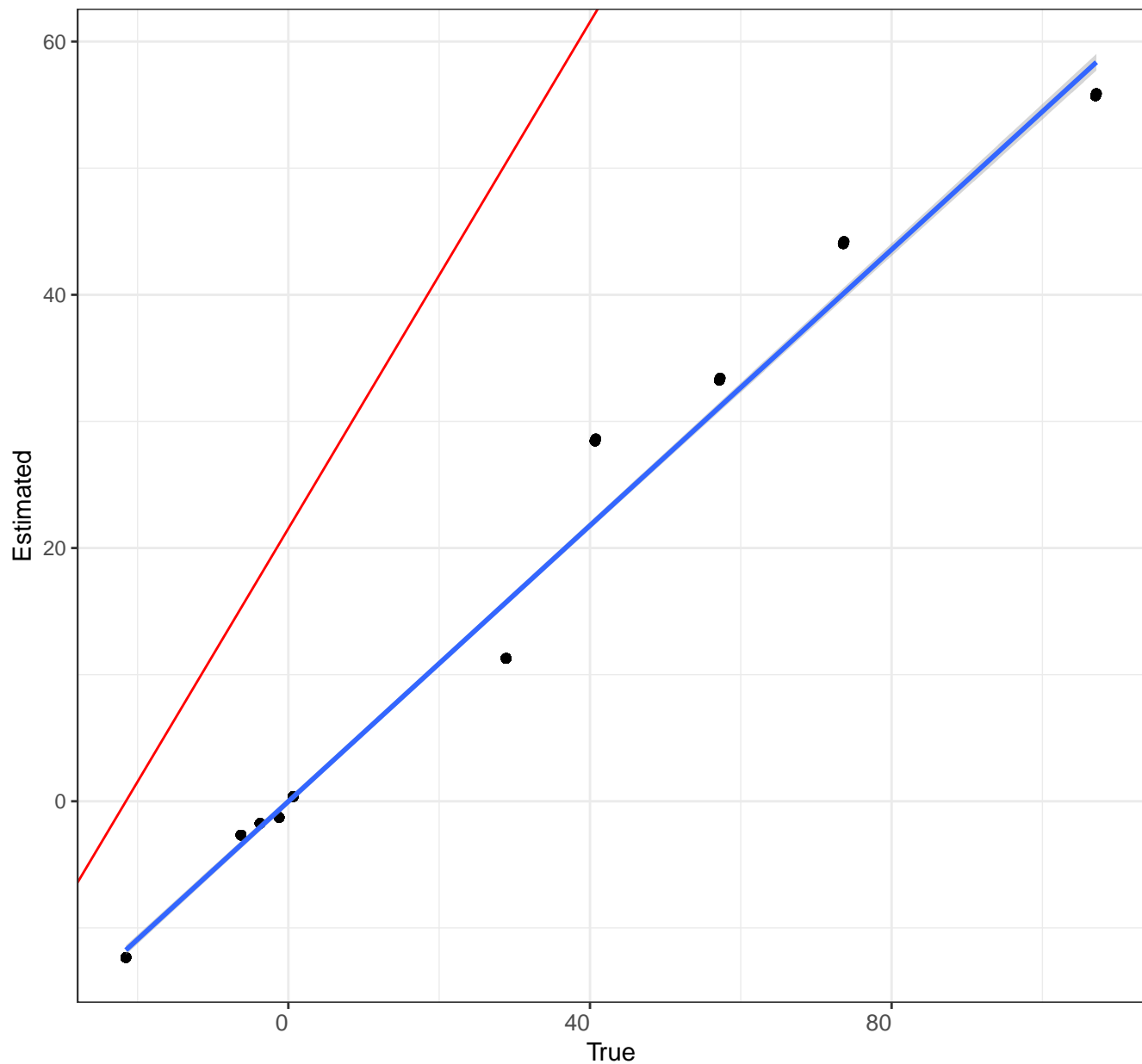
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



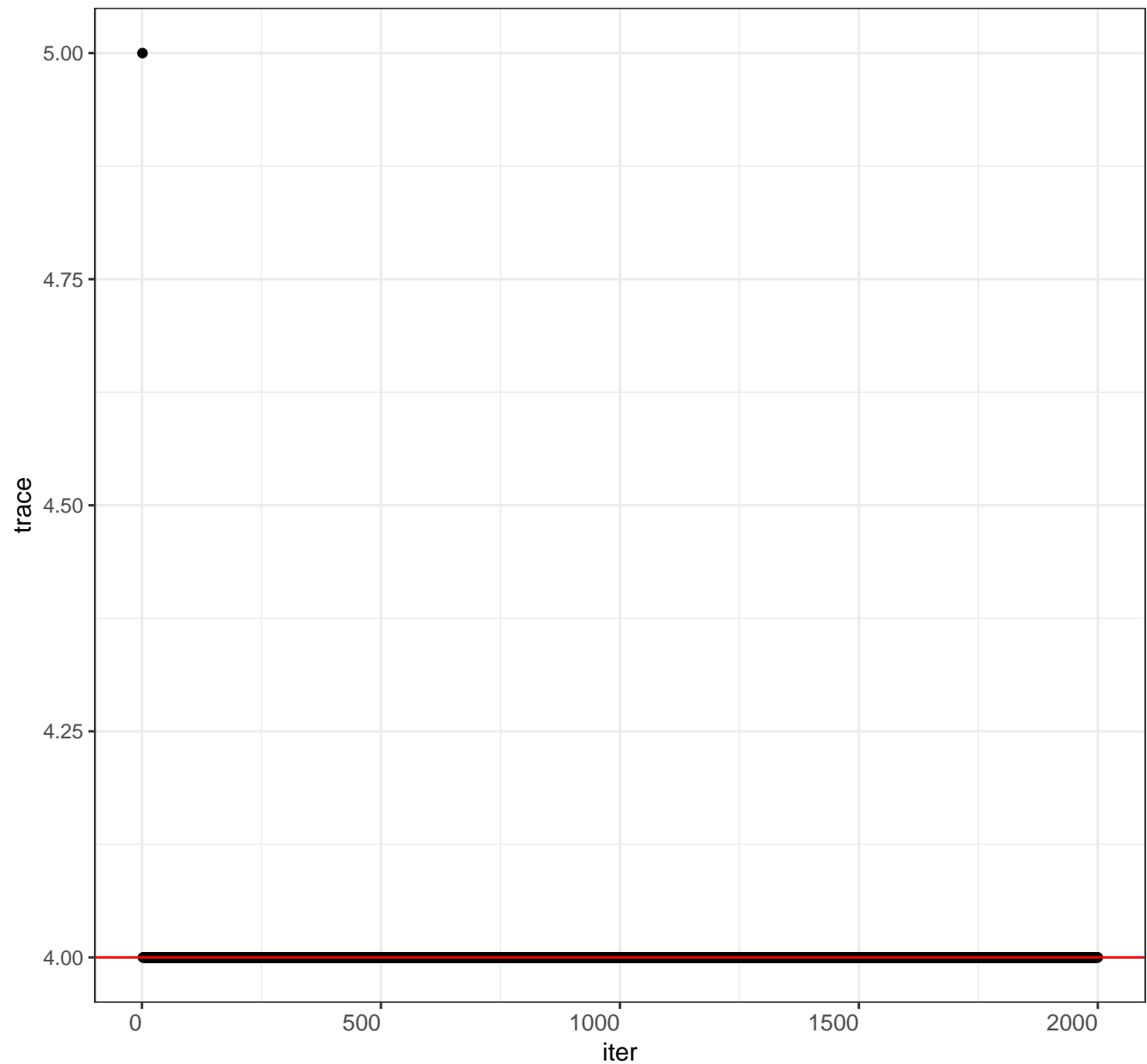
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=10 true K=4 type=2

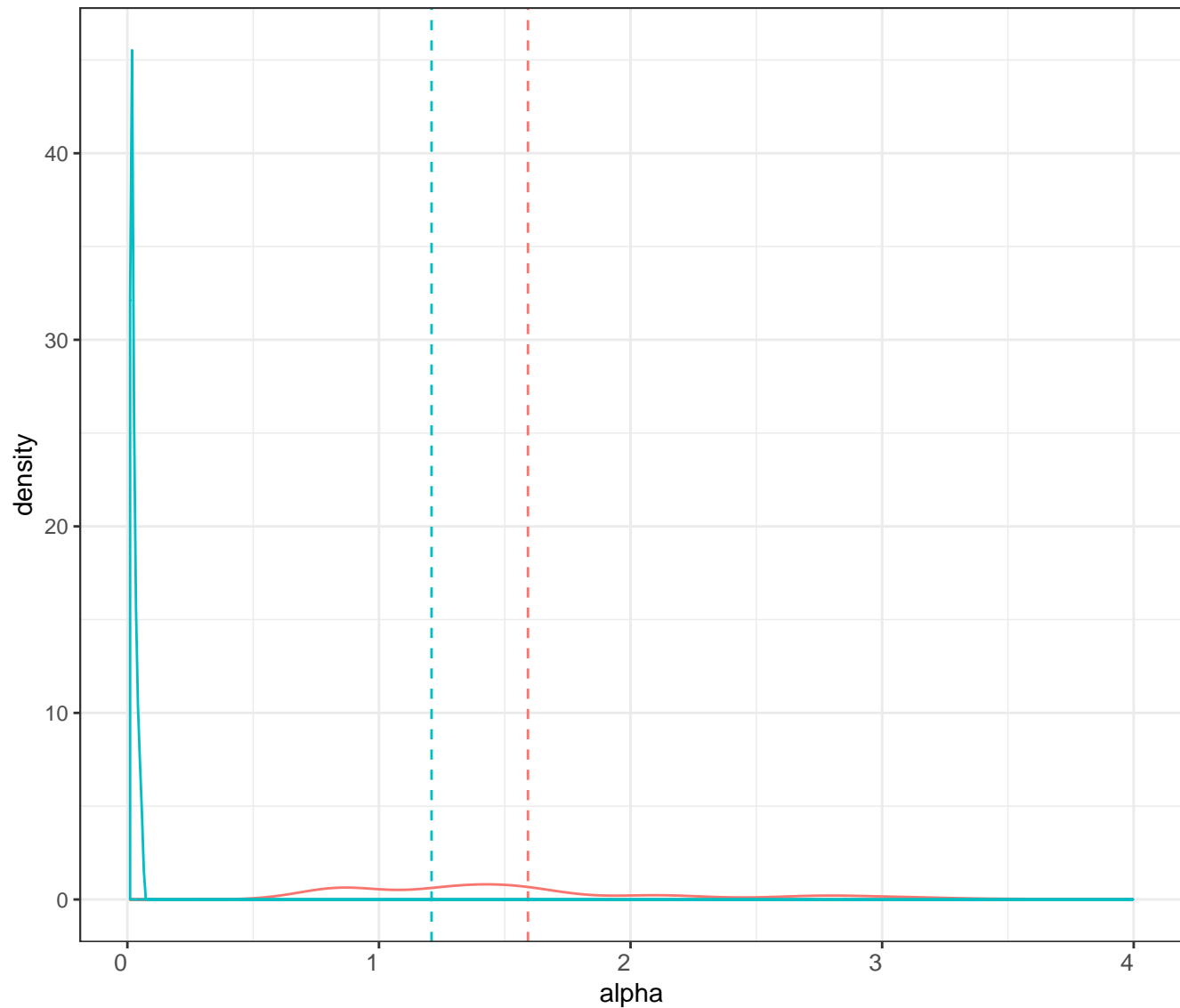
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

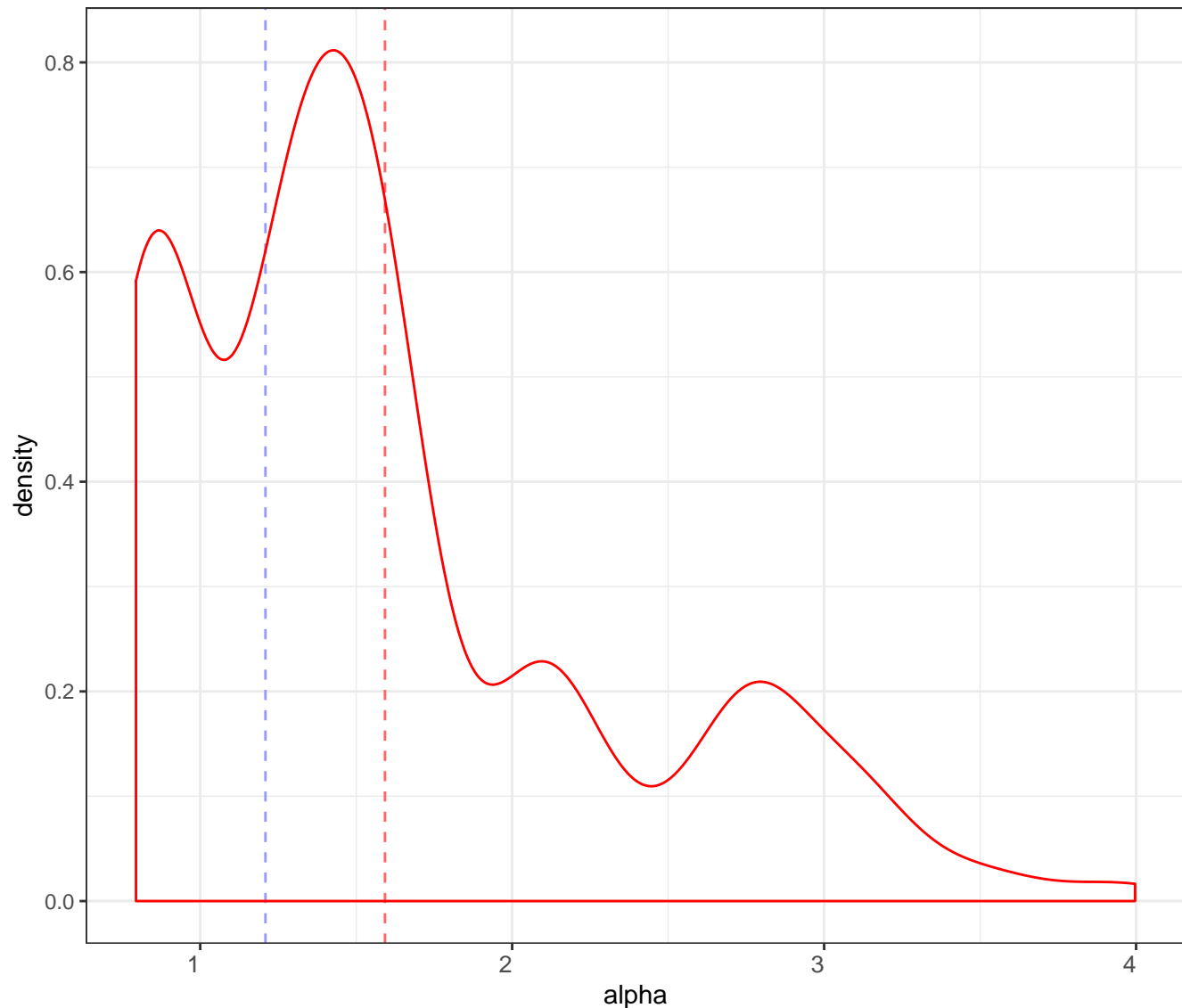
Legend



posterior mean

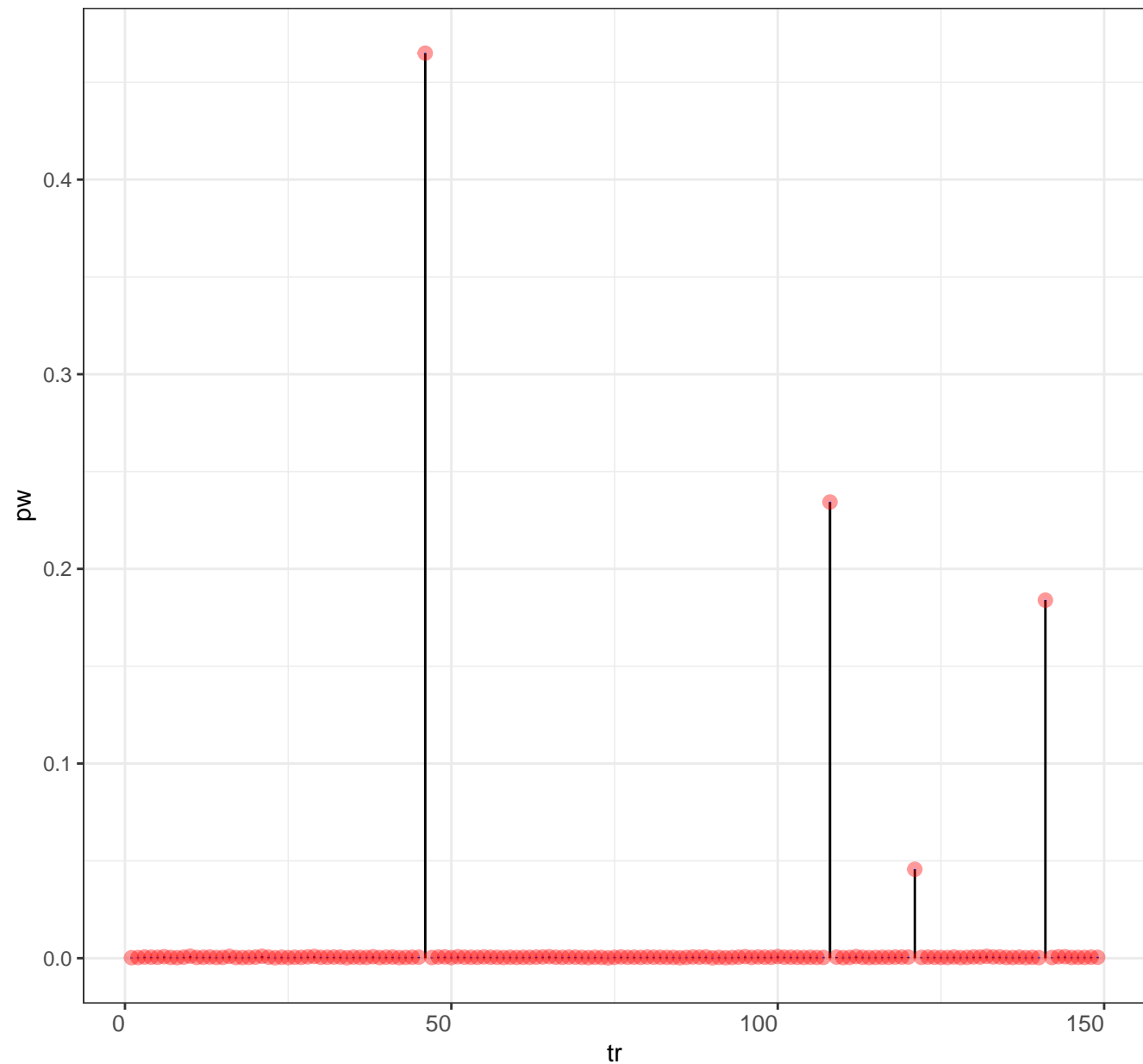


prior mean



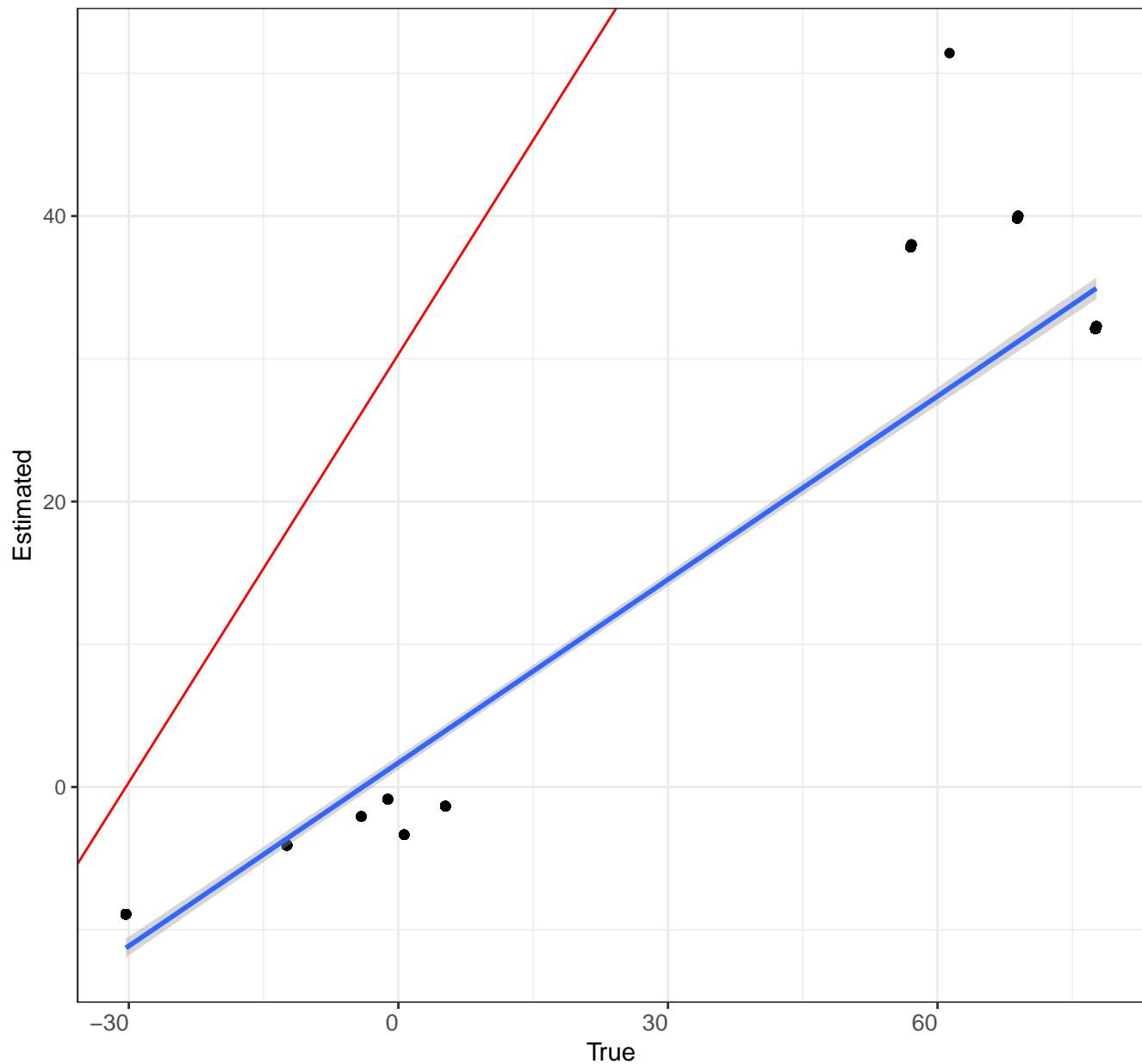
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



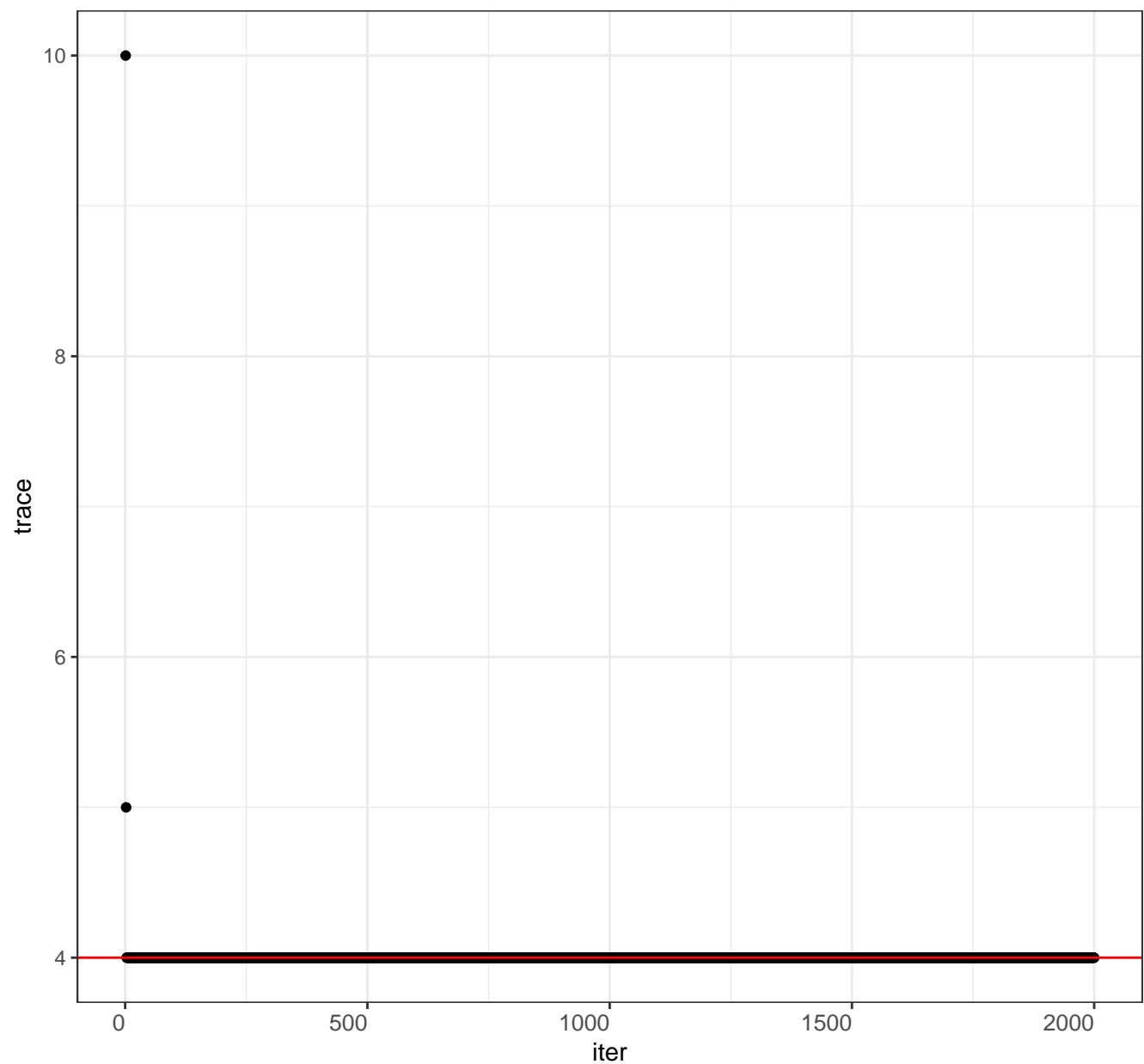
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 r=10 true K=4 type=2

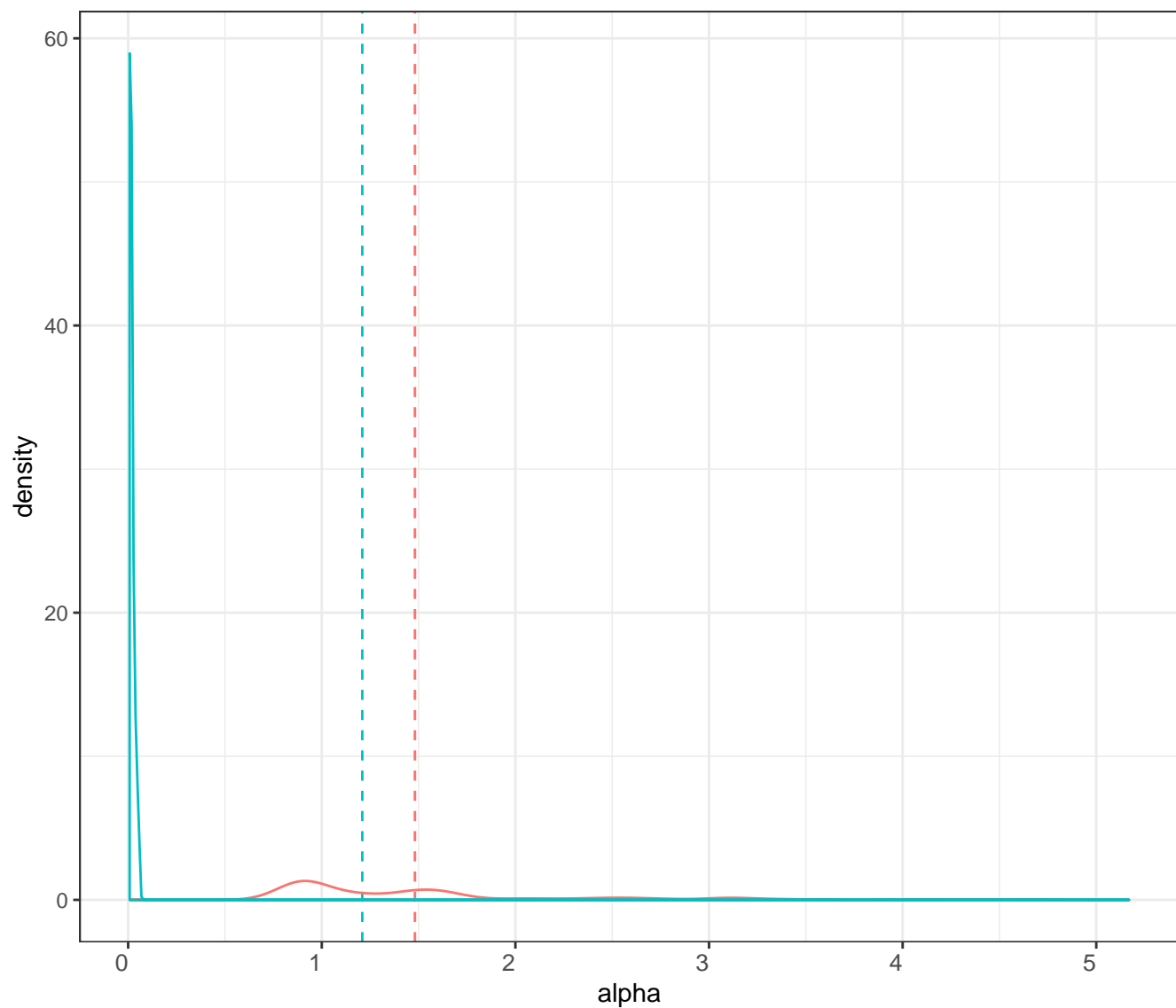
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

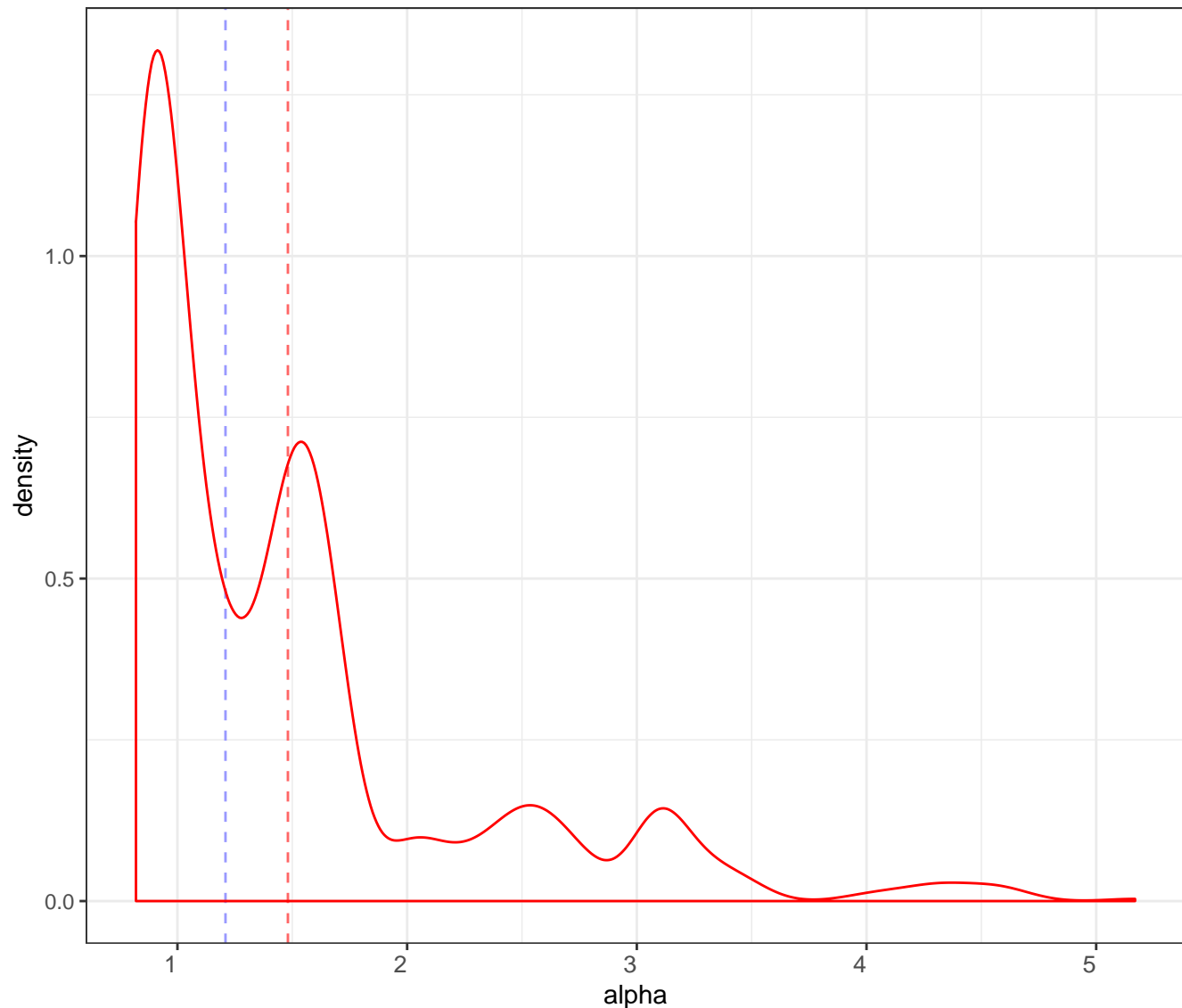
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

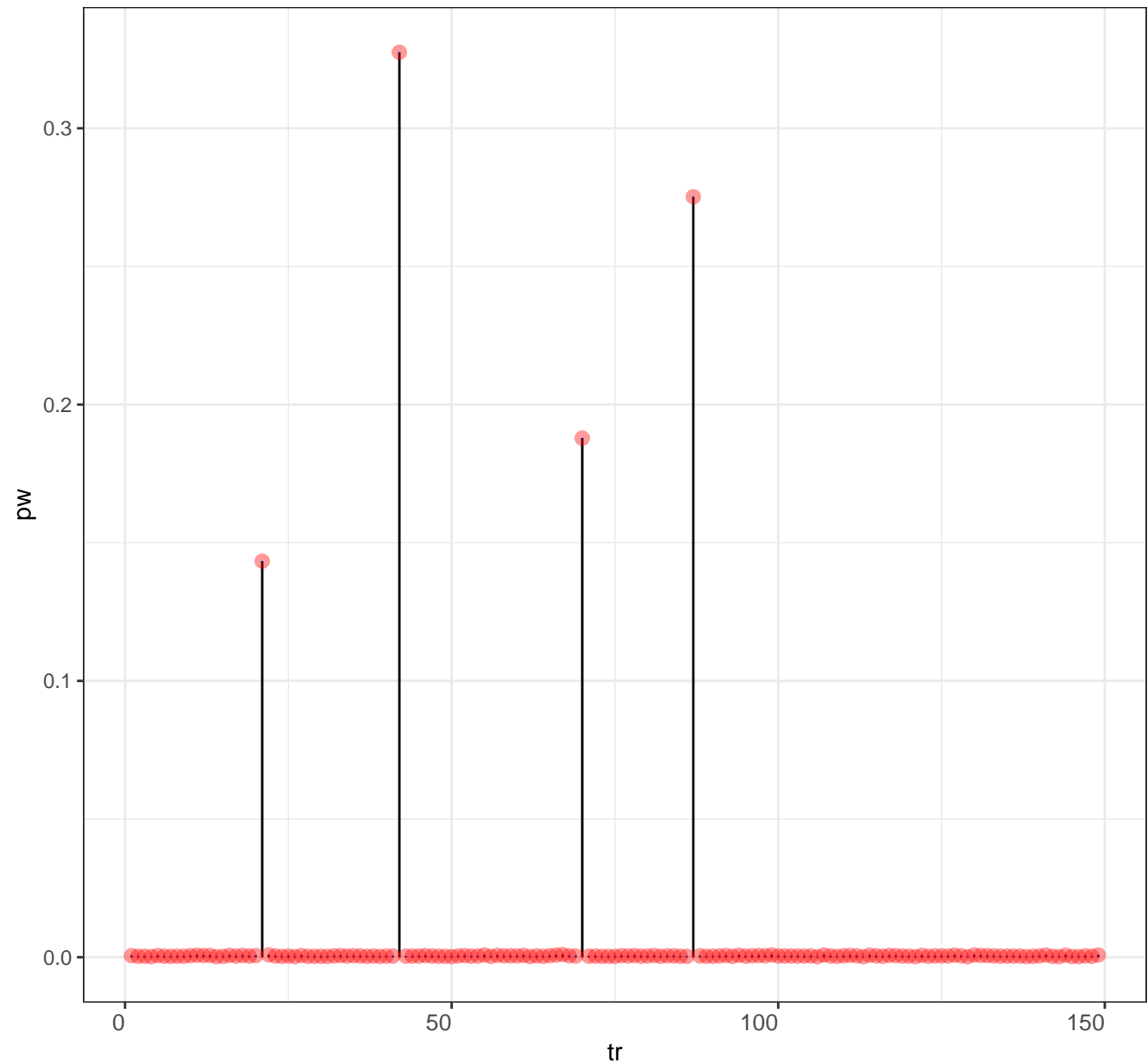
Posterior distribution for alpha

Legend posterior mean prior mean



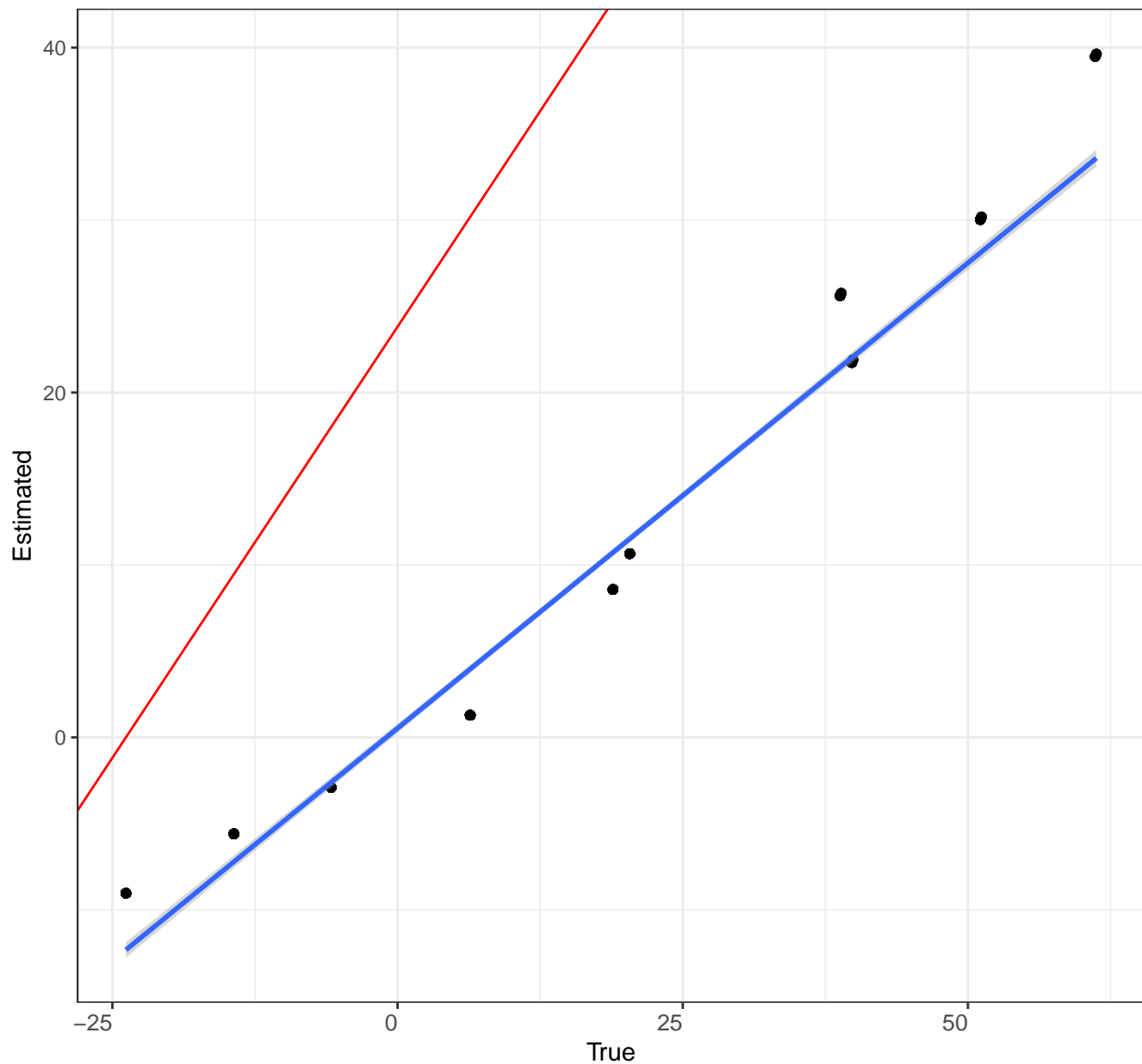
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



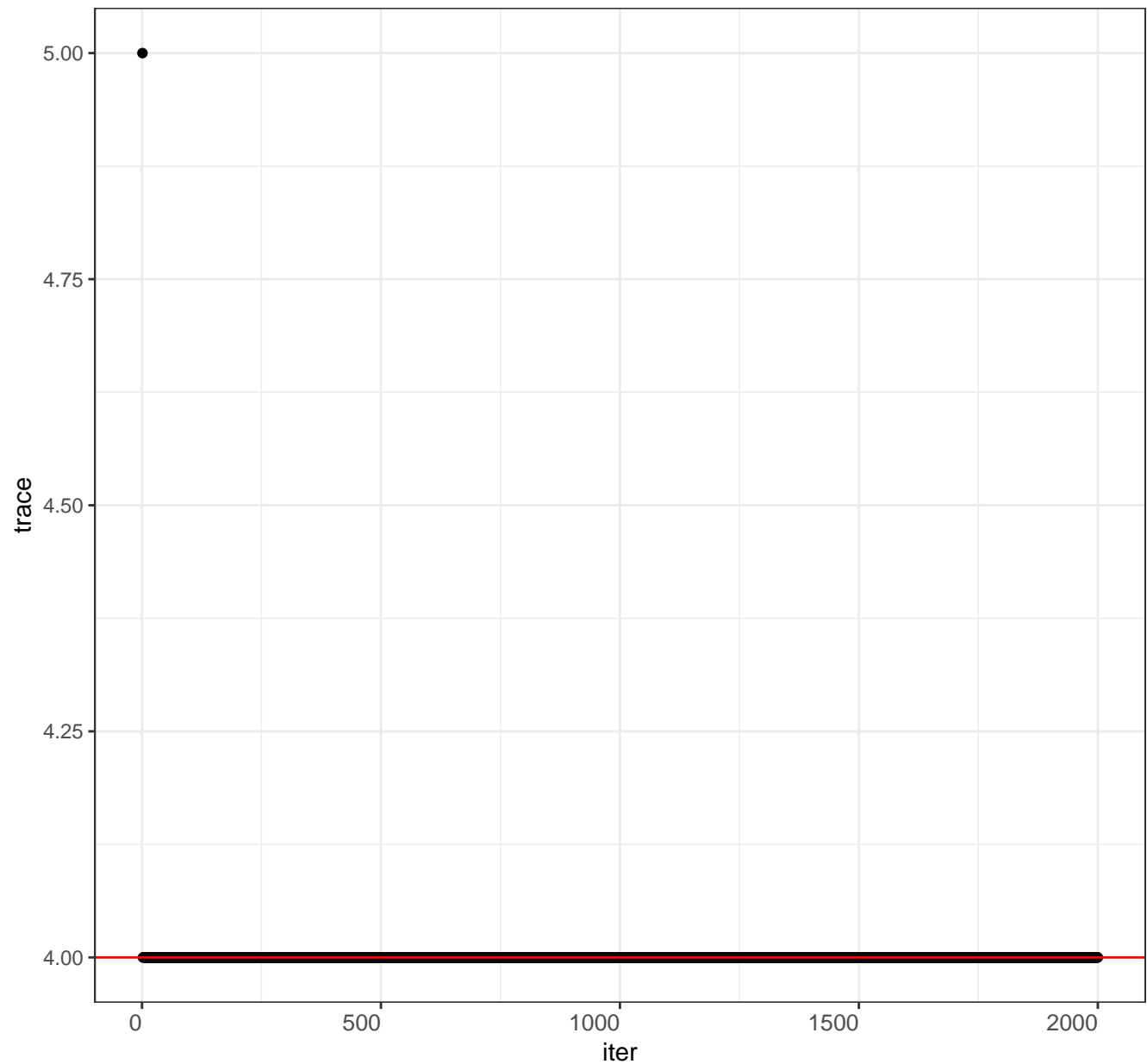
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=10 true K=4 type=2

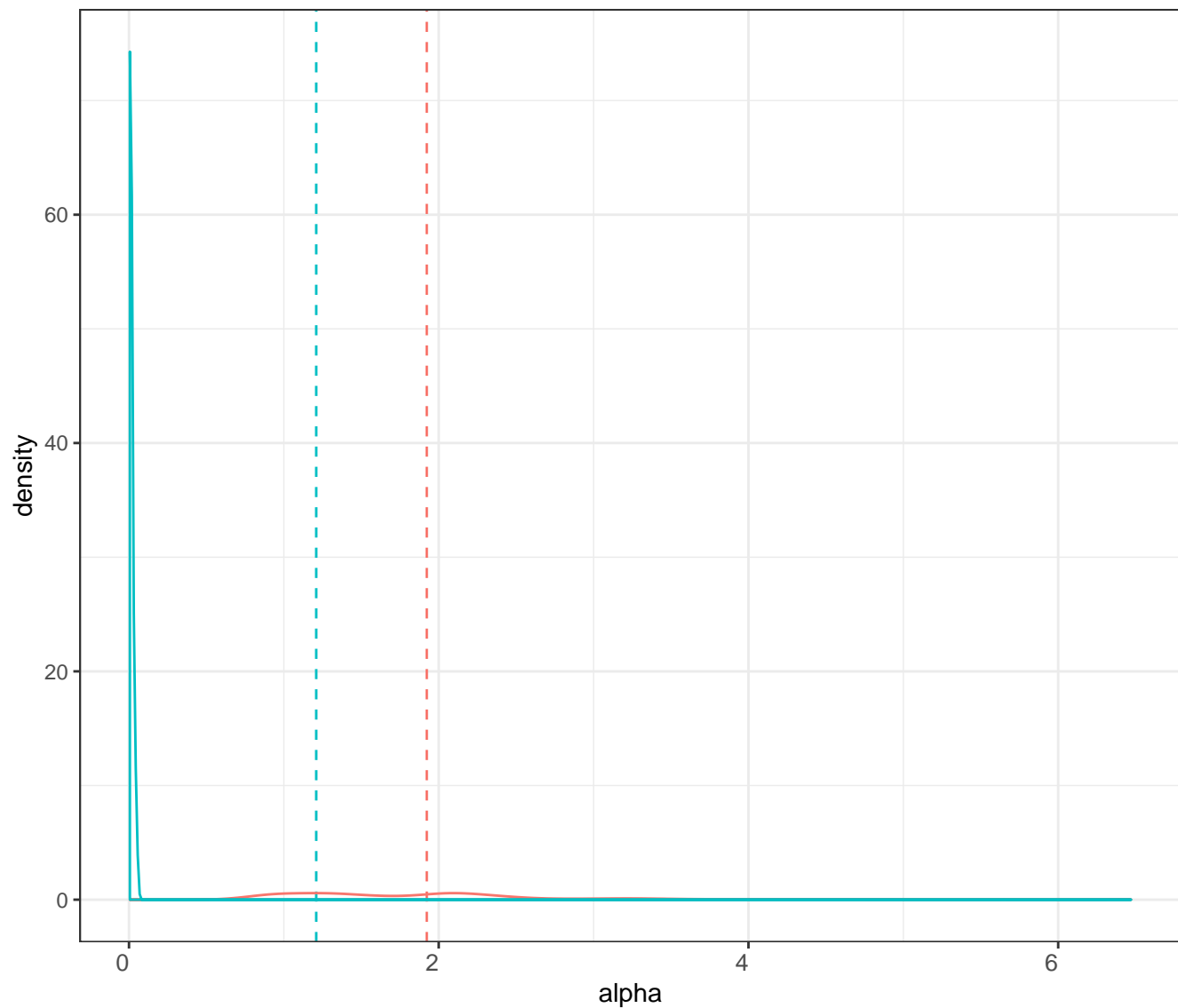
Trace plot for the number of groups K for S=20 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=10 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

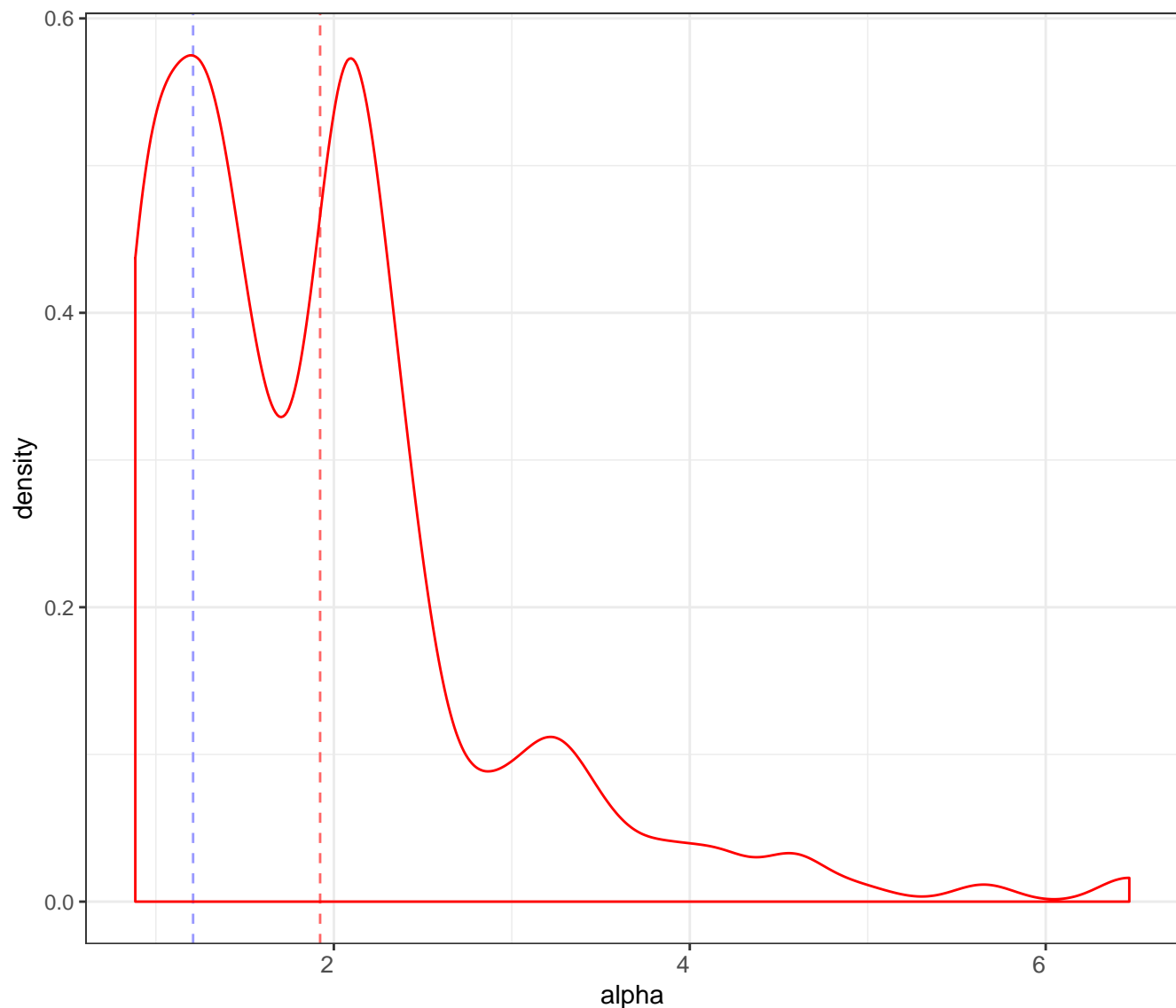
Legend



posterior mean

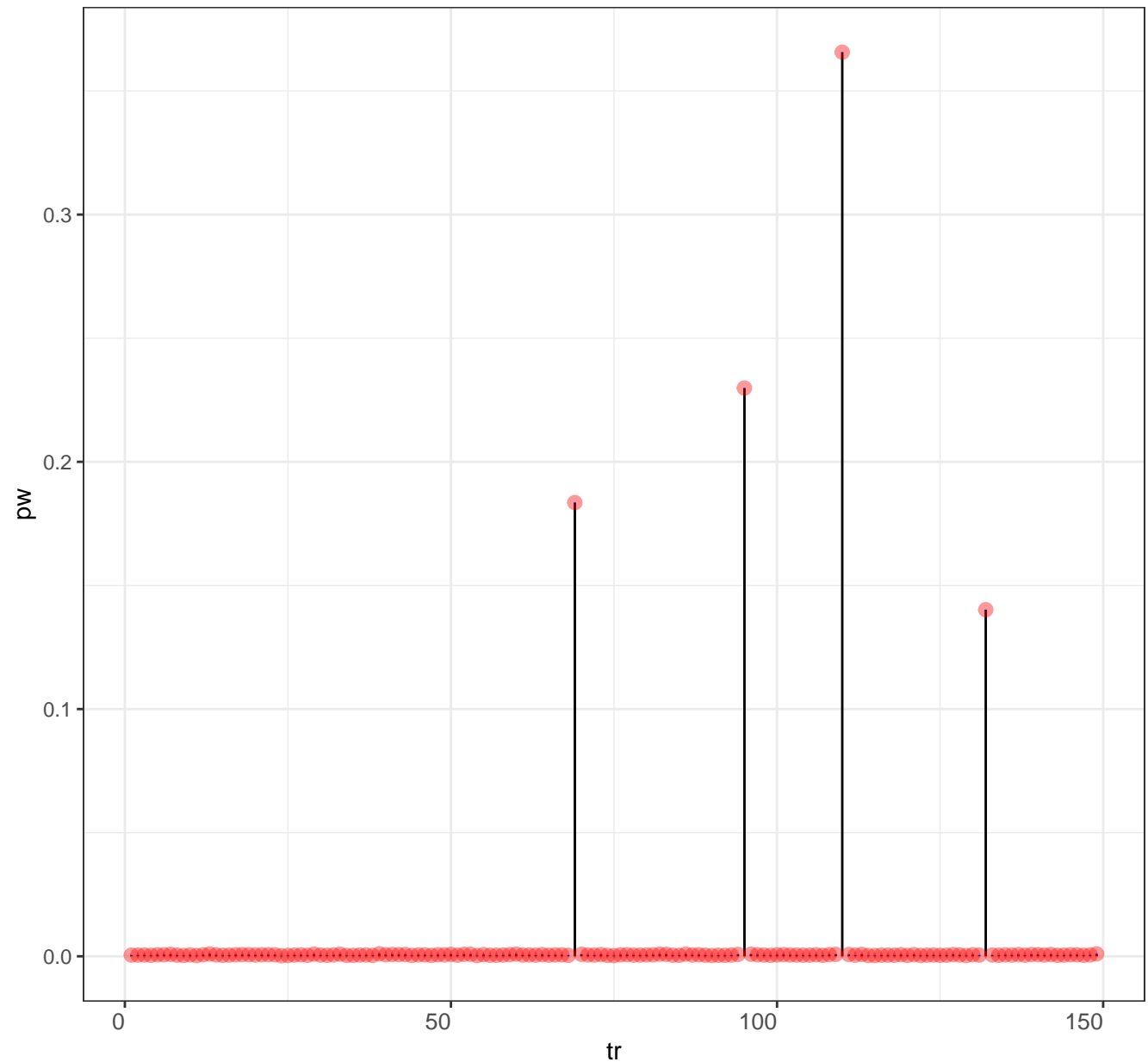


prior mean



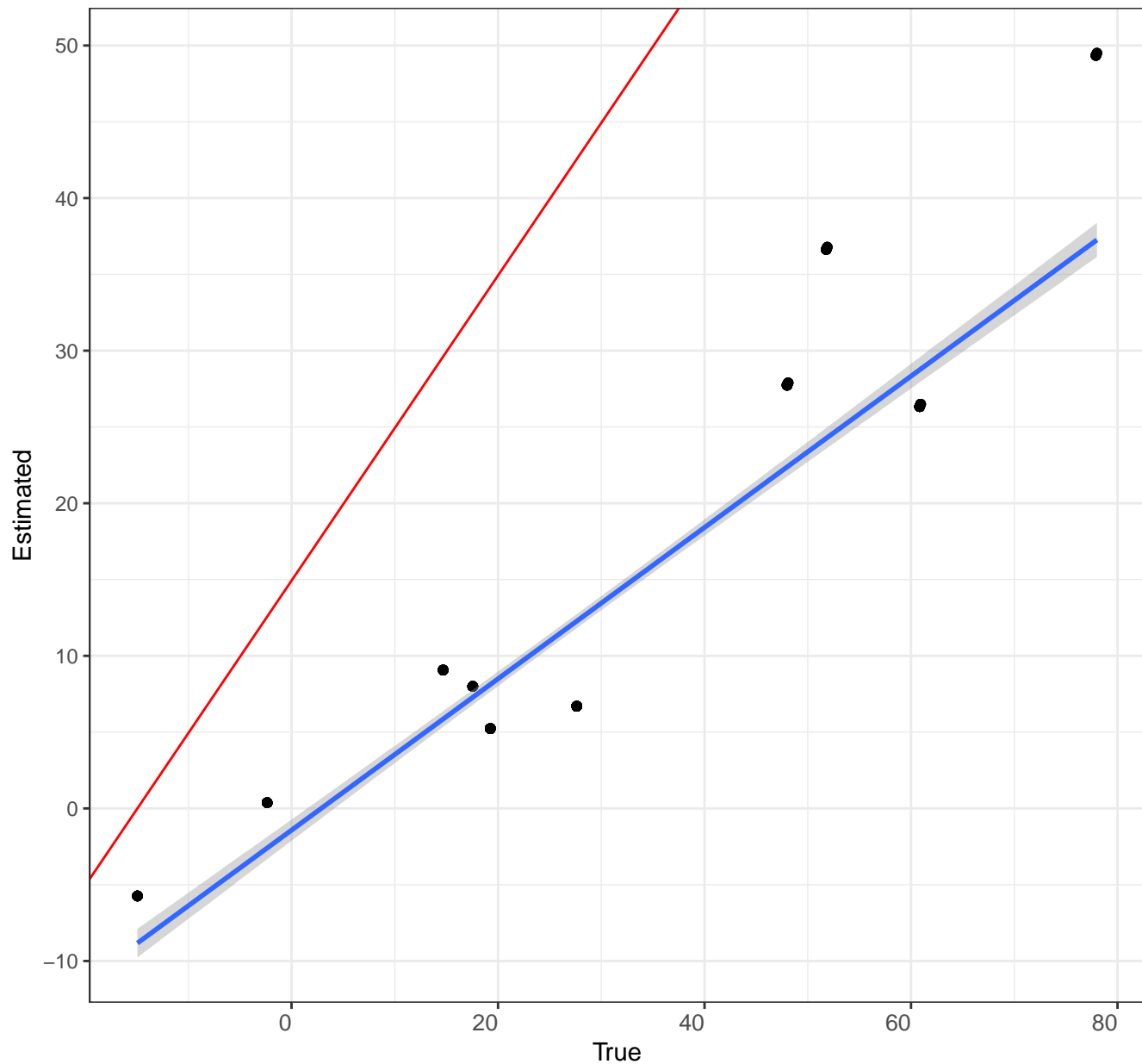
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



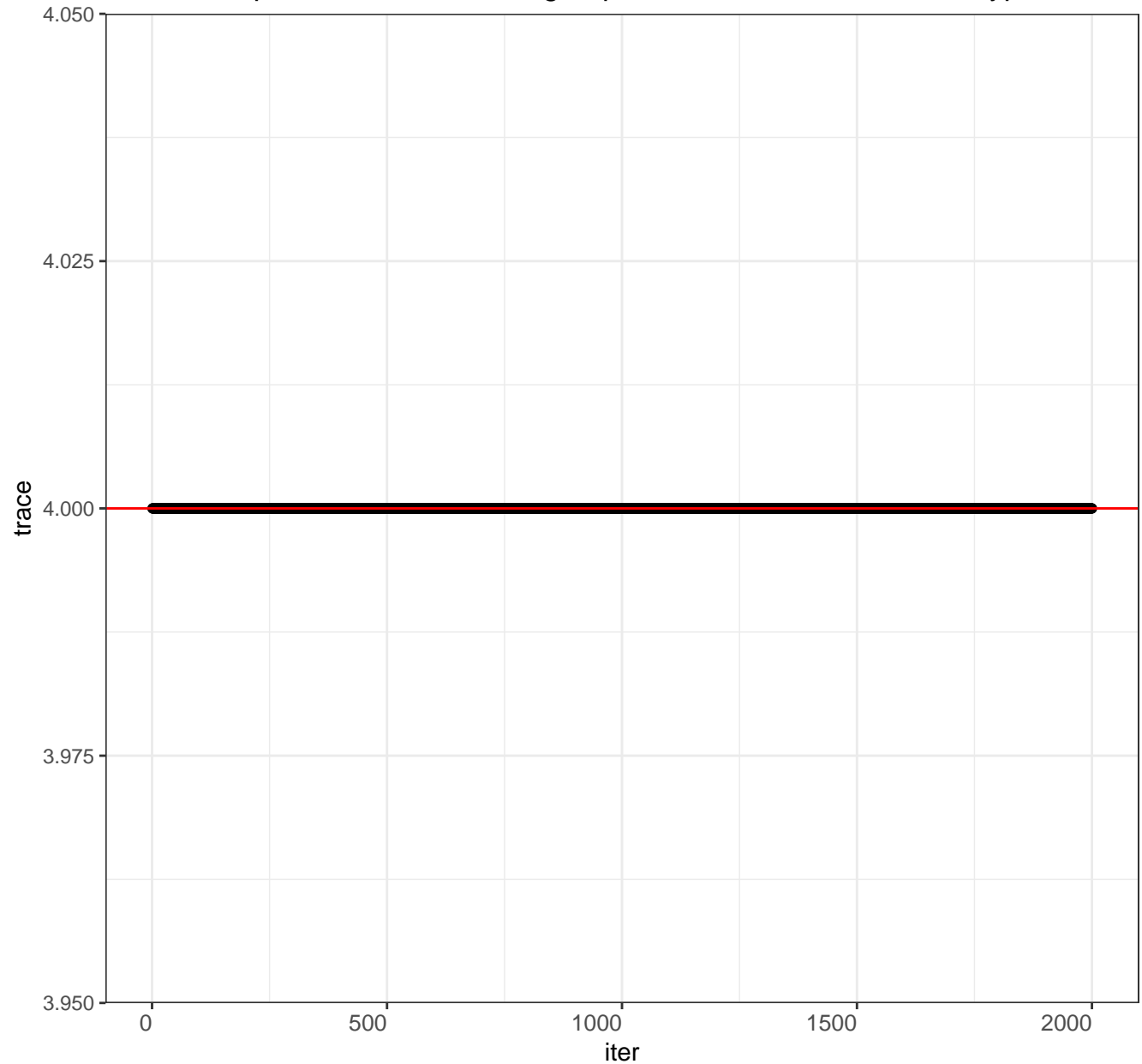
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=10 true K=4 type=2

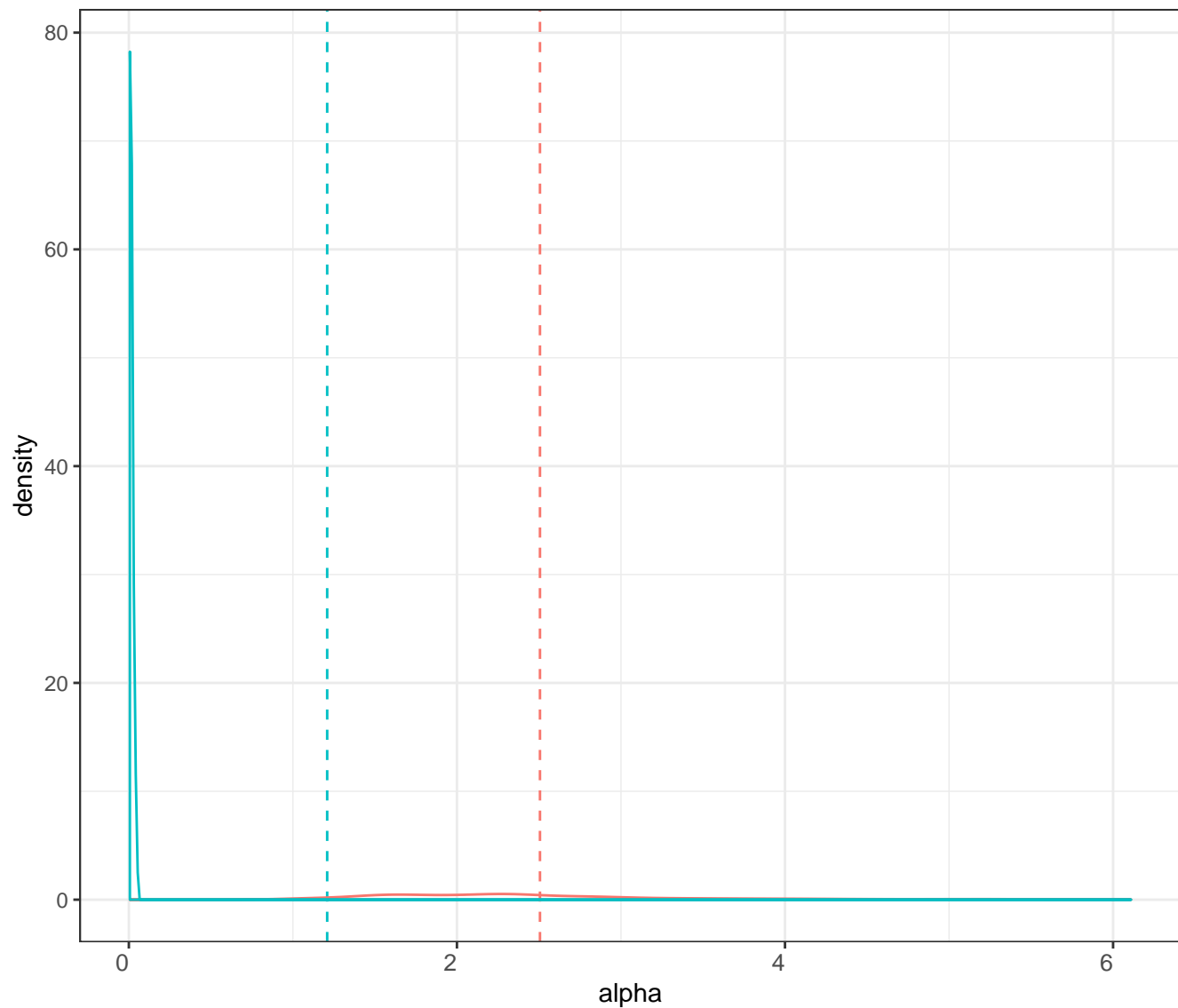
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

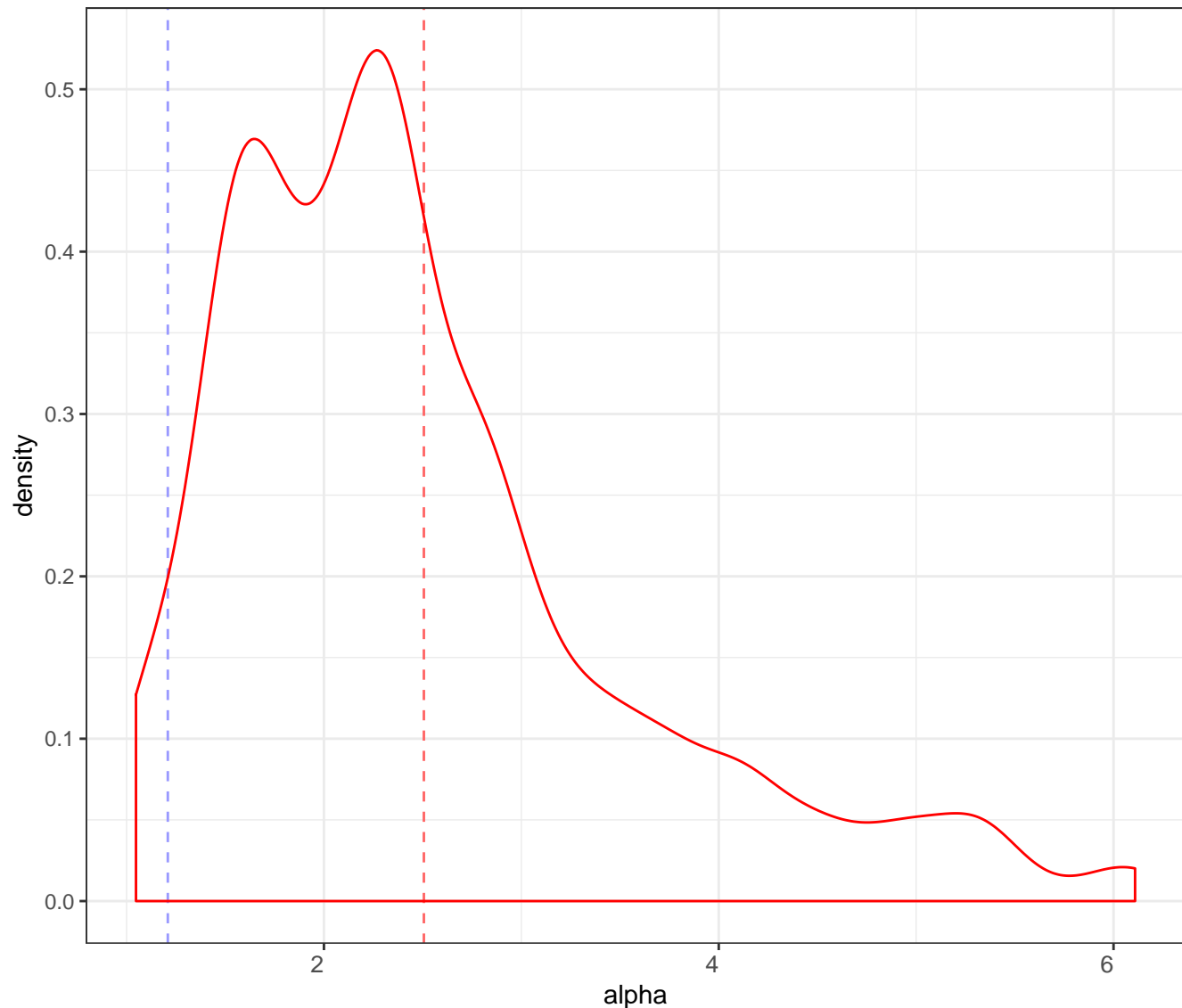
Legend



posterior mean

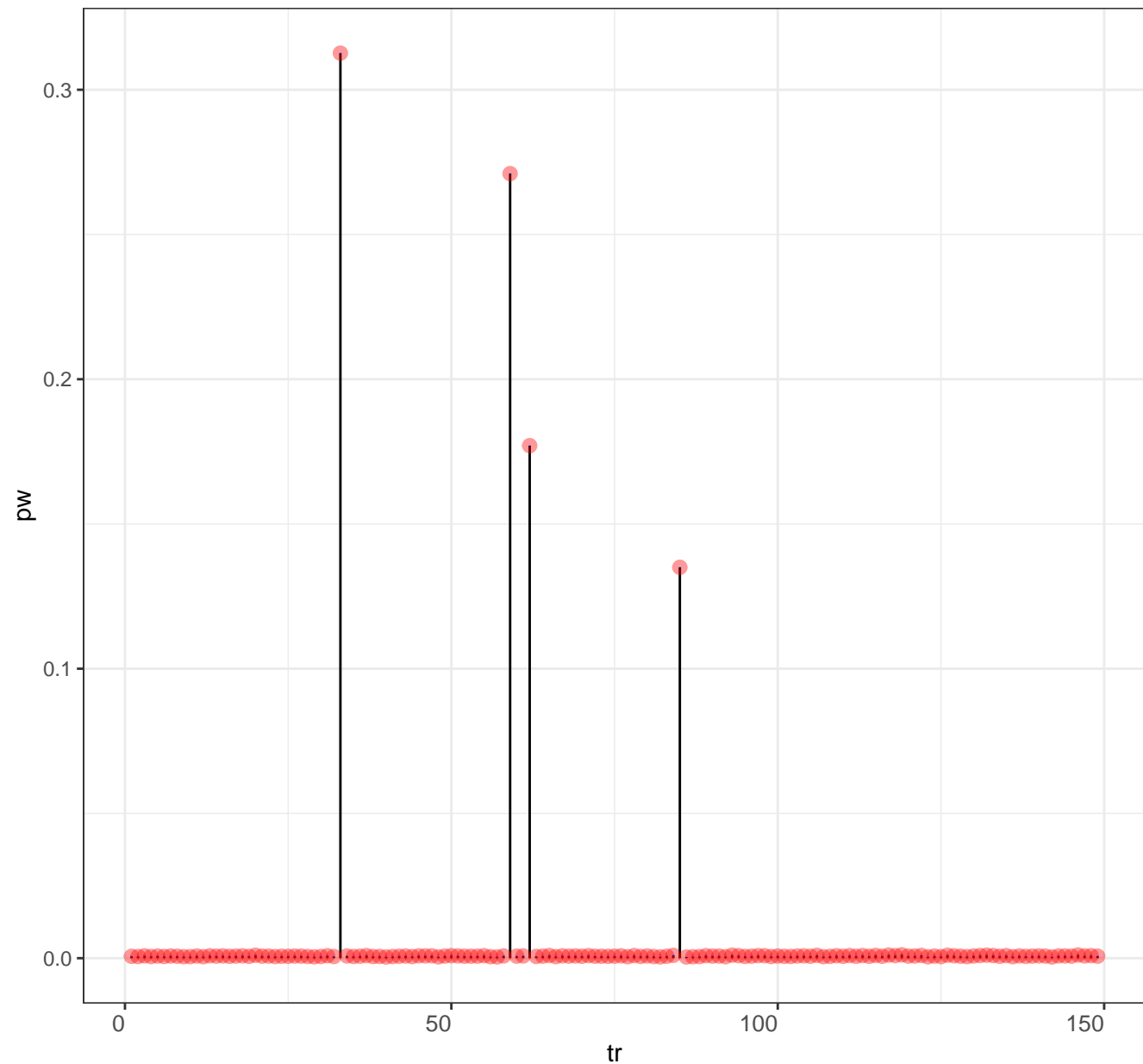


prior mean



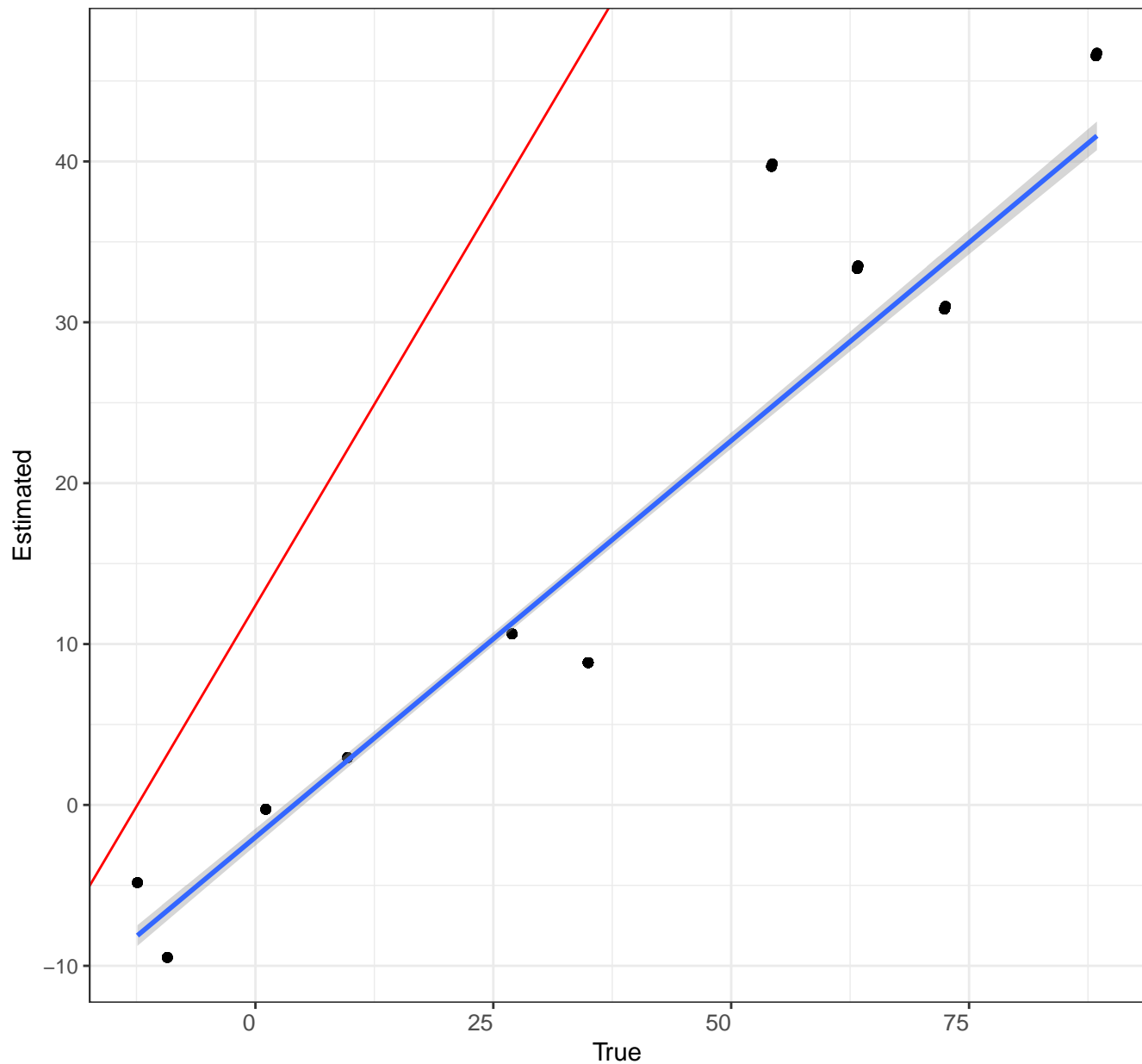
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



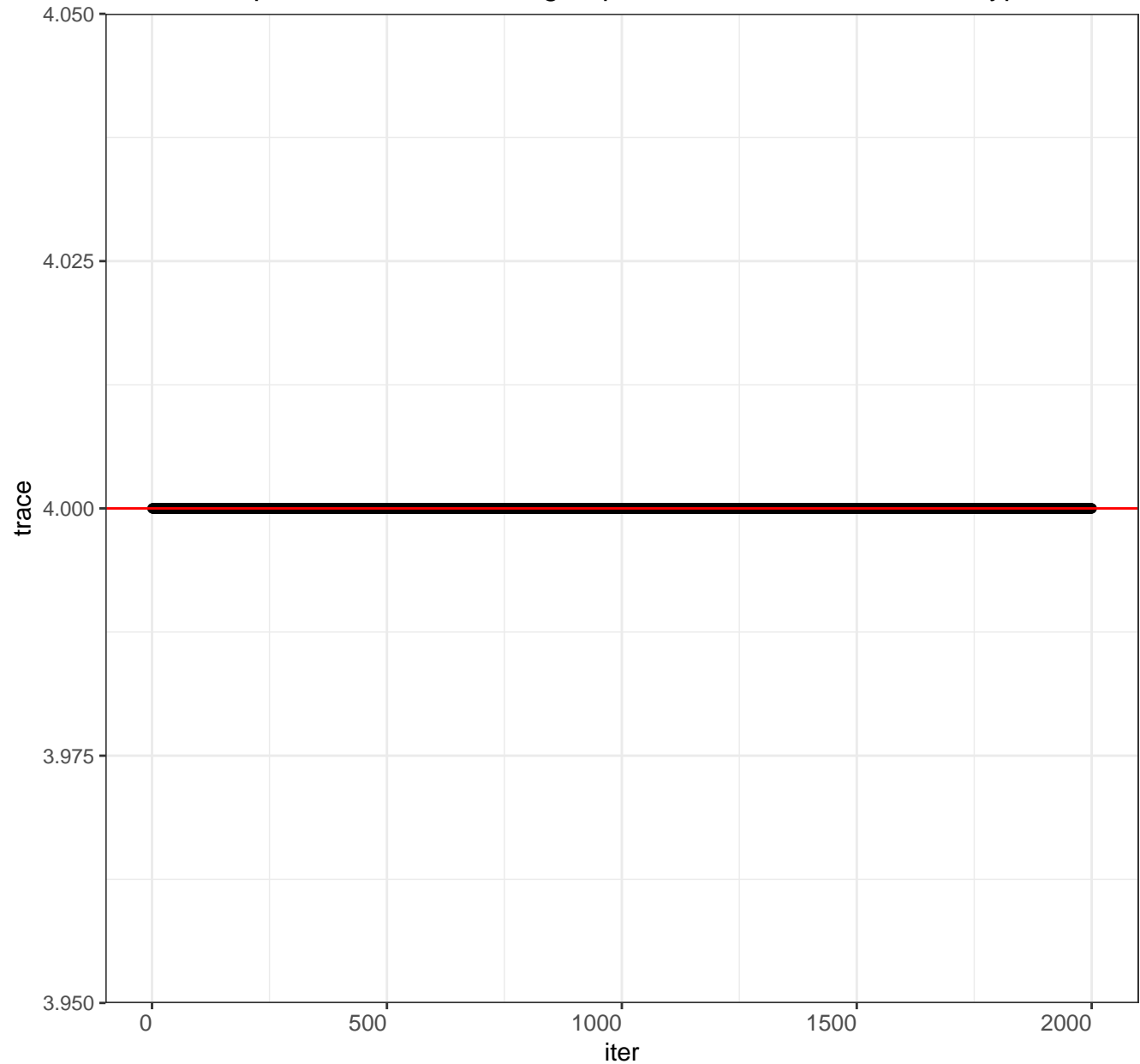
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

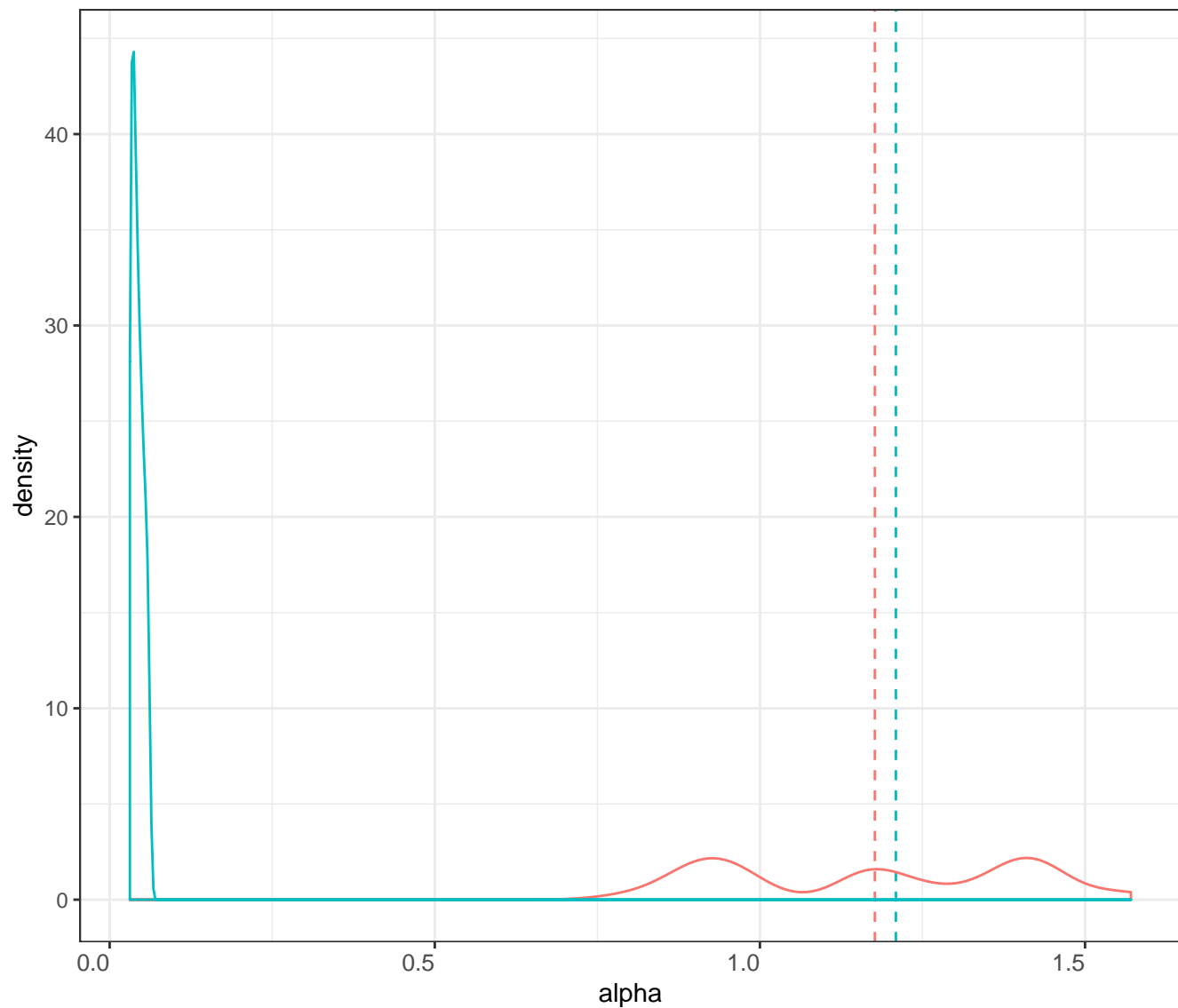
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



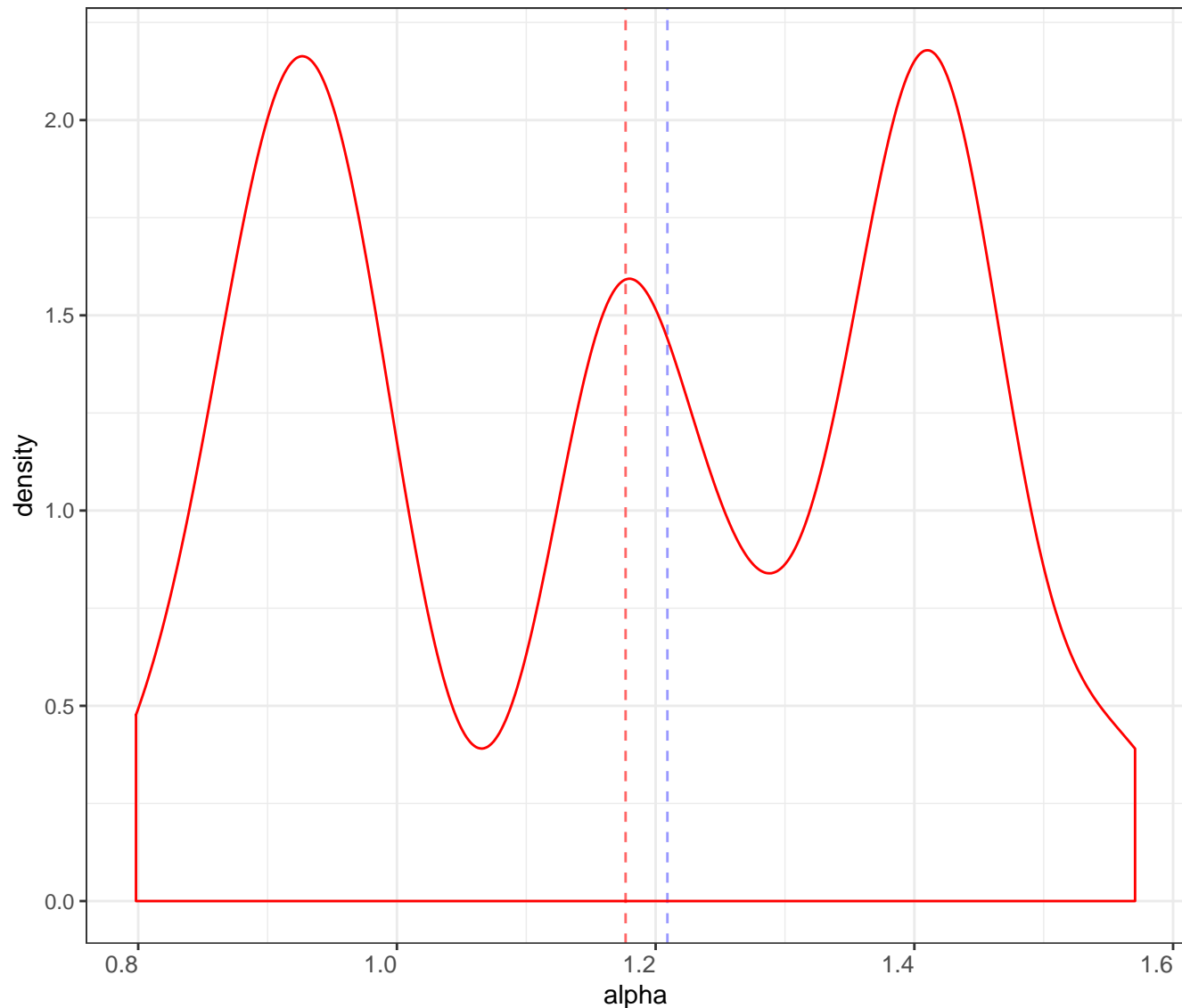
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

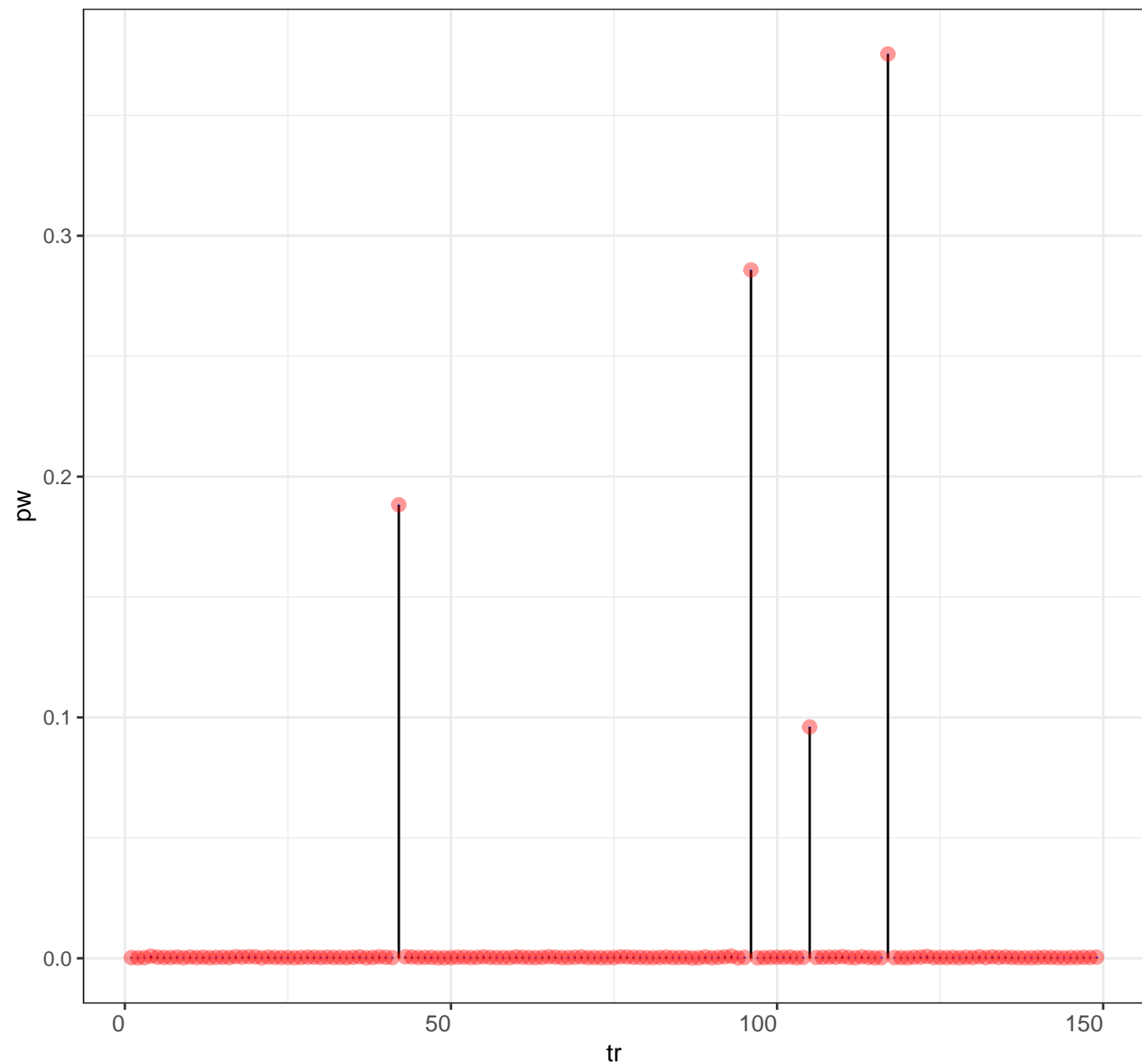
posterior mean

prior mean



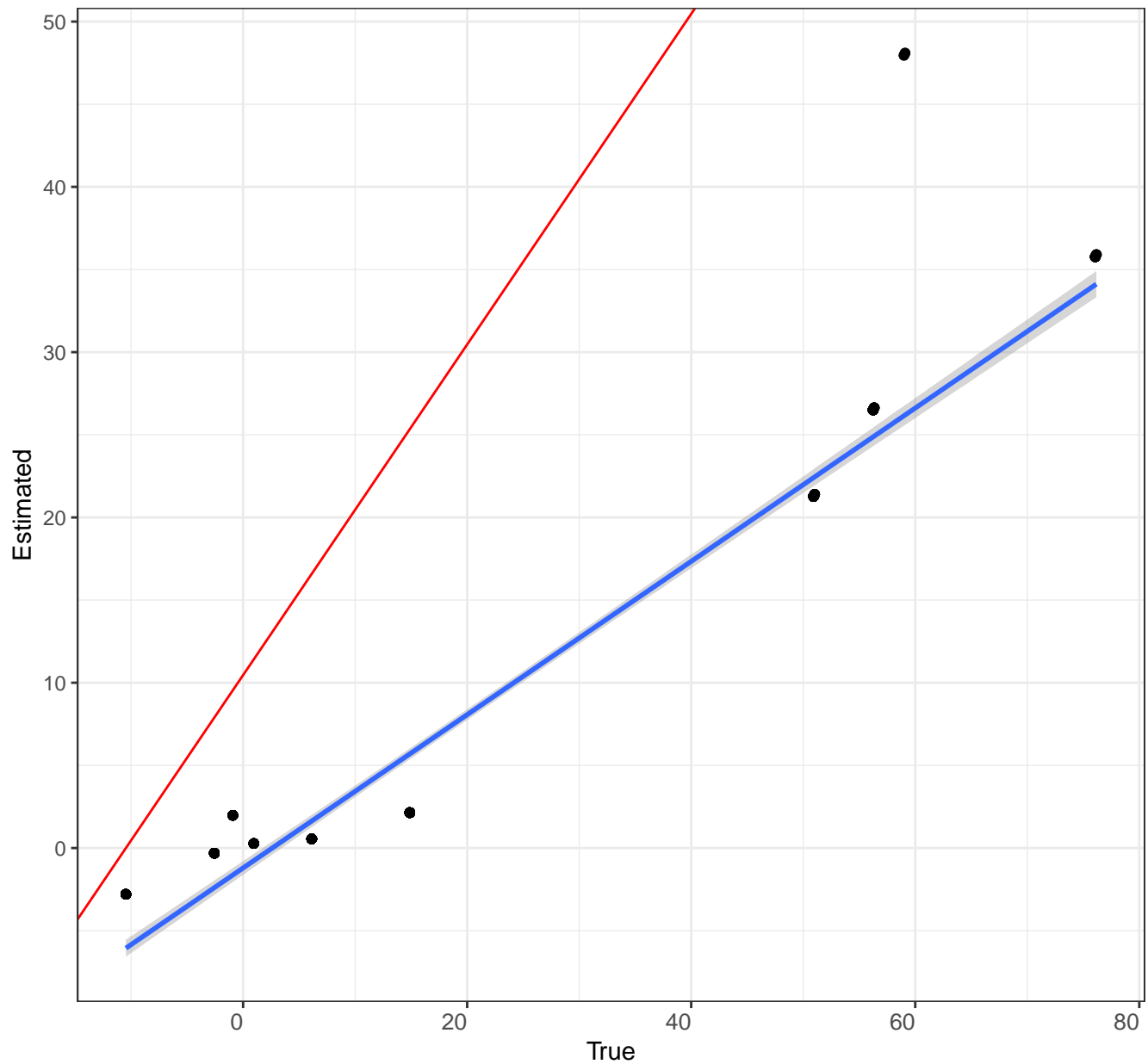
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



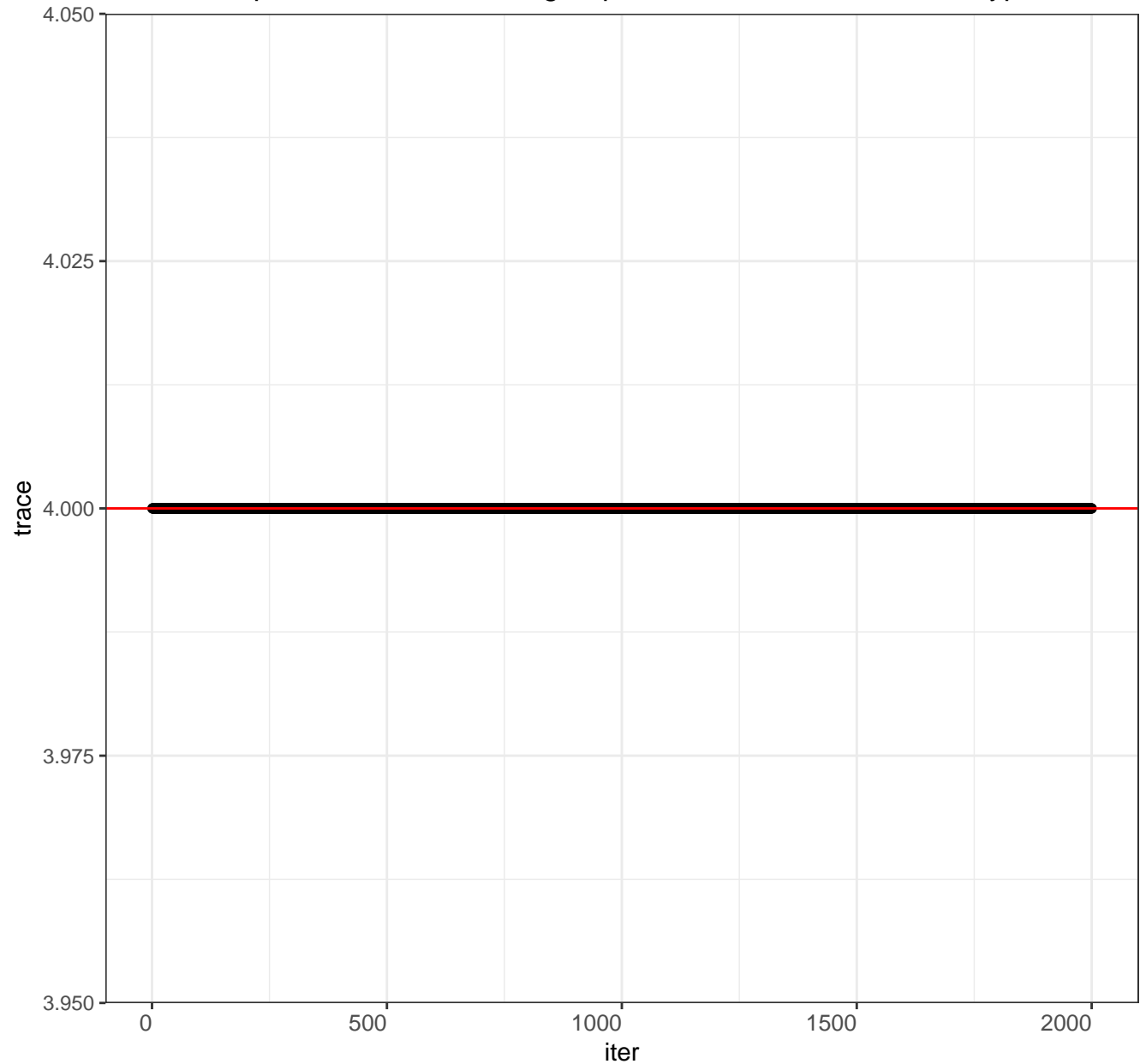
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

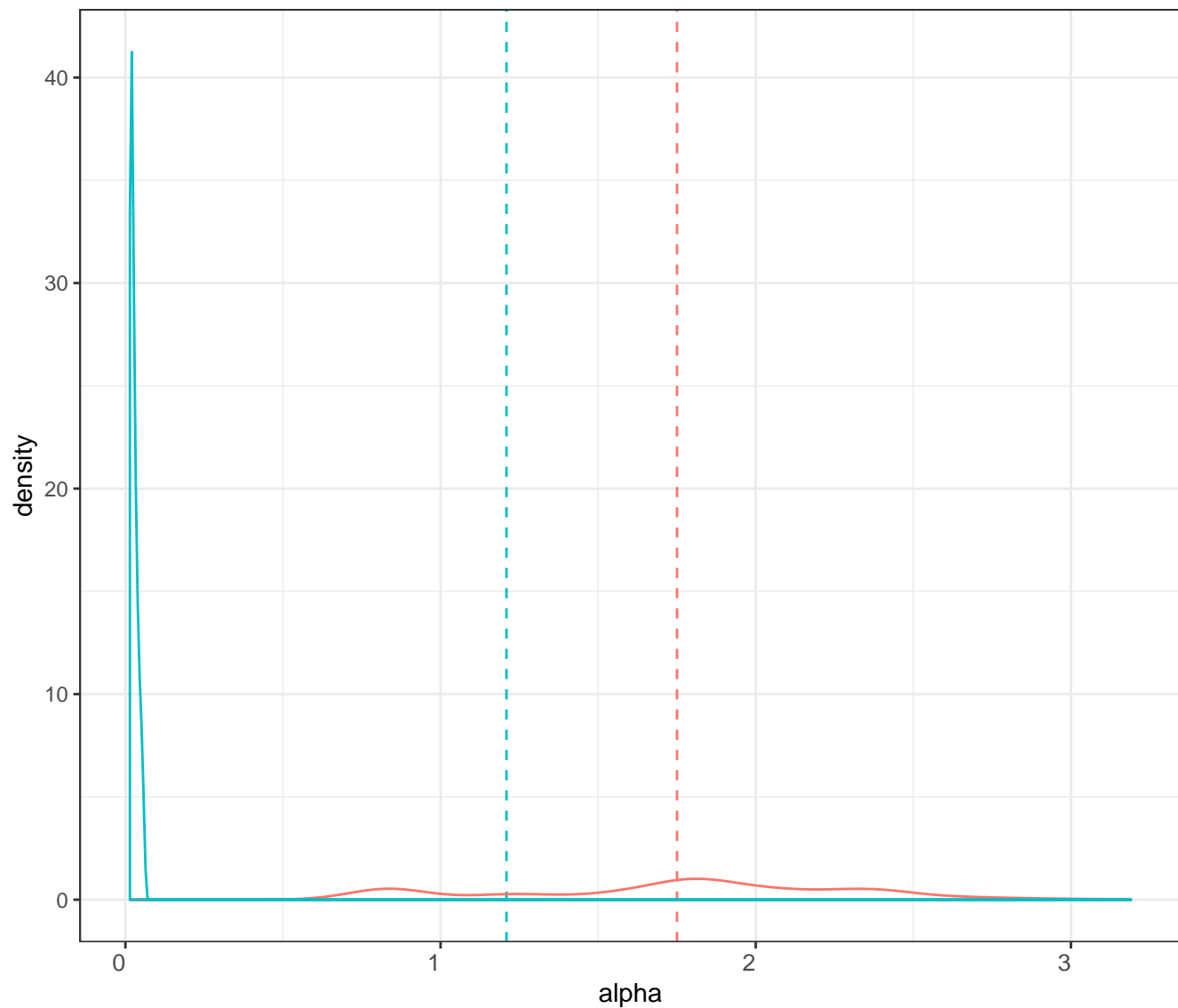
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



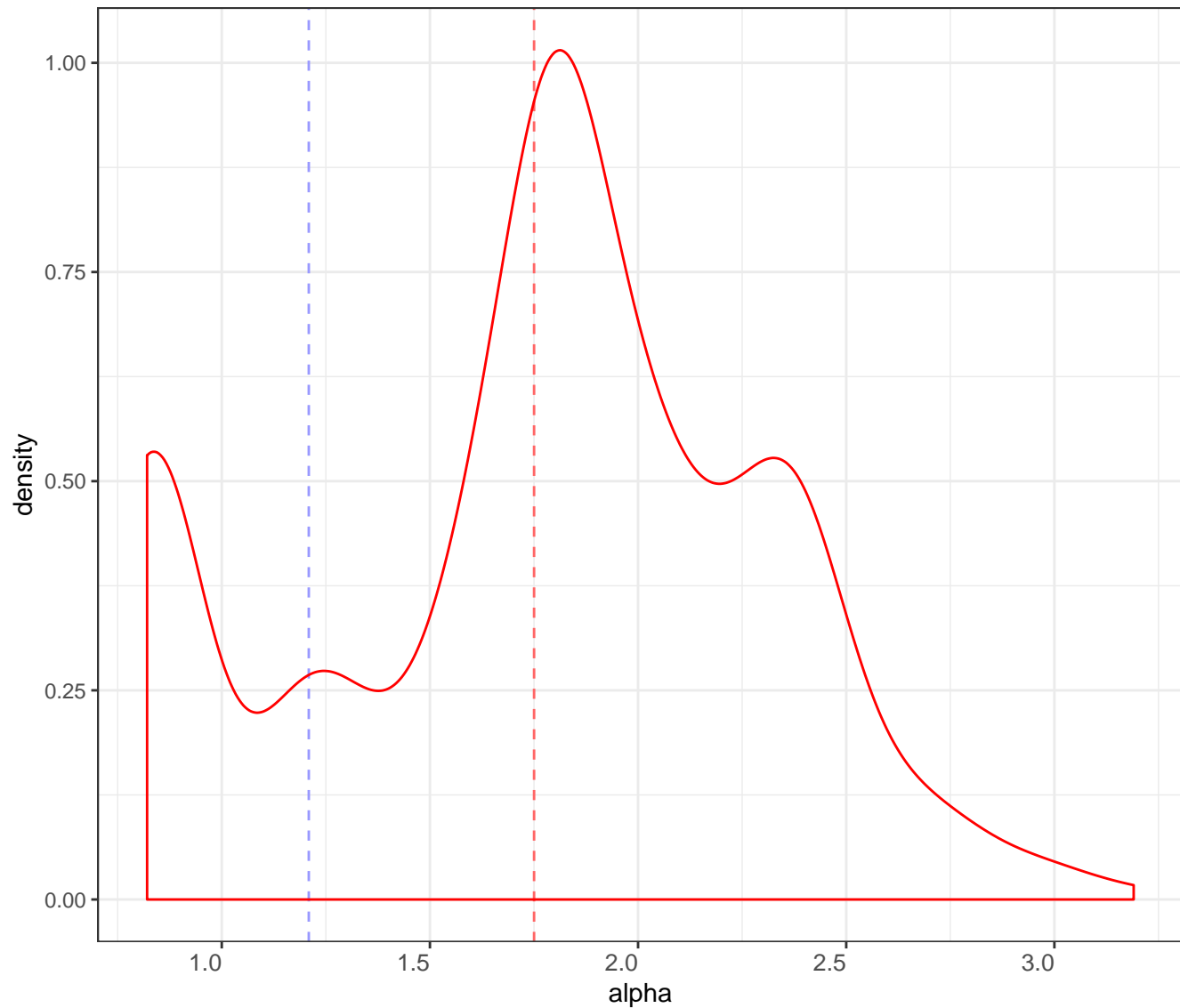
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

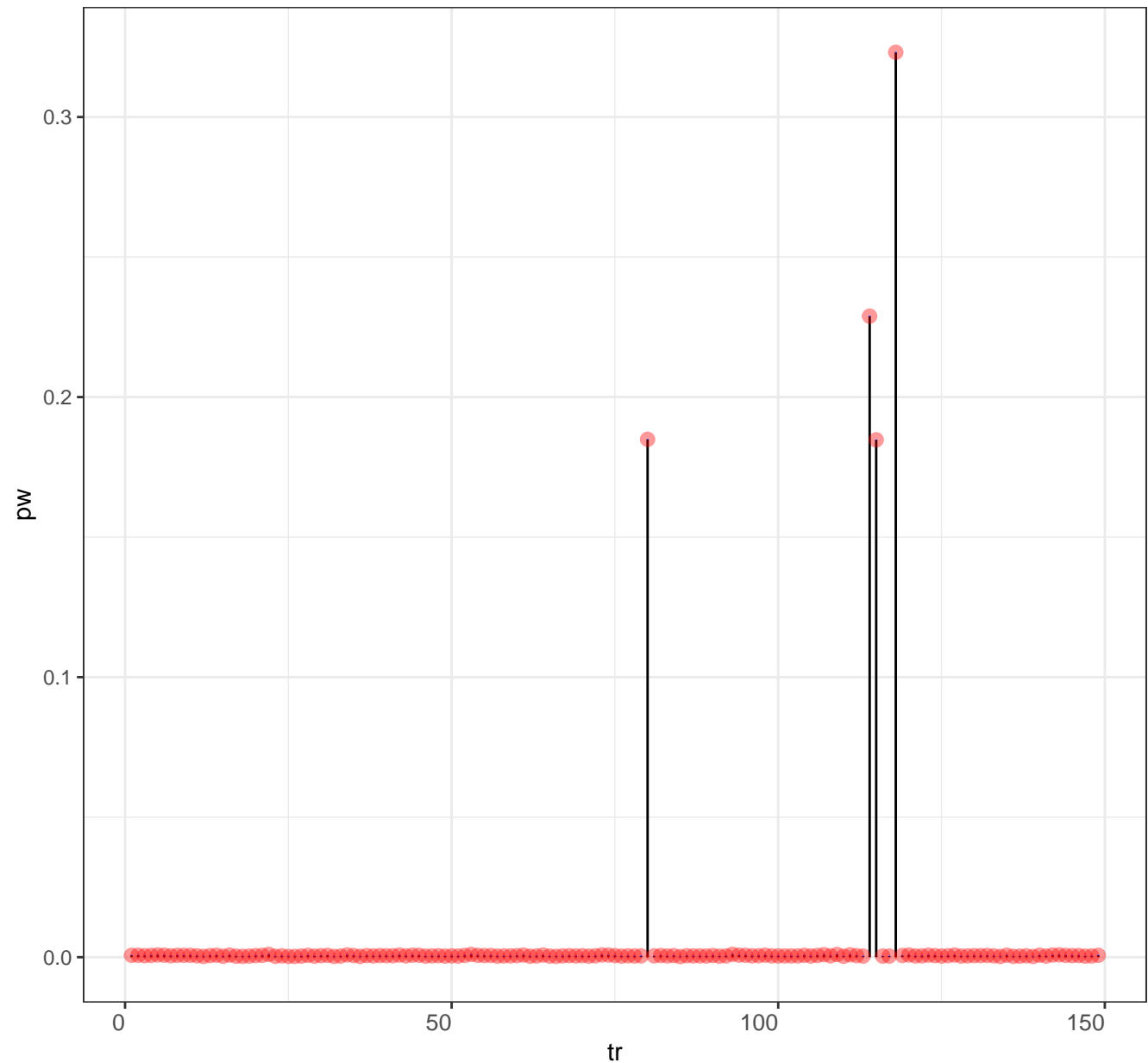
posterior mean

prior mean



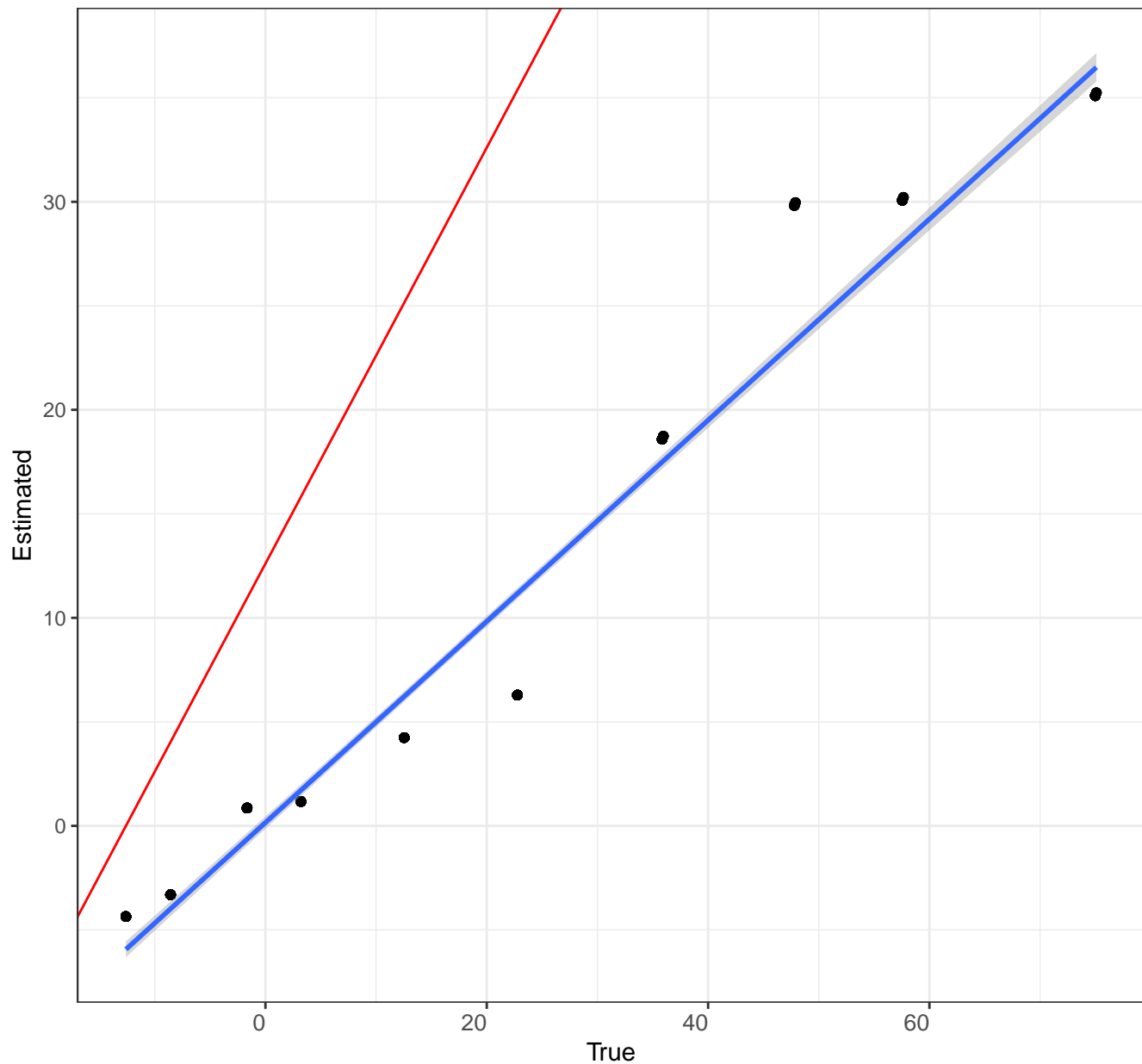
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



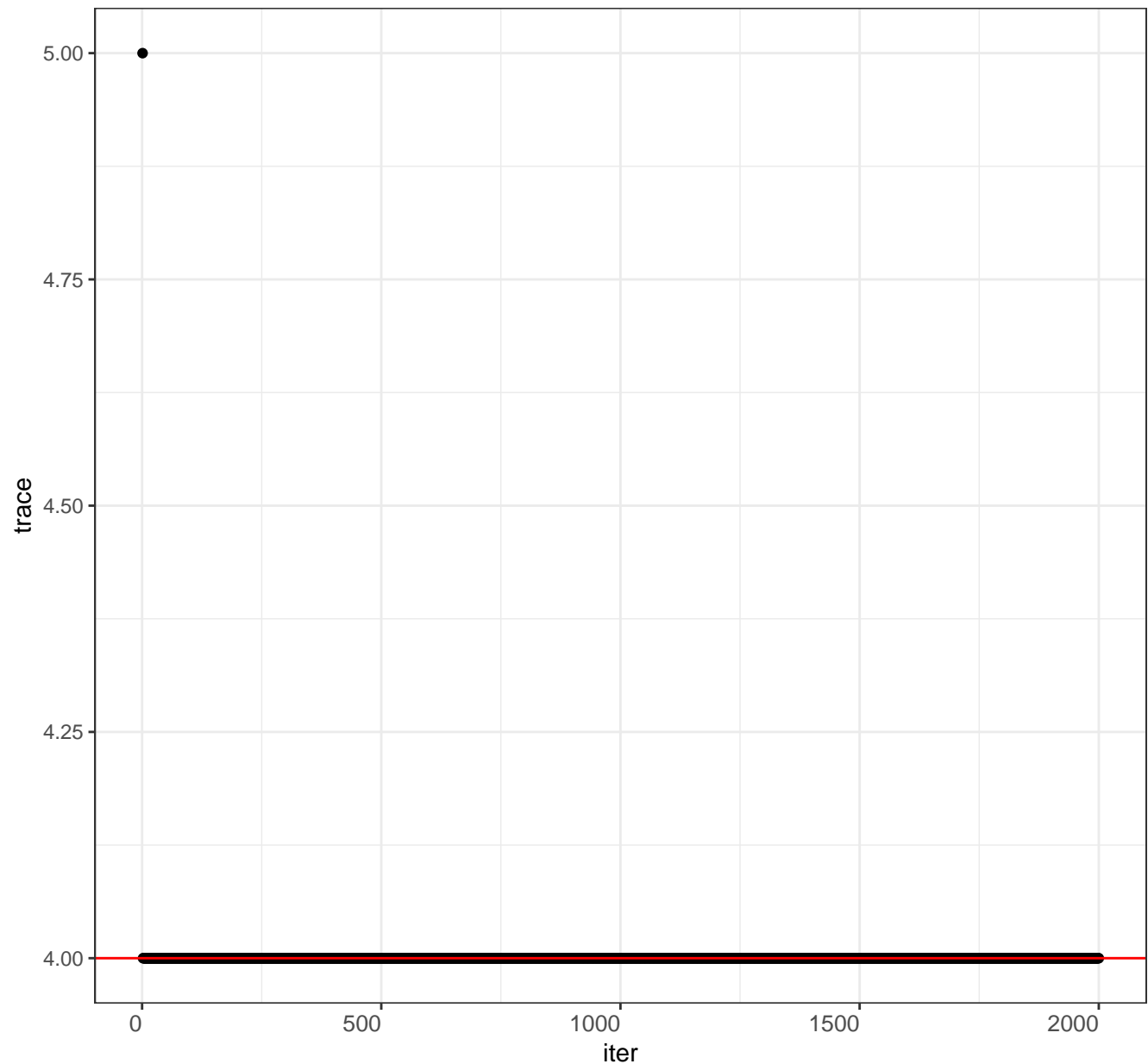
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

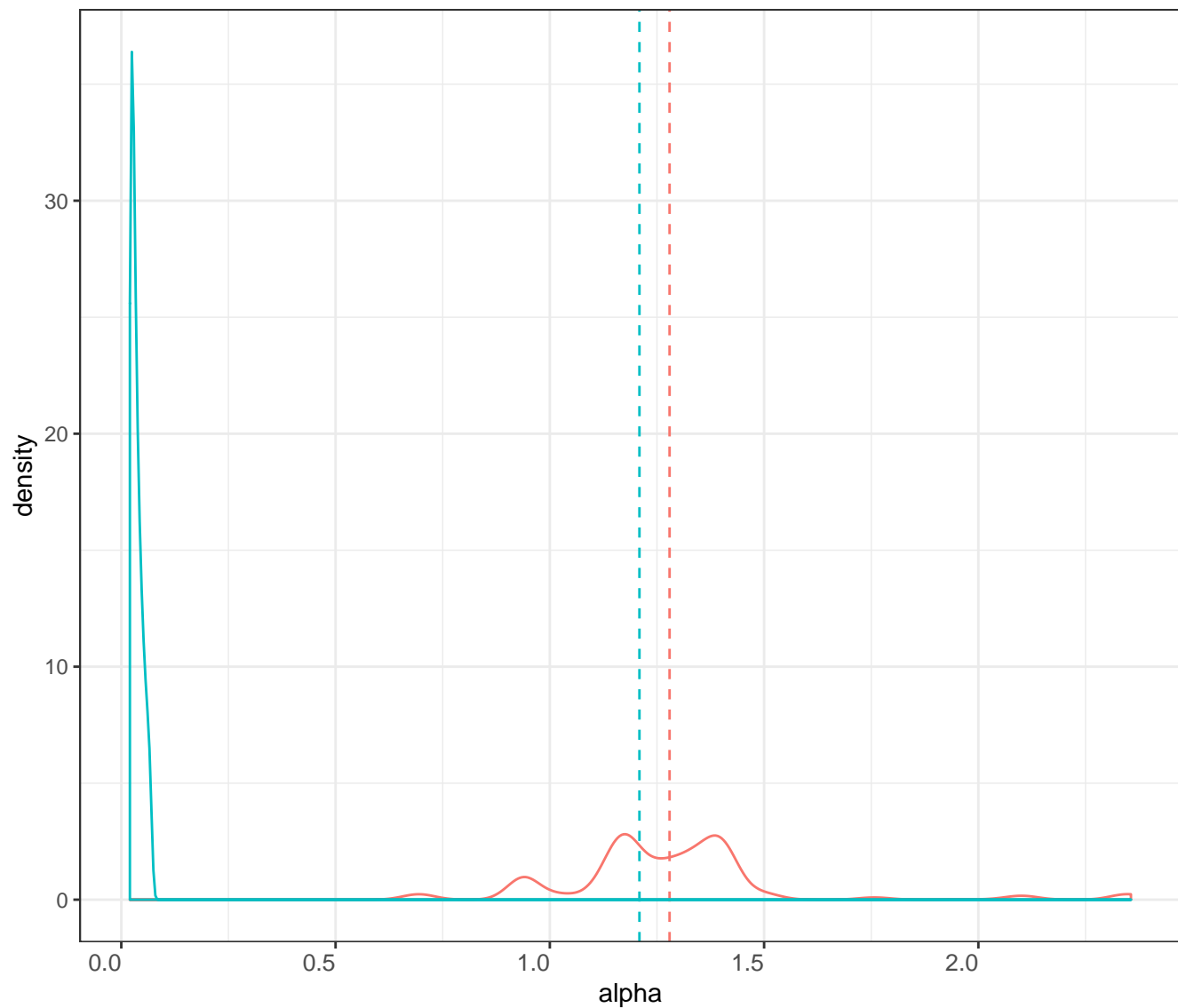
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



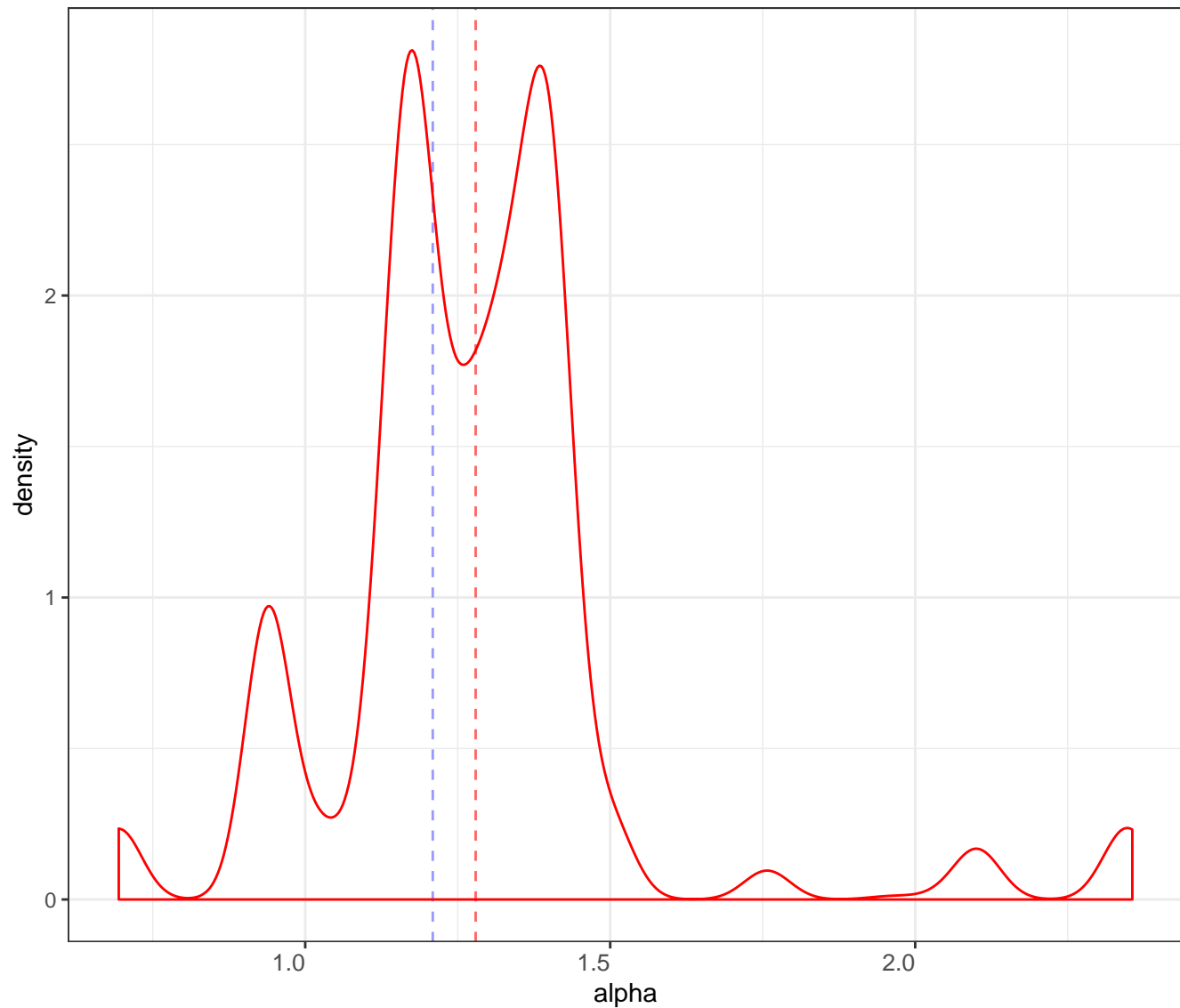
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

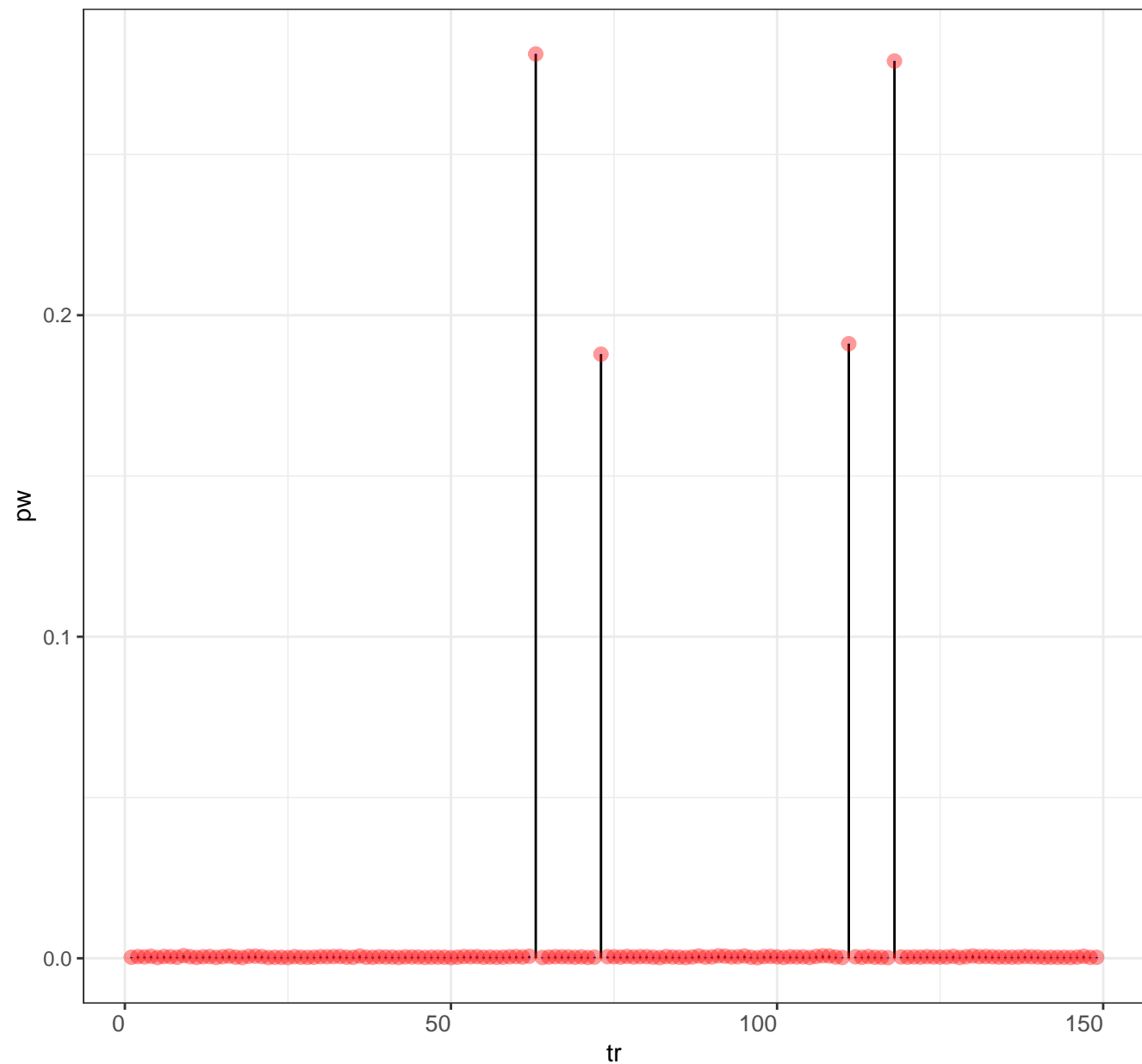
posterior mean

prior mean



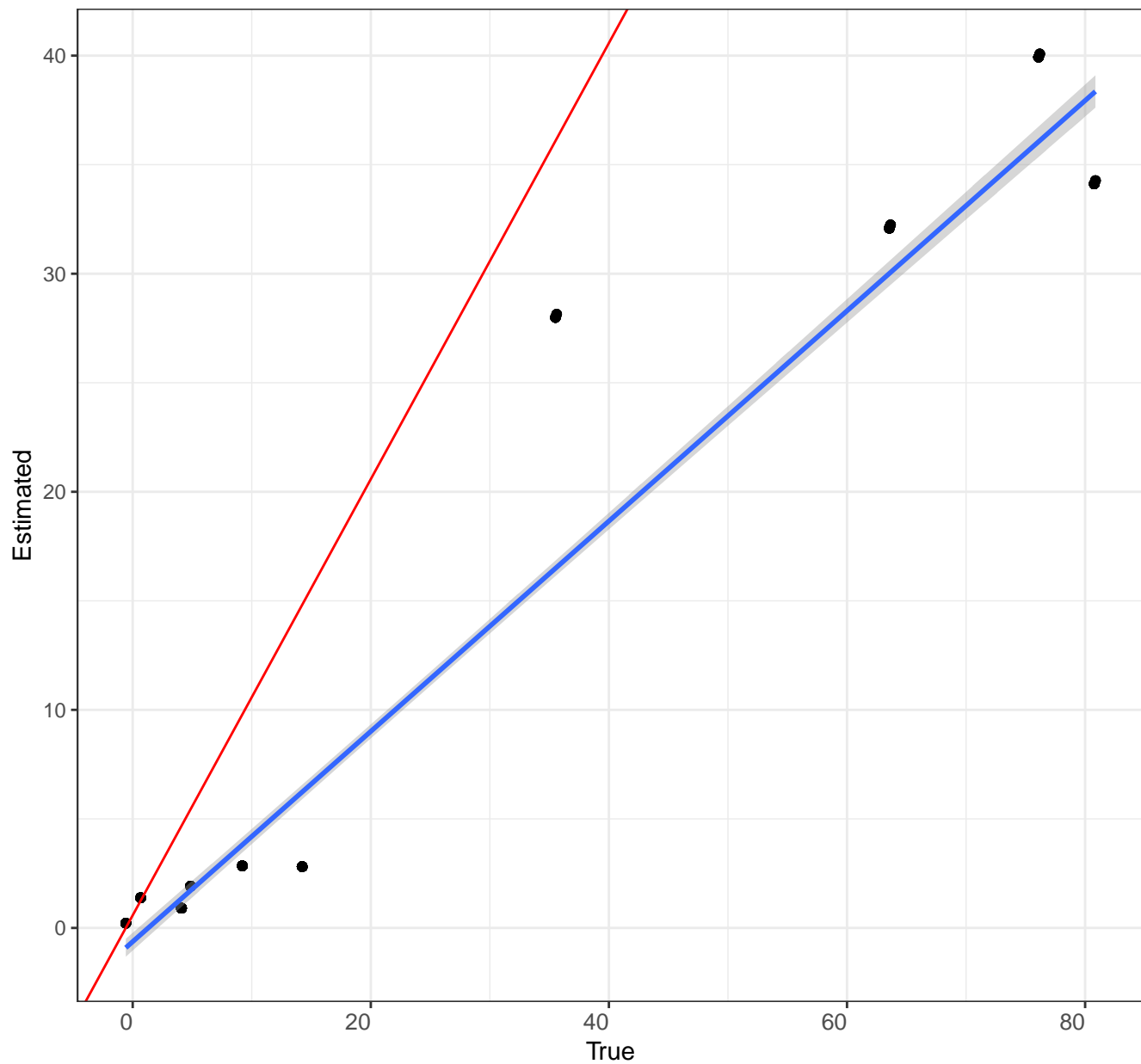
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



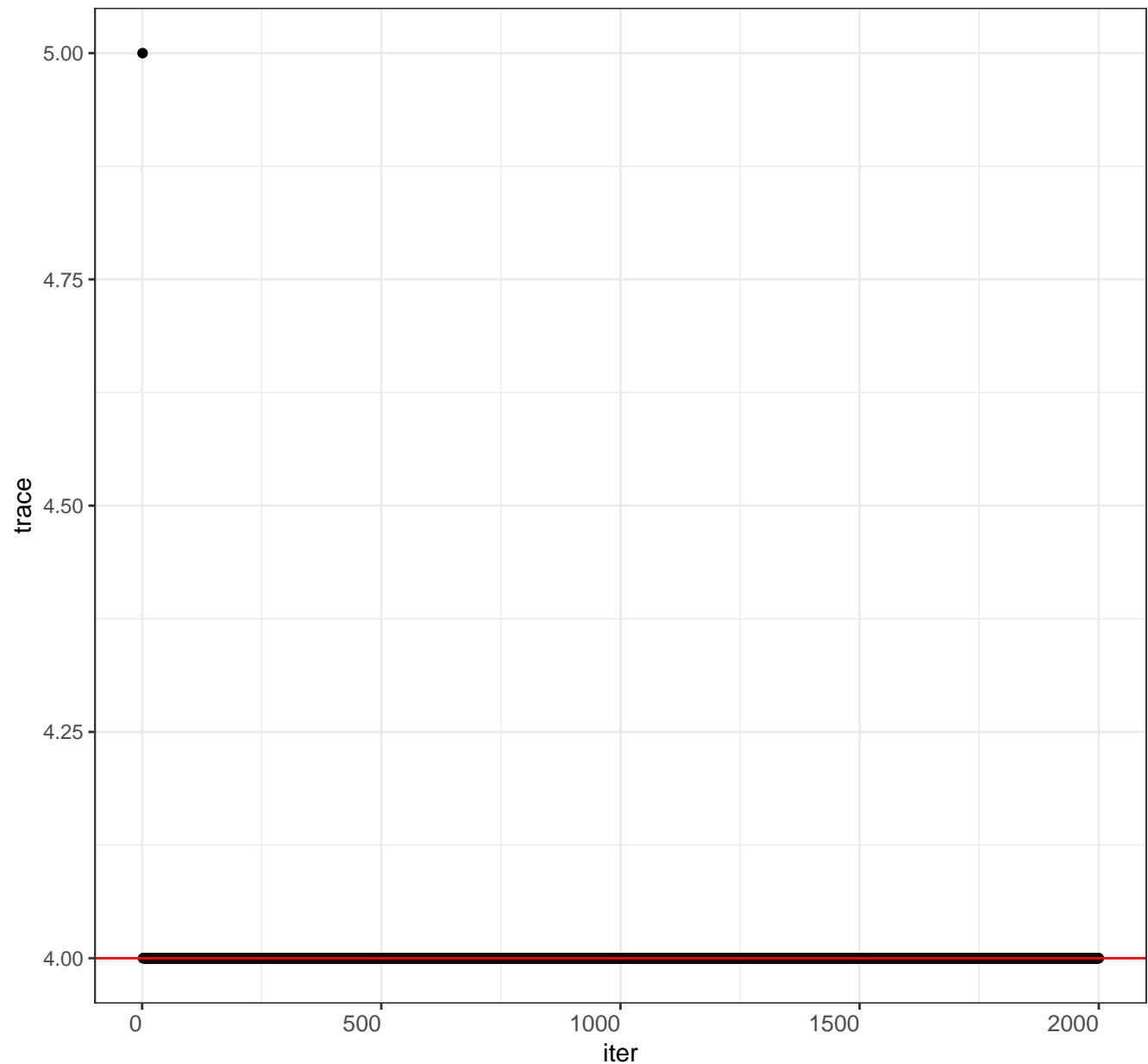
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

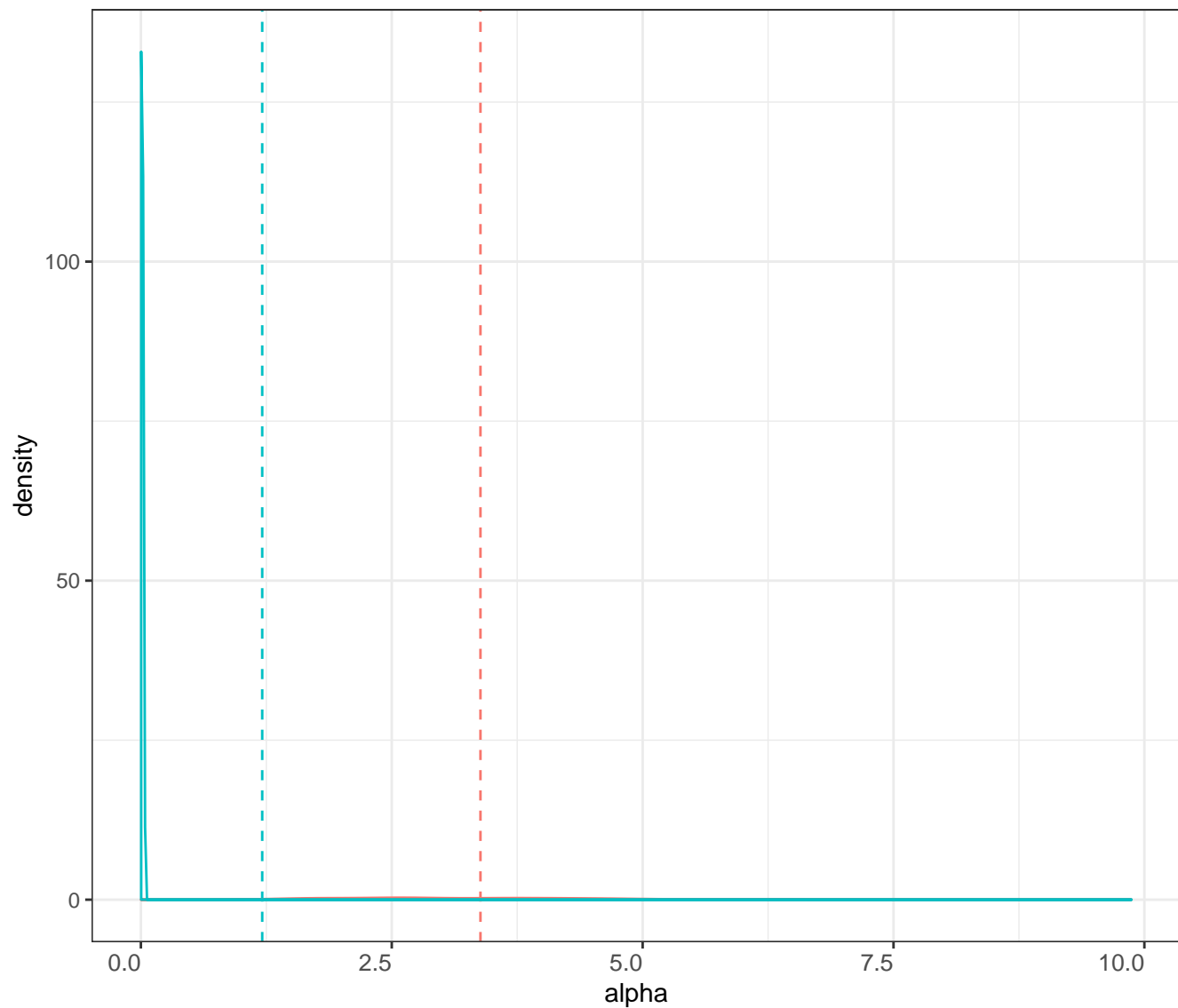
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

type | posterior | prior



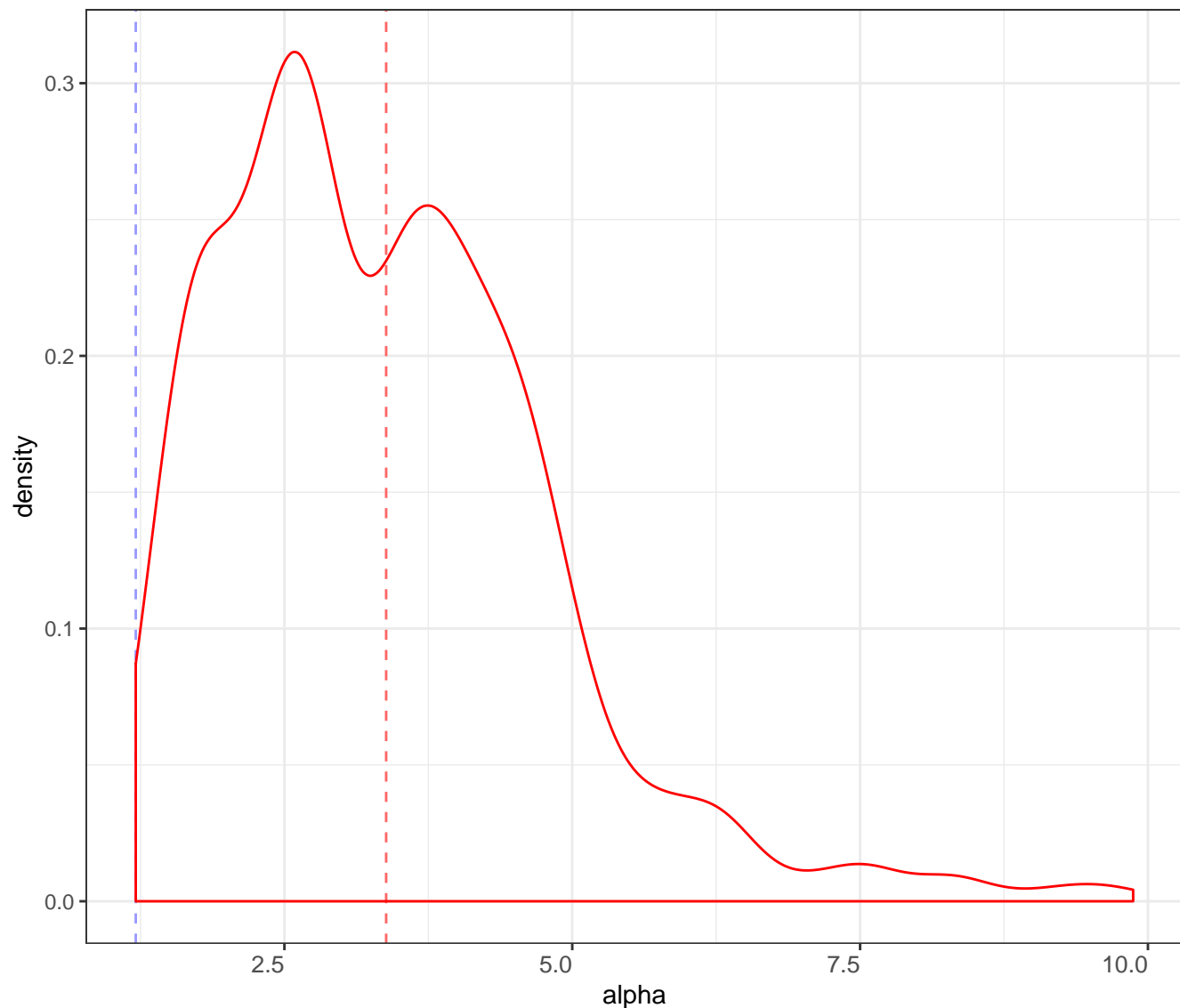
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

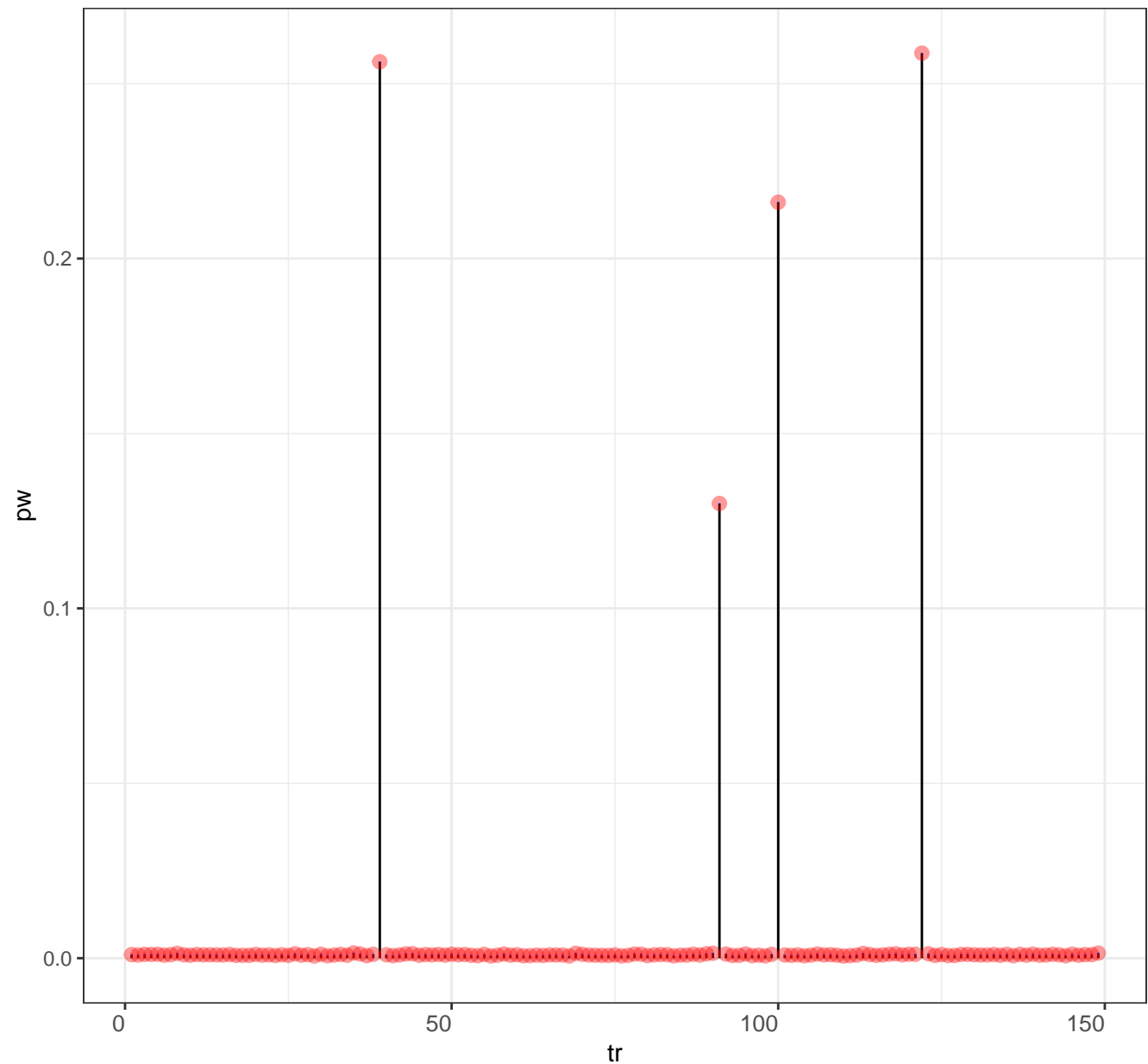
posterior mean

prior mean



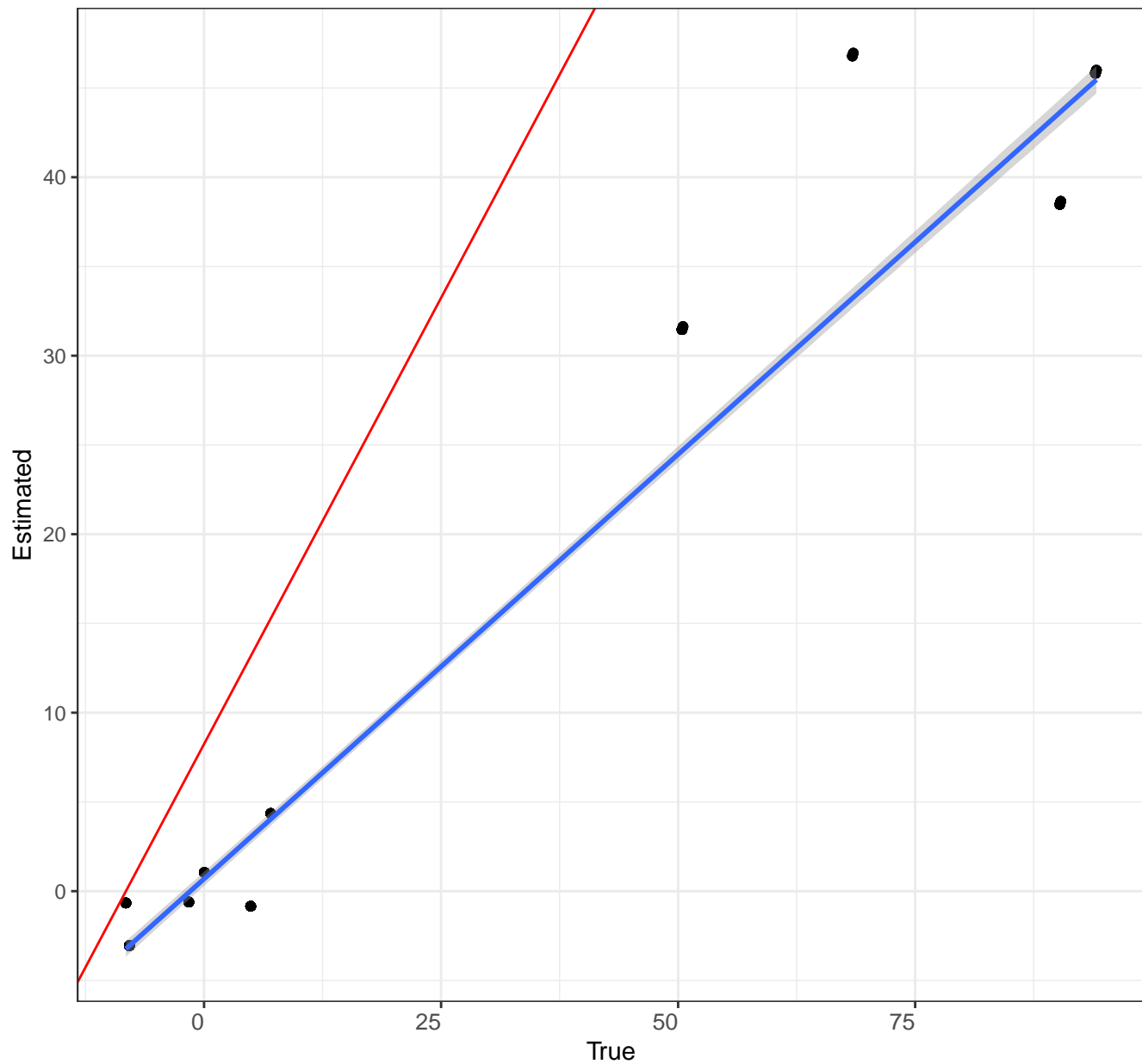
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



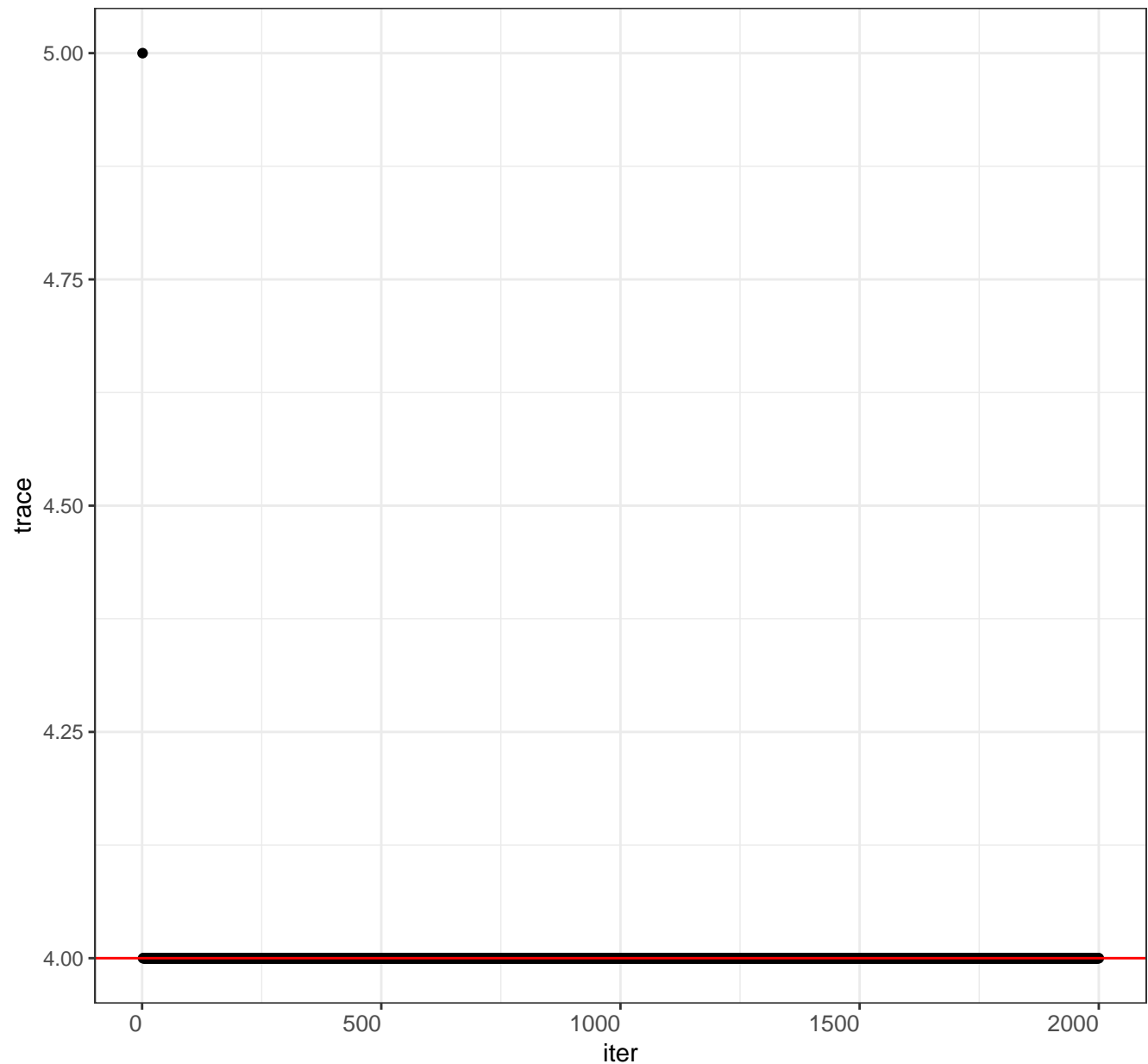
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

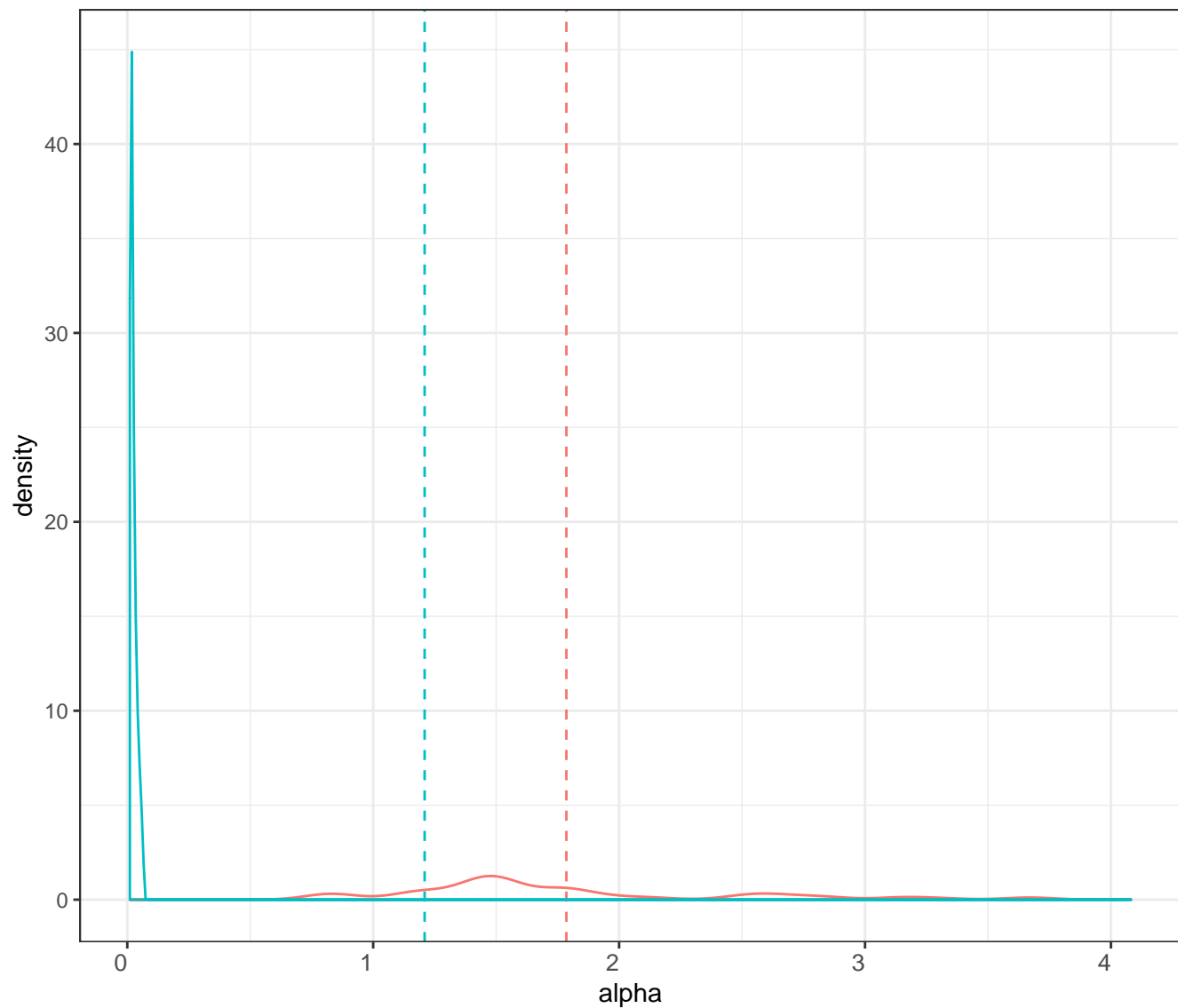
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

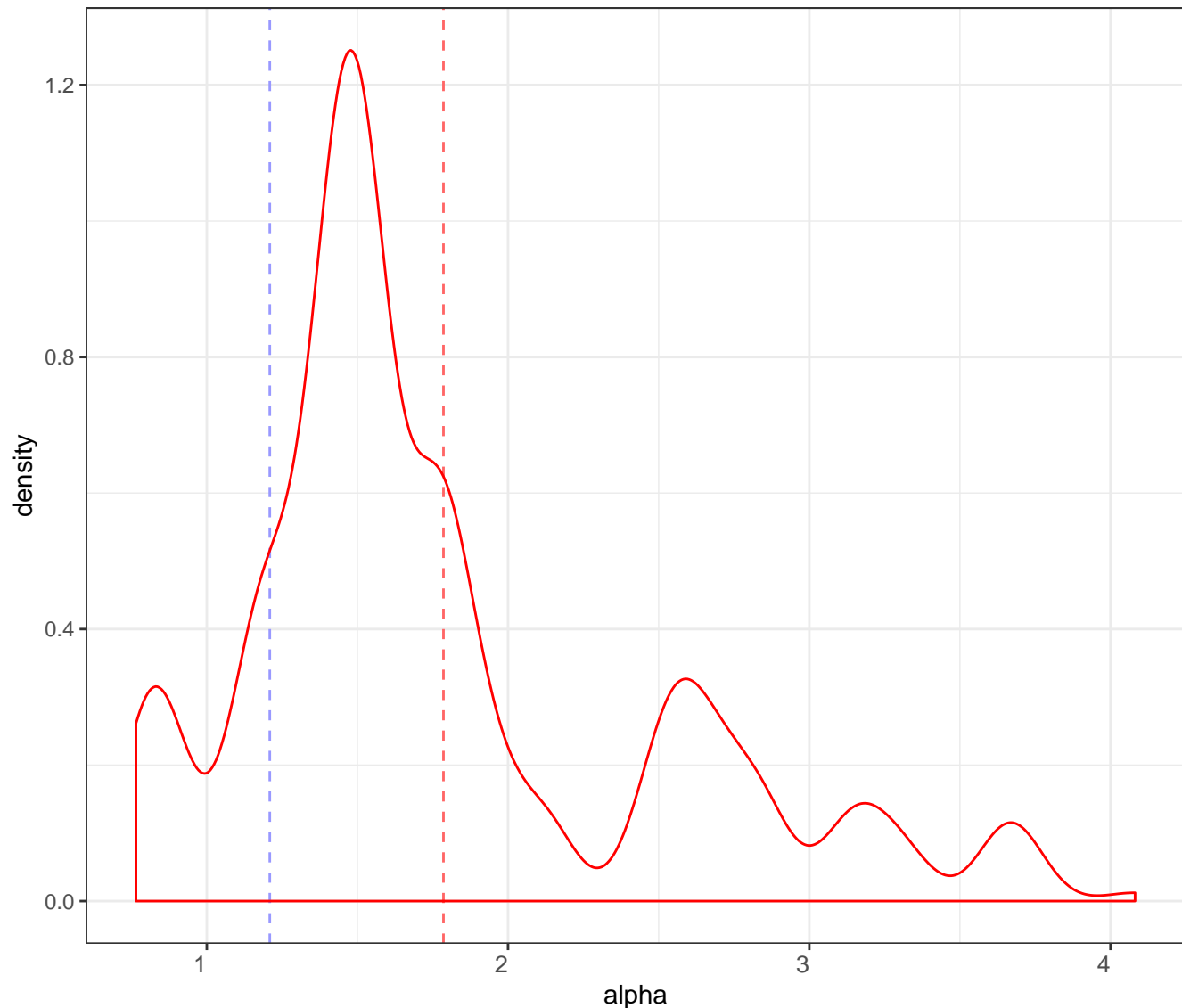
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

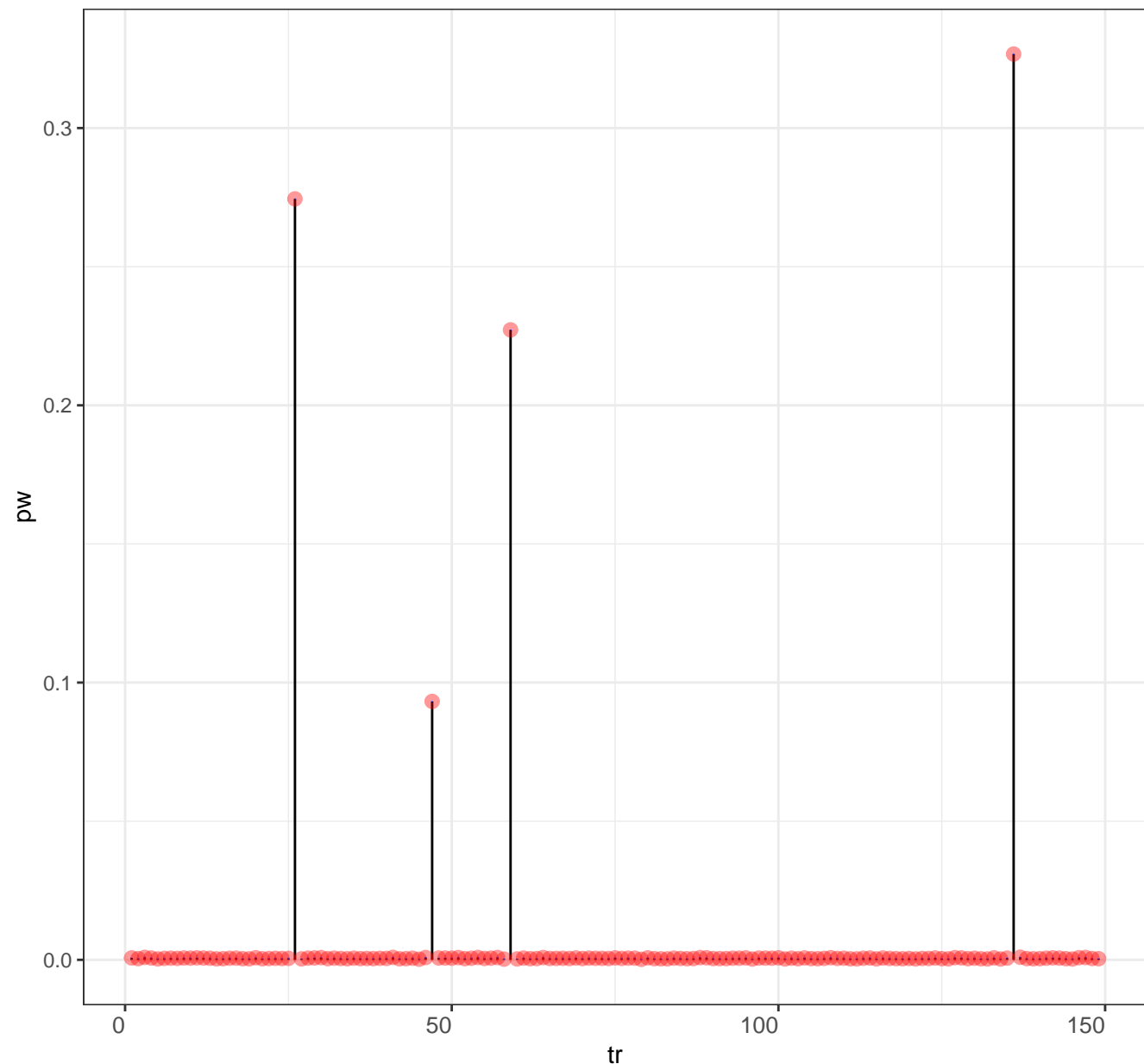
Posterior distribution for alpha

Legend posterior mean prior mean



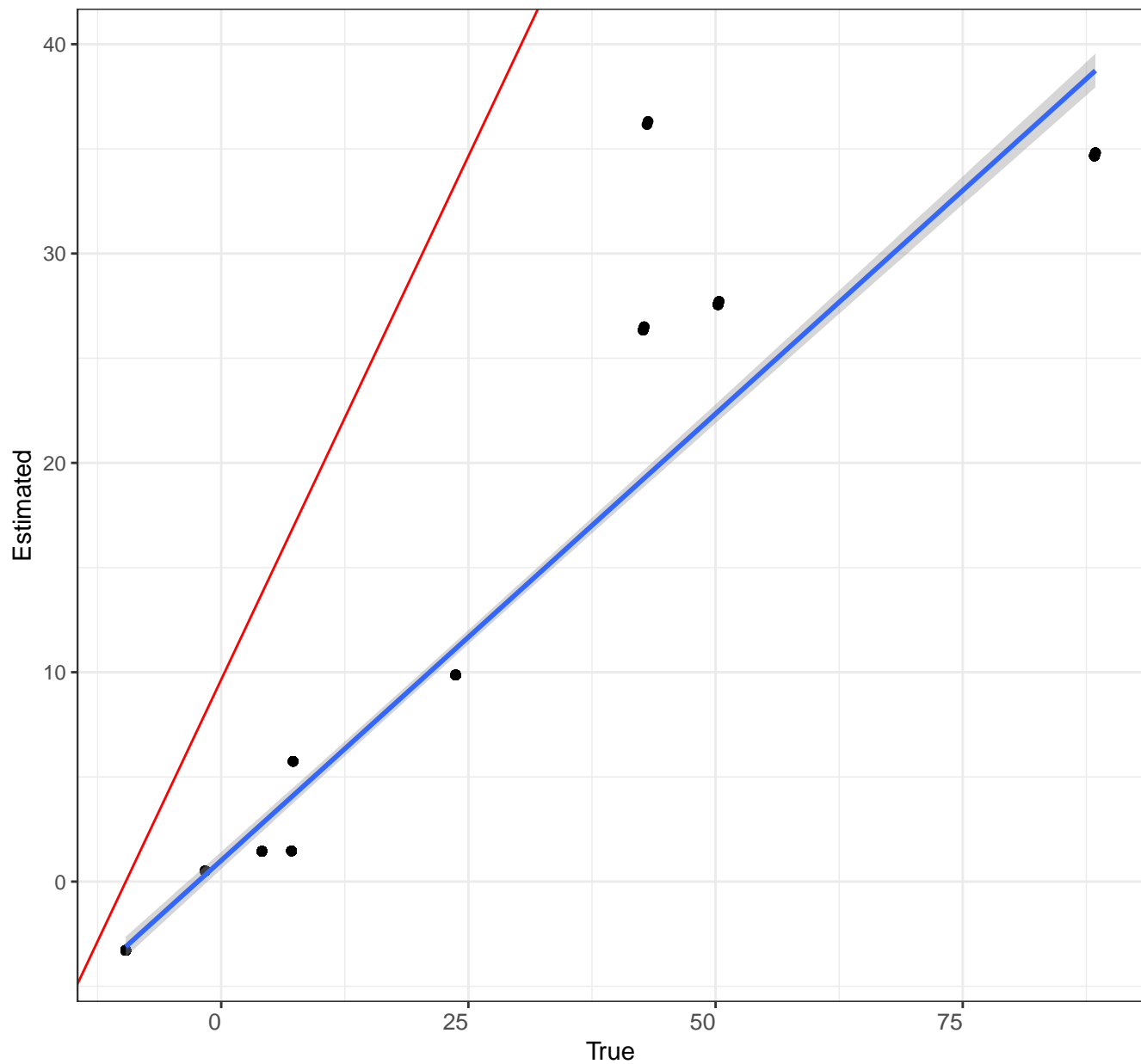
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



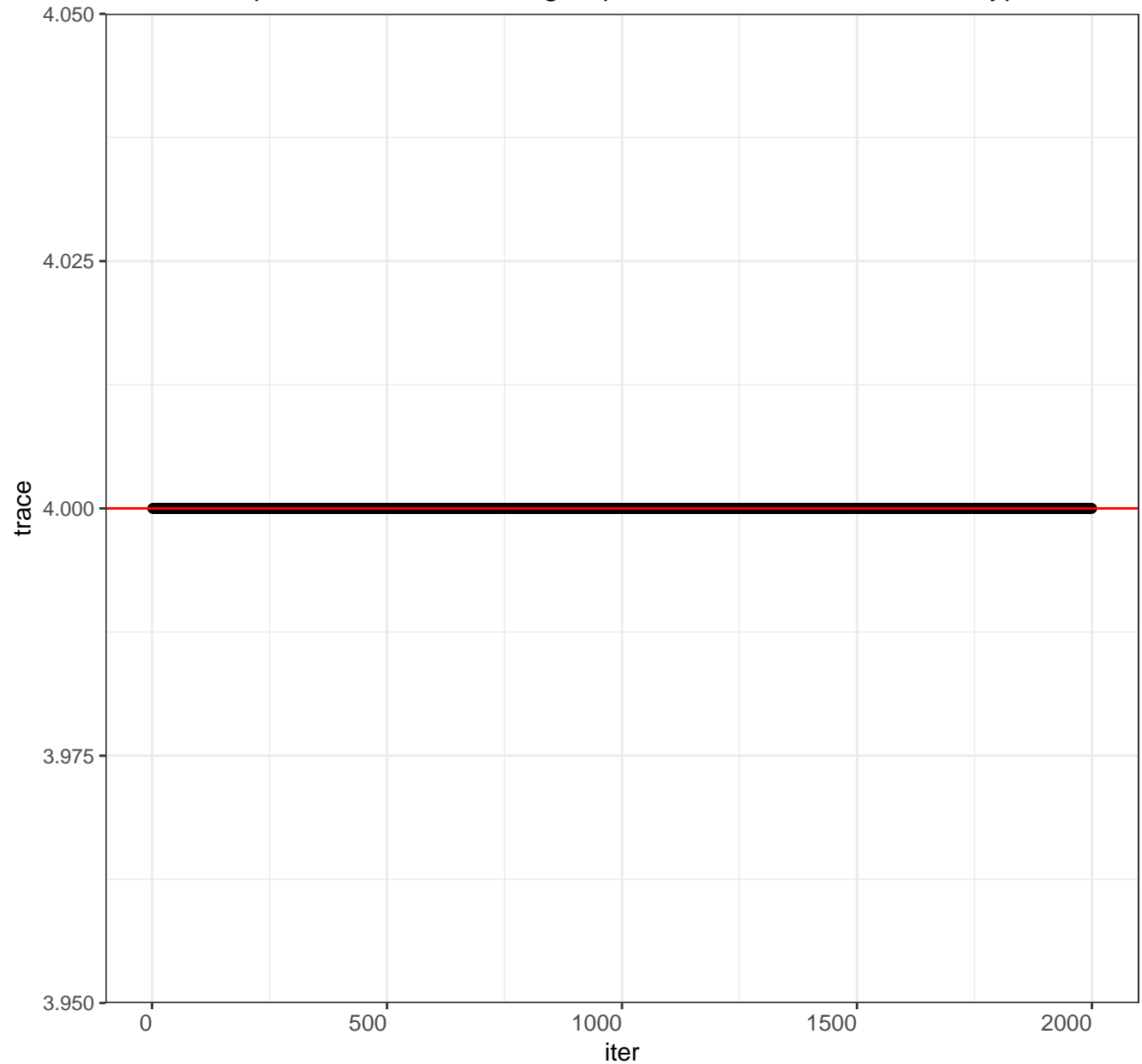
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

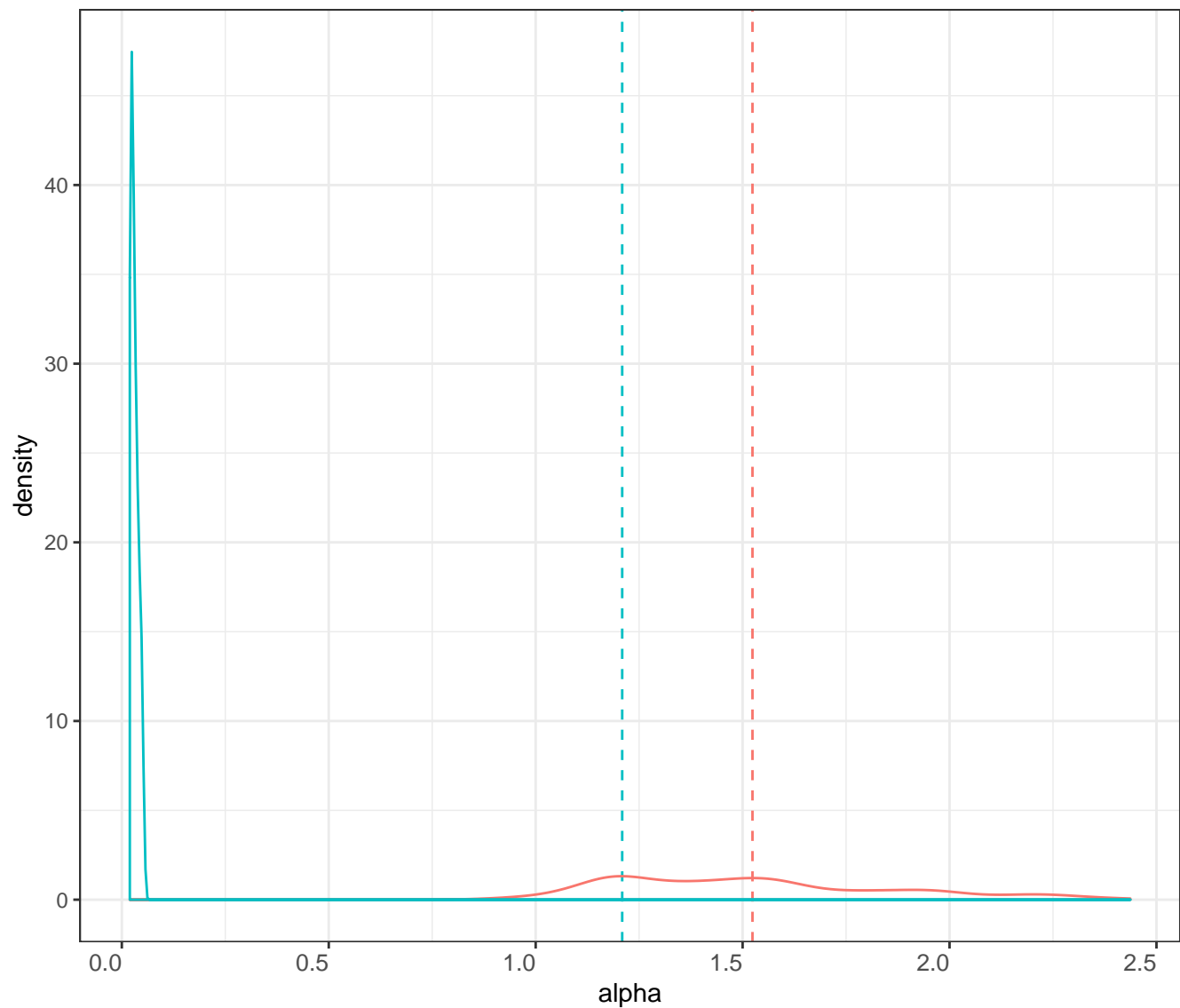
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

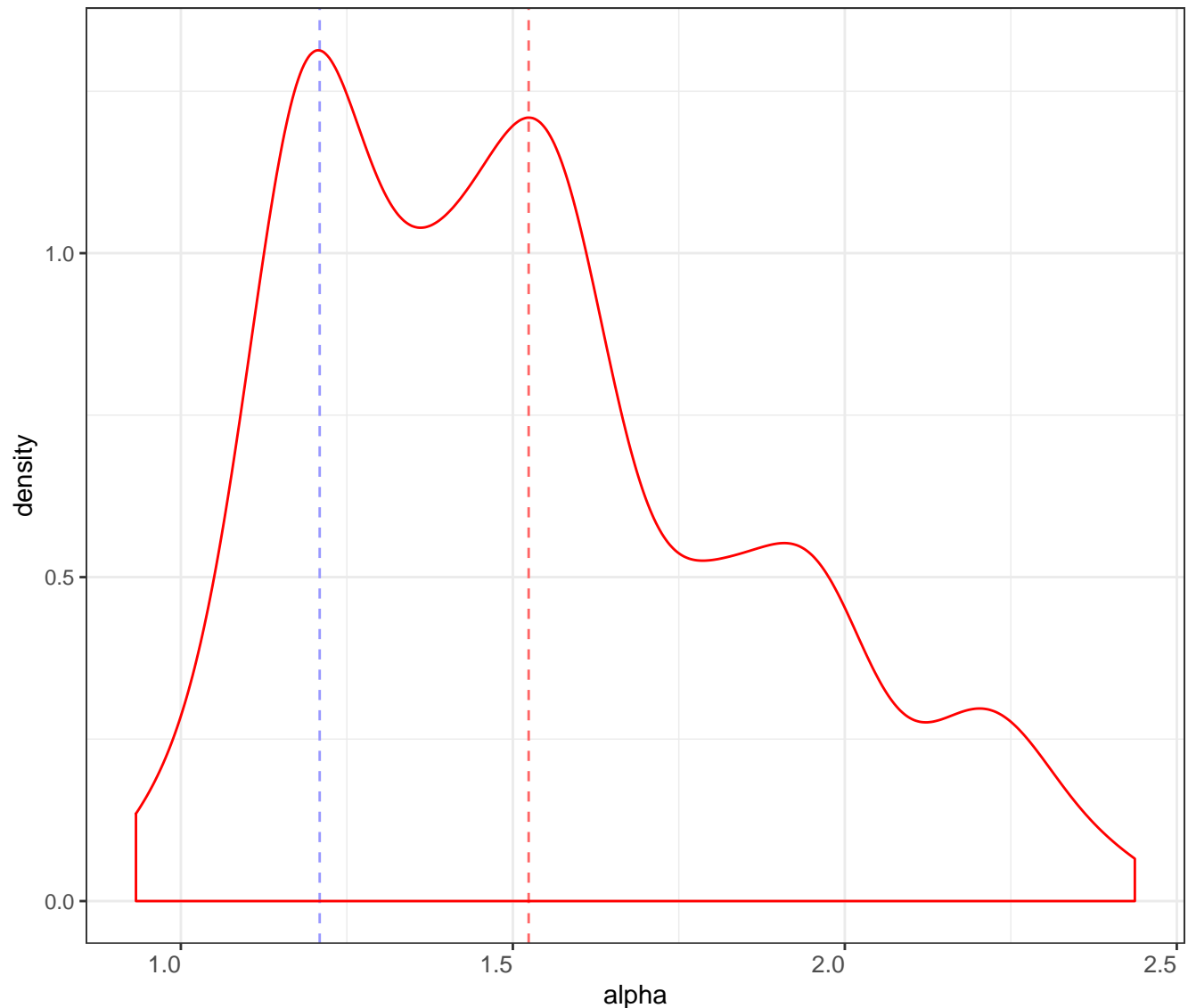
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

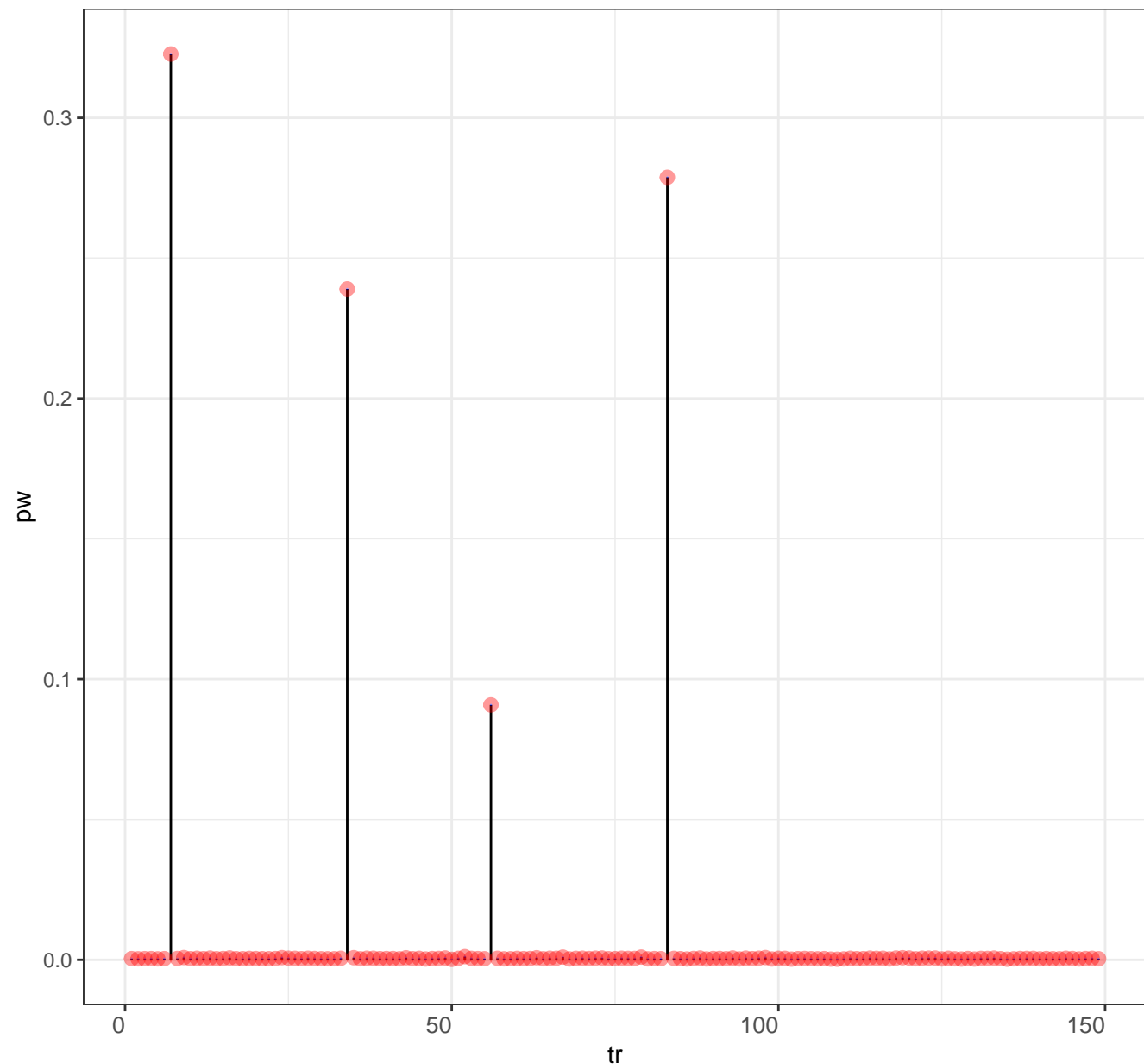
Posterior distribution for alpha

Legend posterior mean prior mean



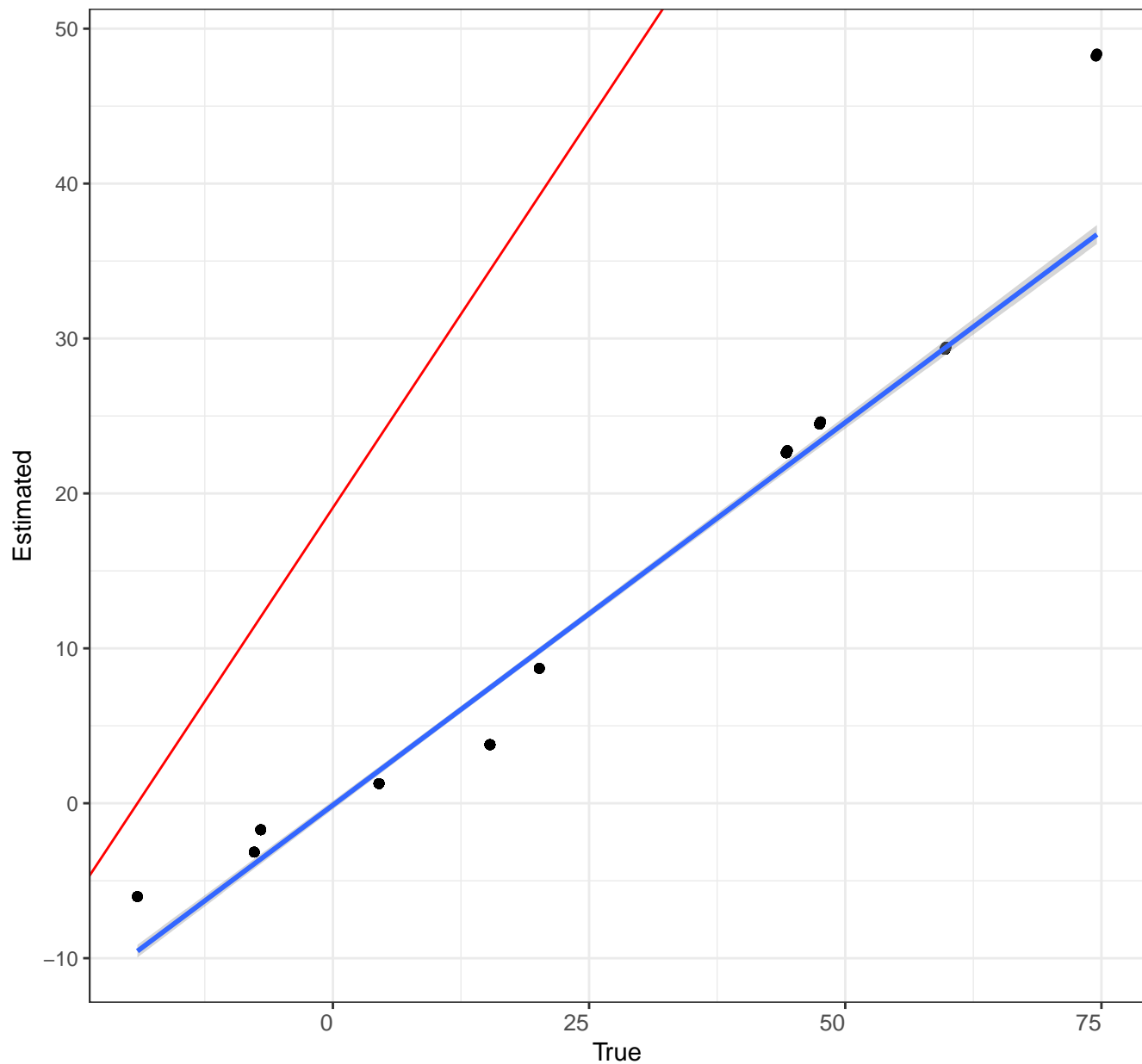
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



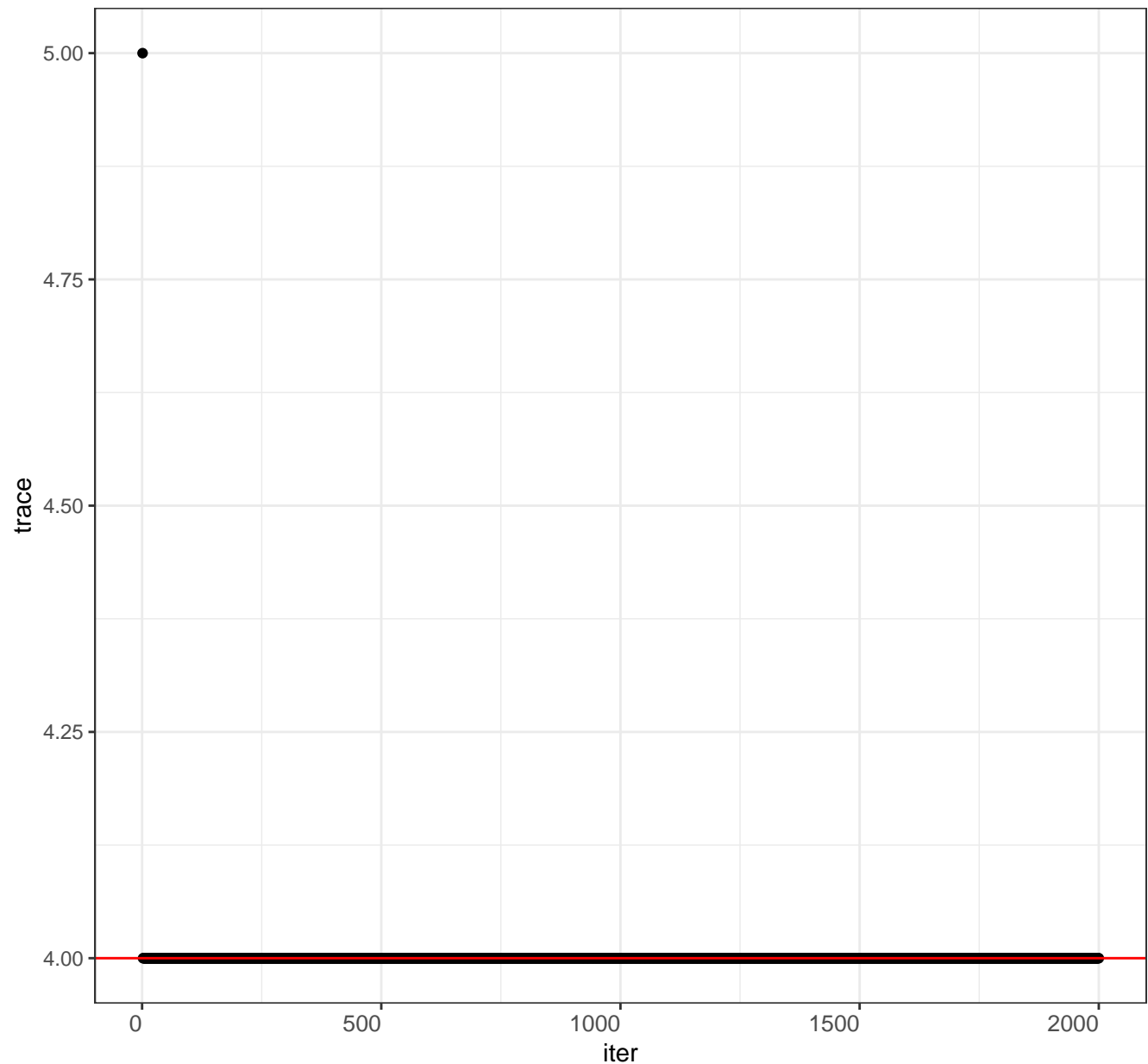
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

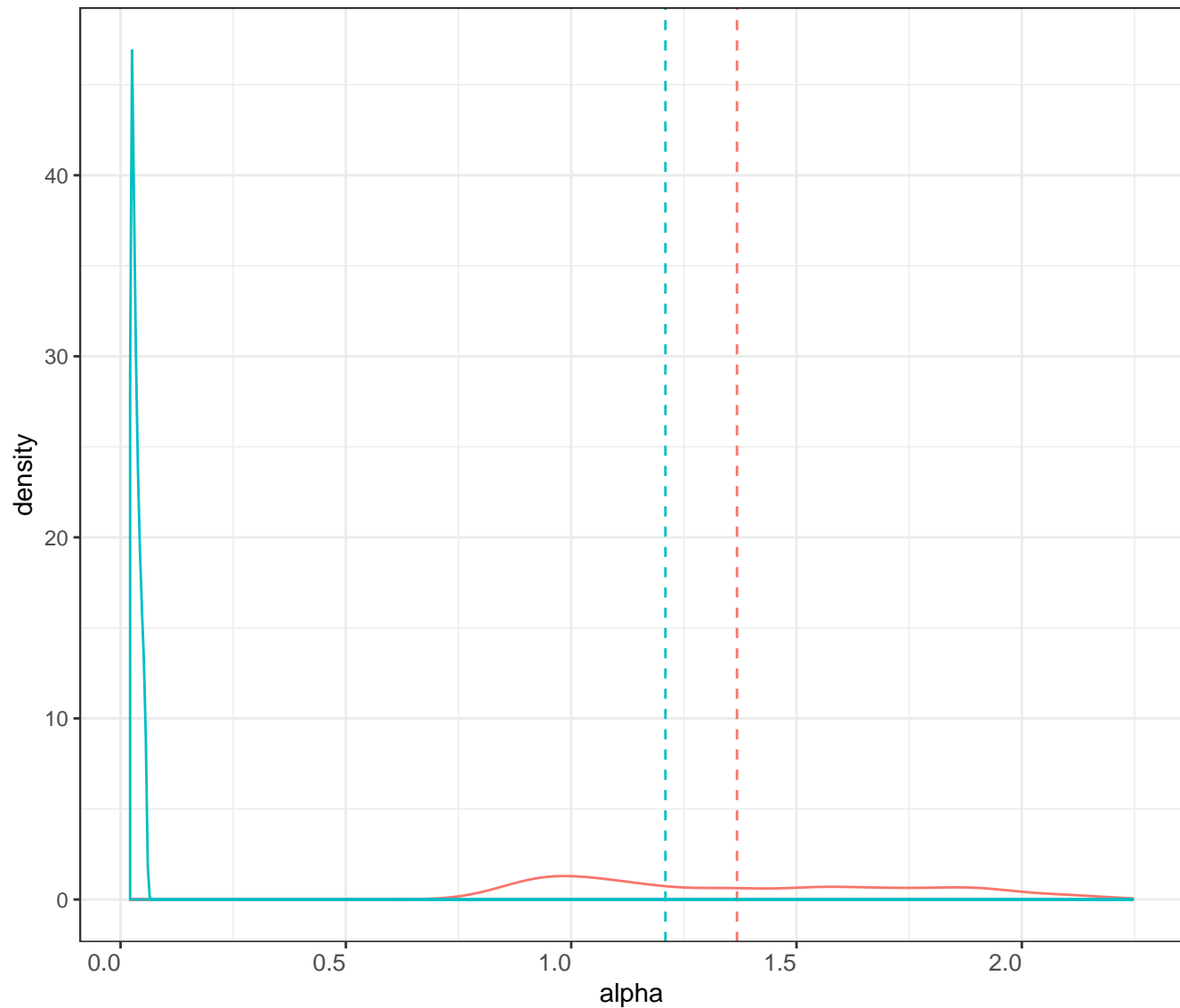
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

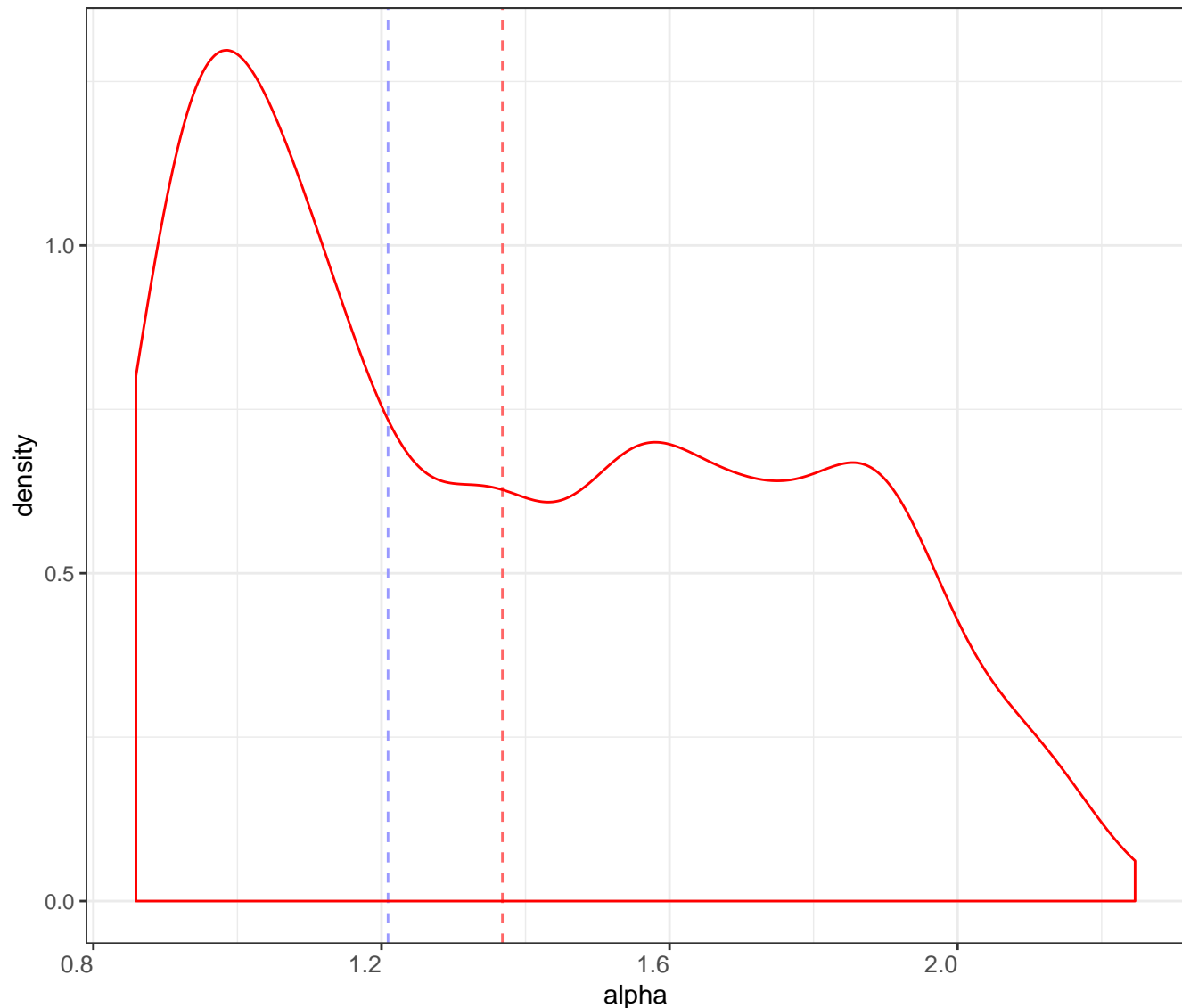
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

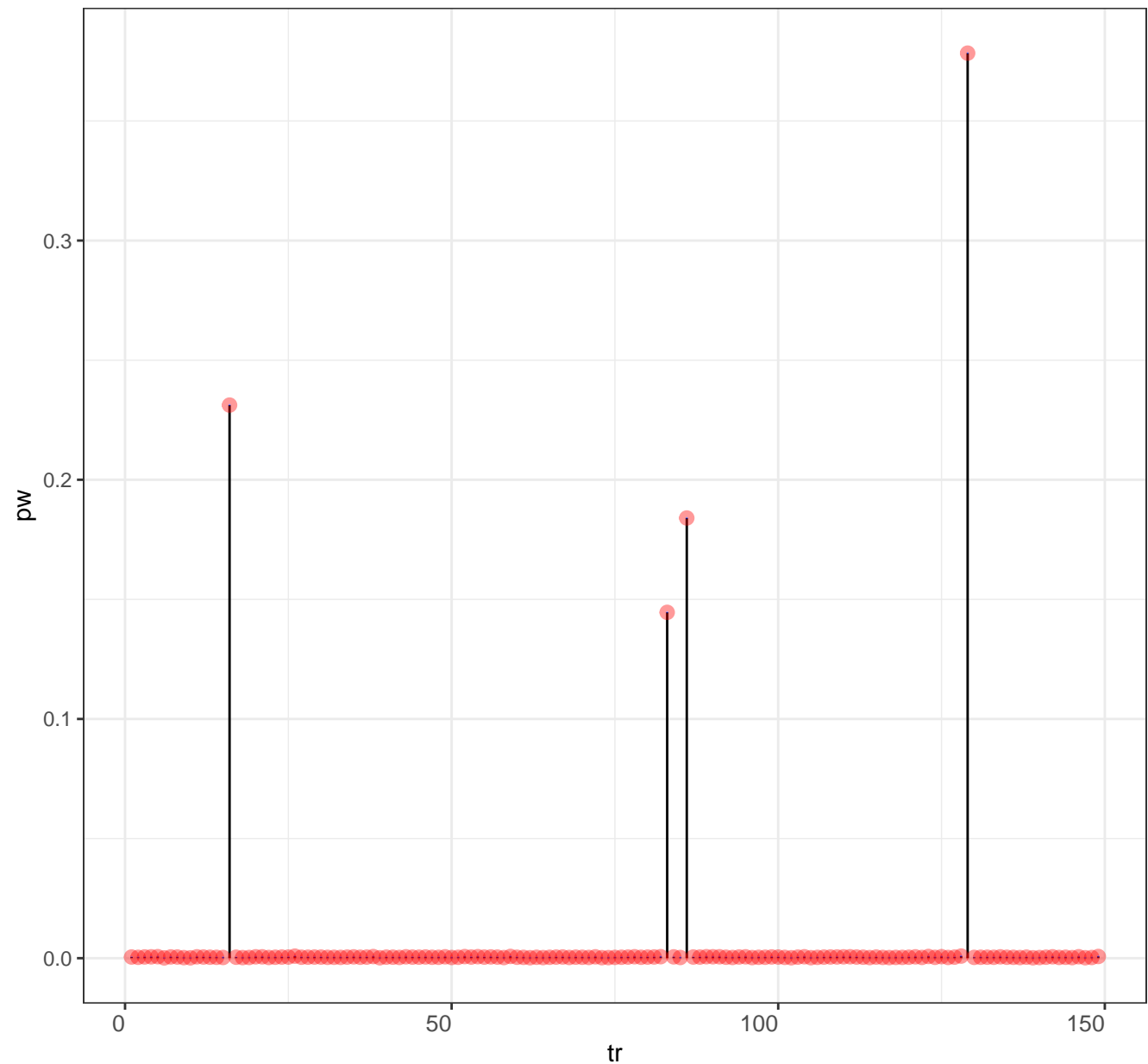
Posterior distribution for alpha

Legend posterior mean prior mean



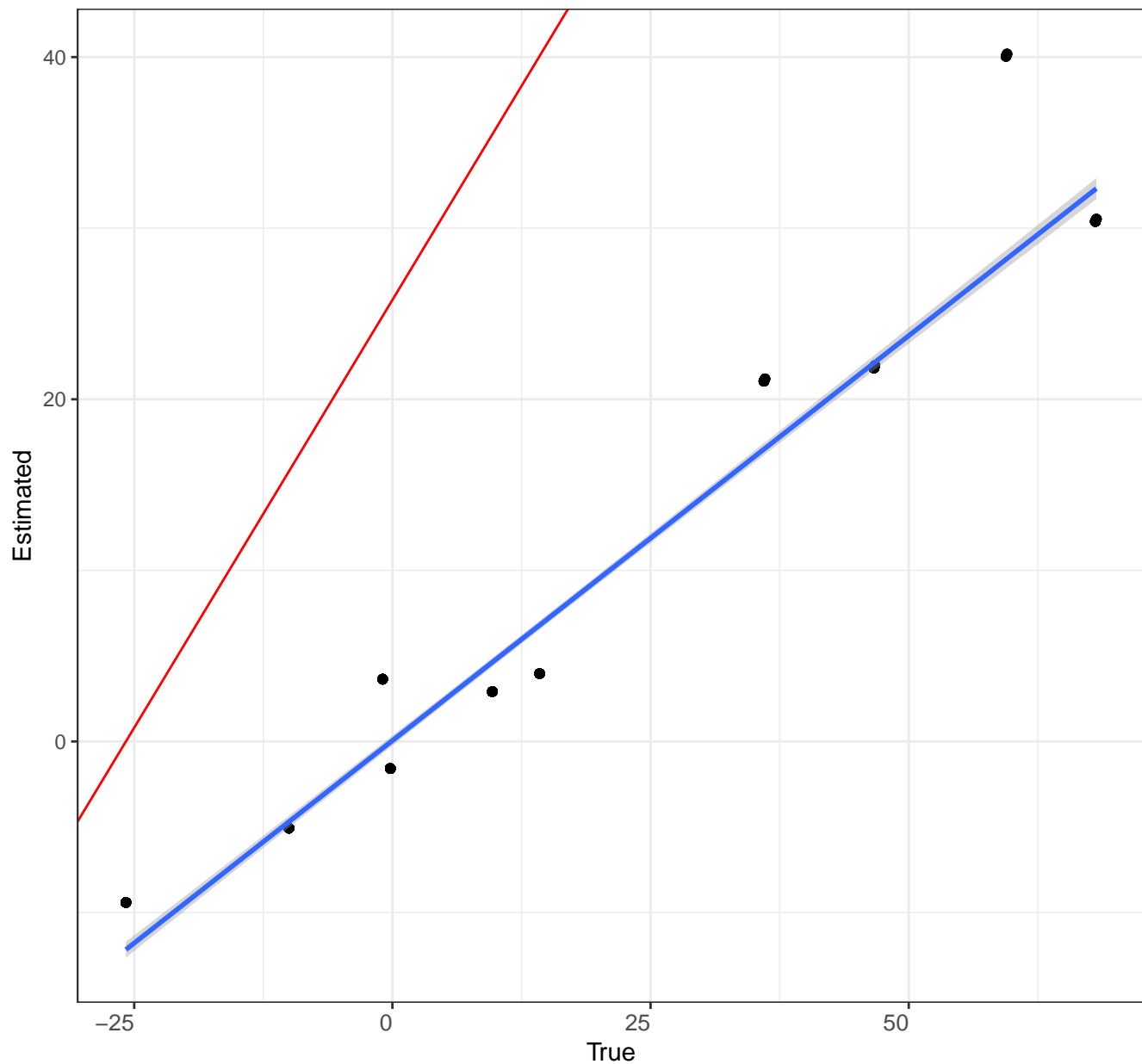
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0.001$



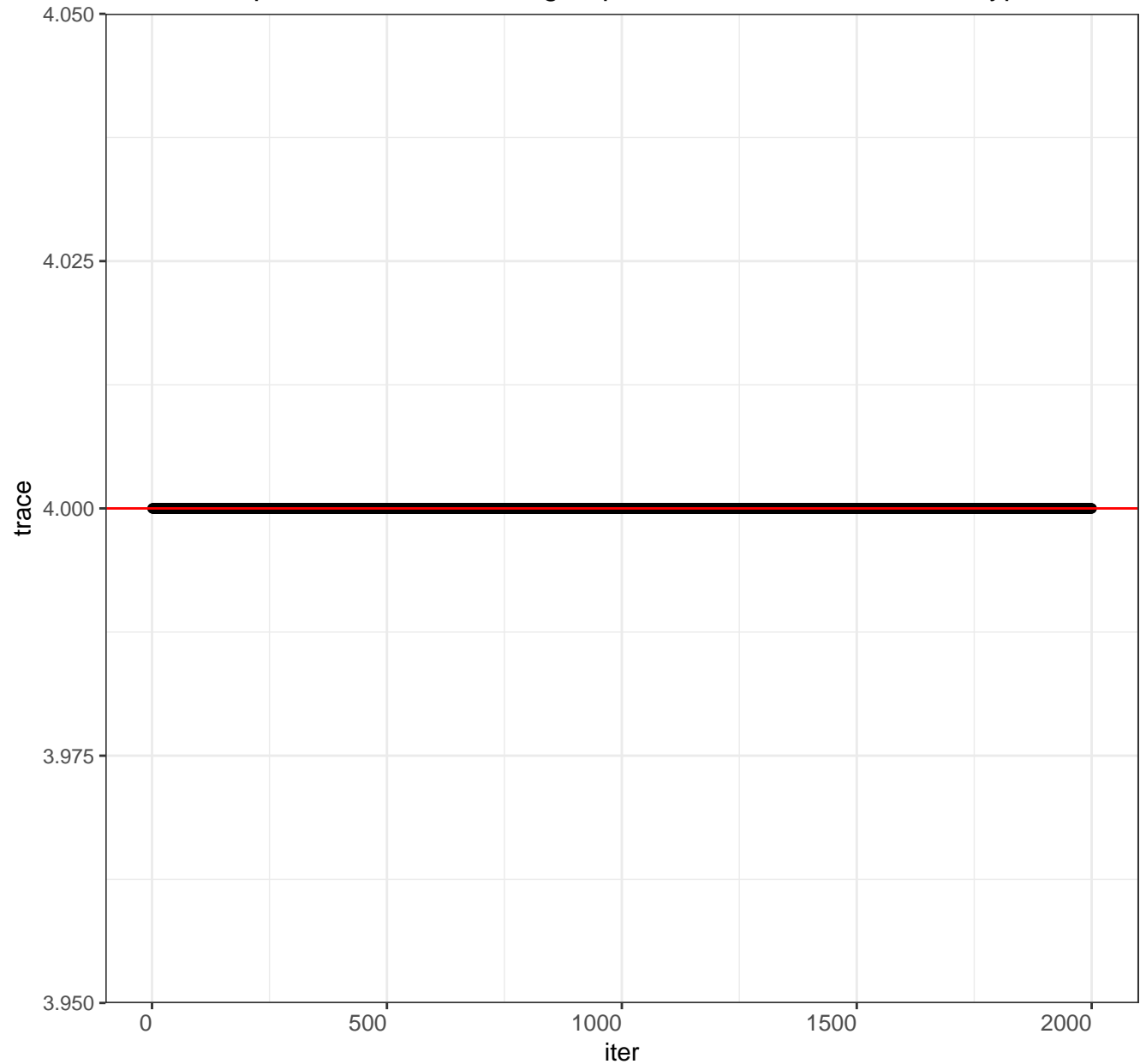
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

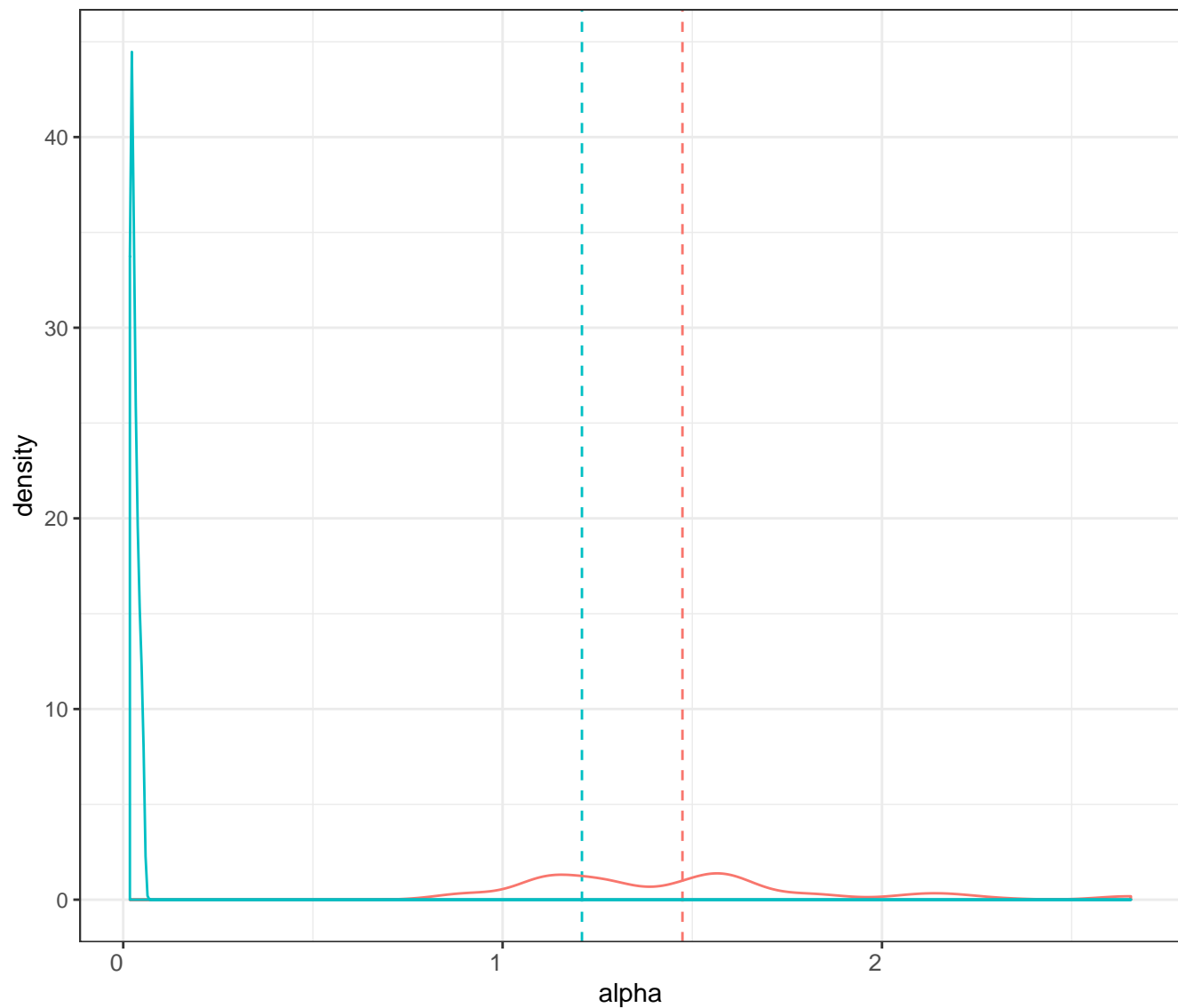
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

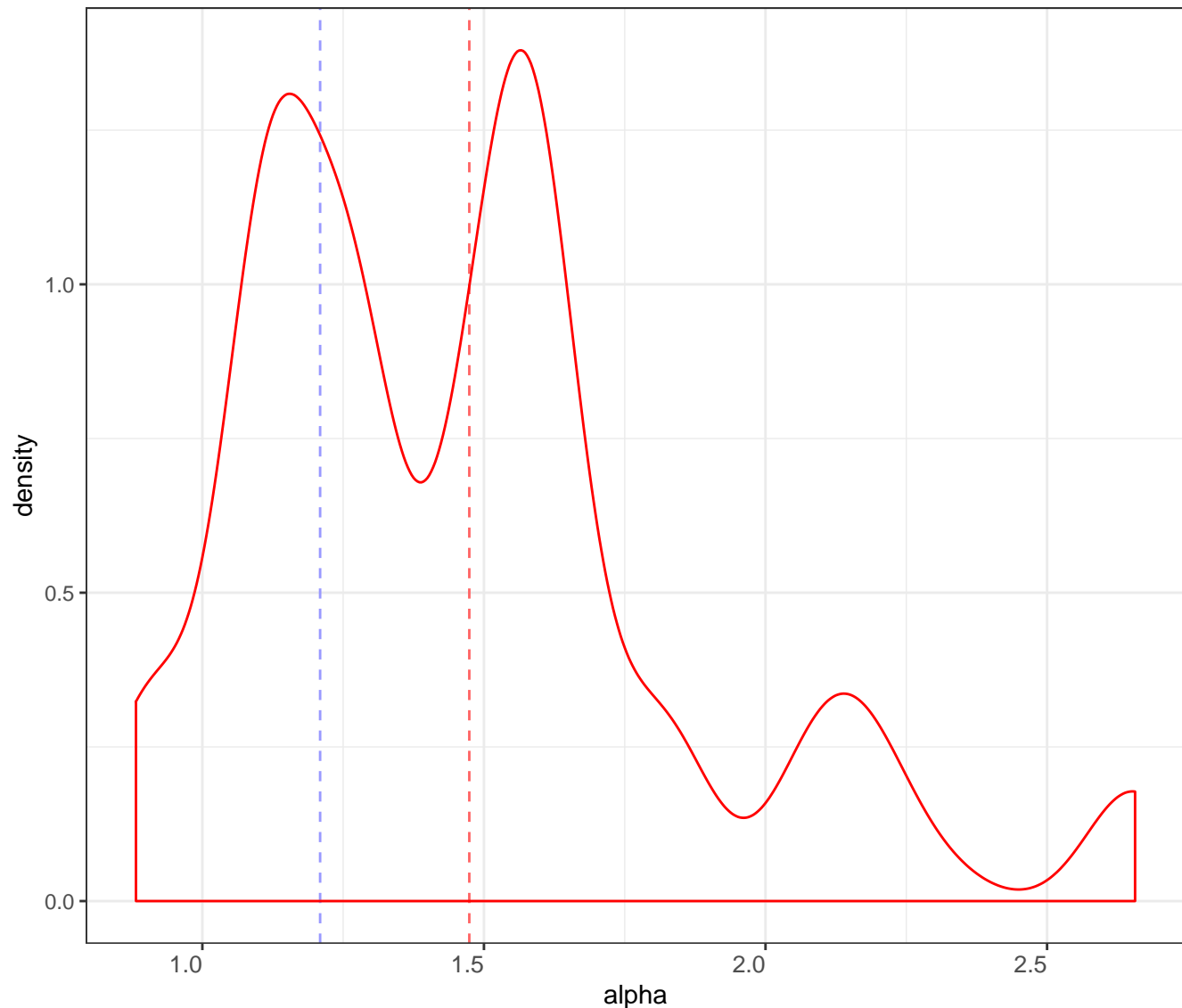
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

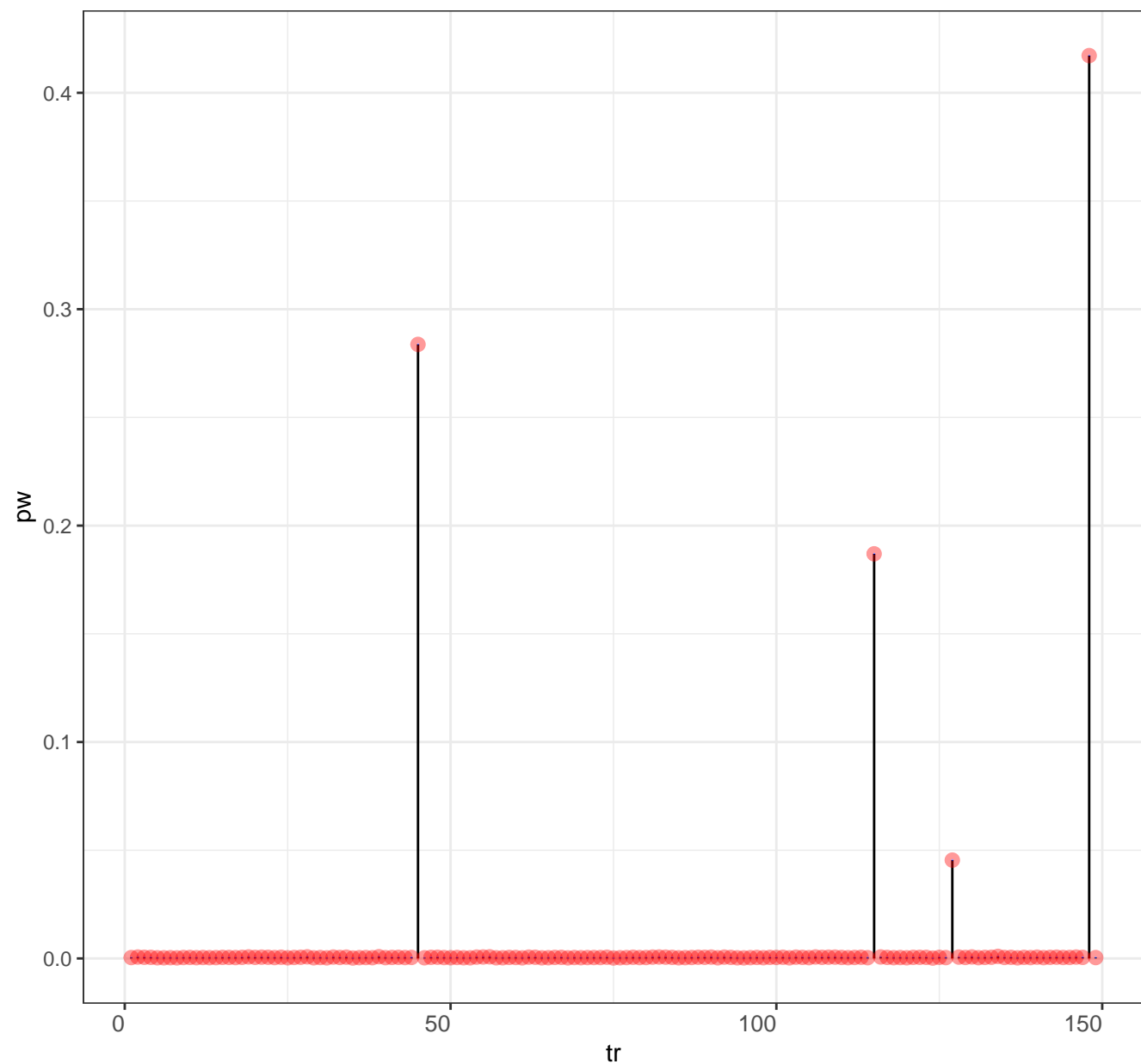
Posterior distribution for alpha

Legend posterior mean prior mean



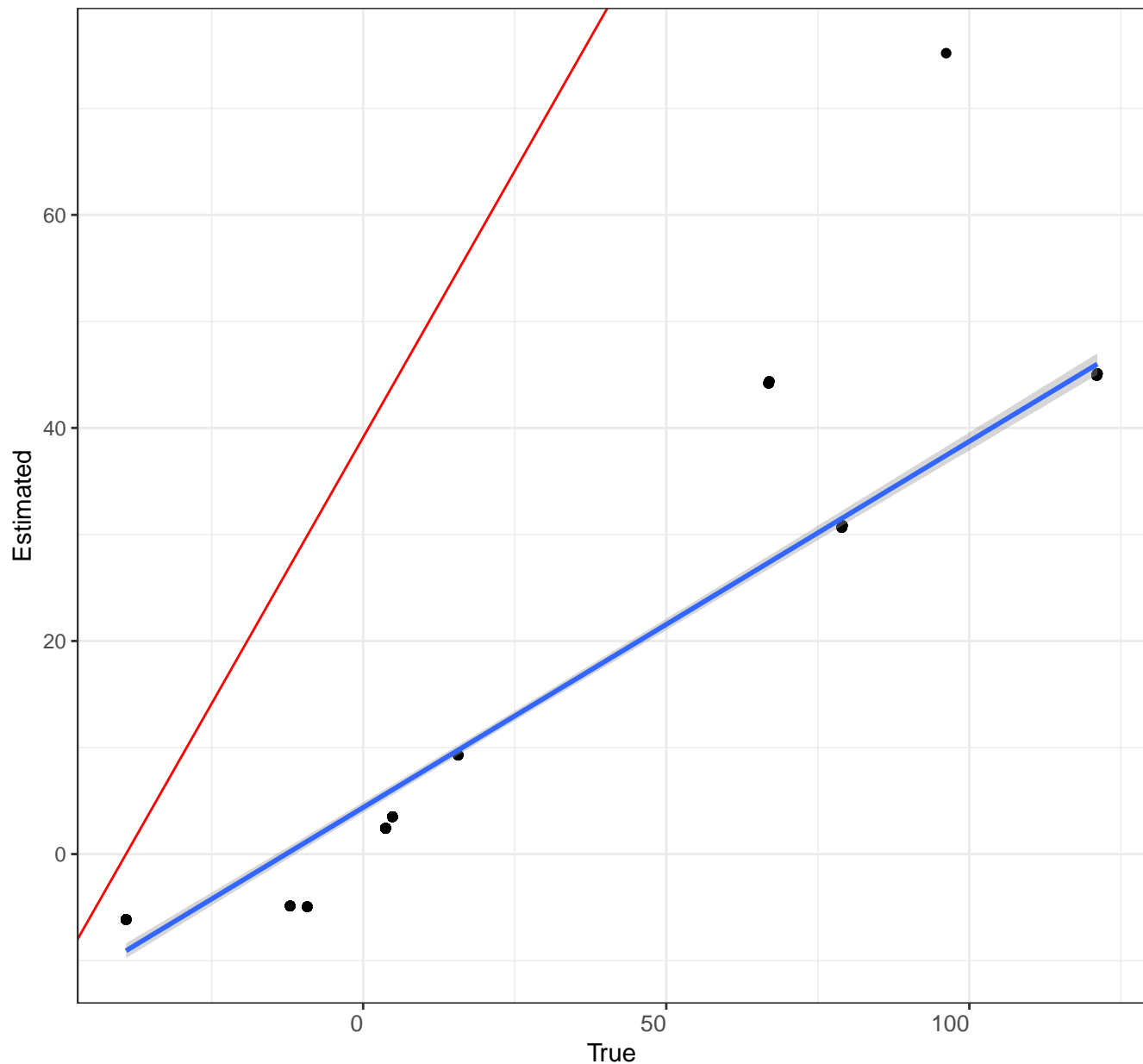
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



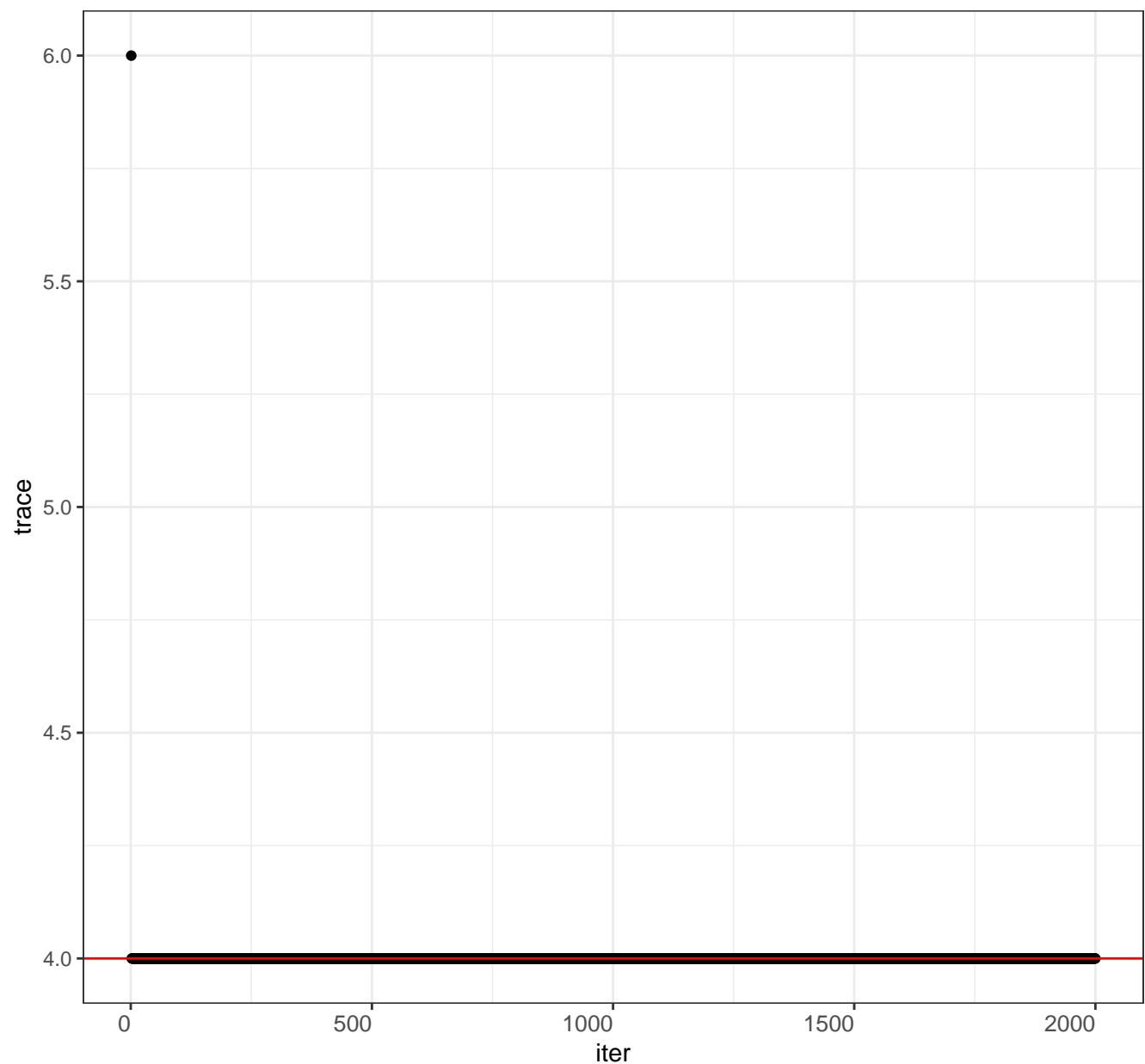
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

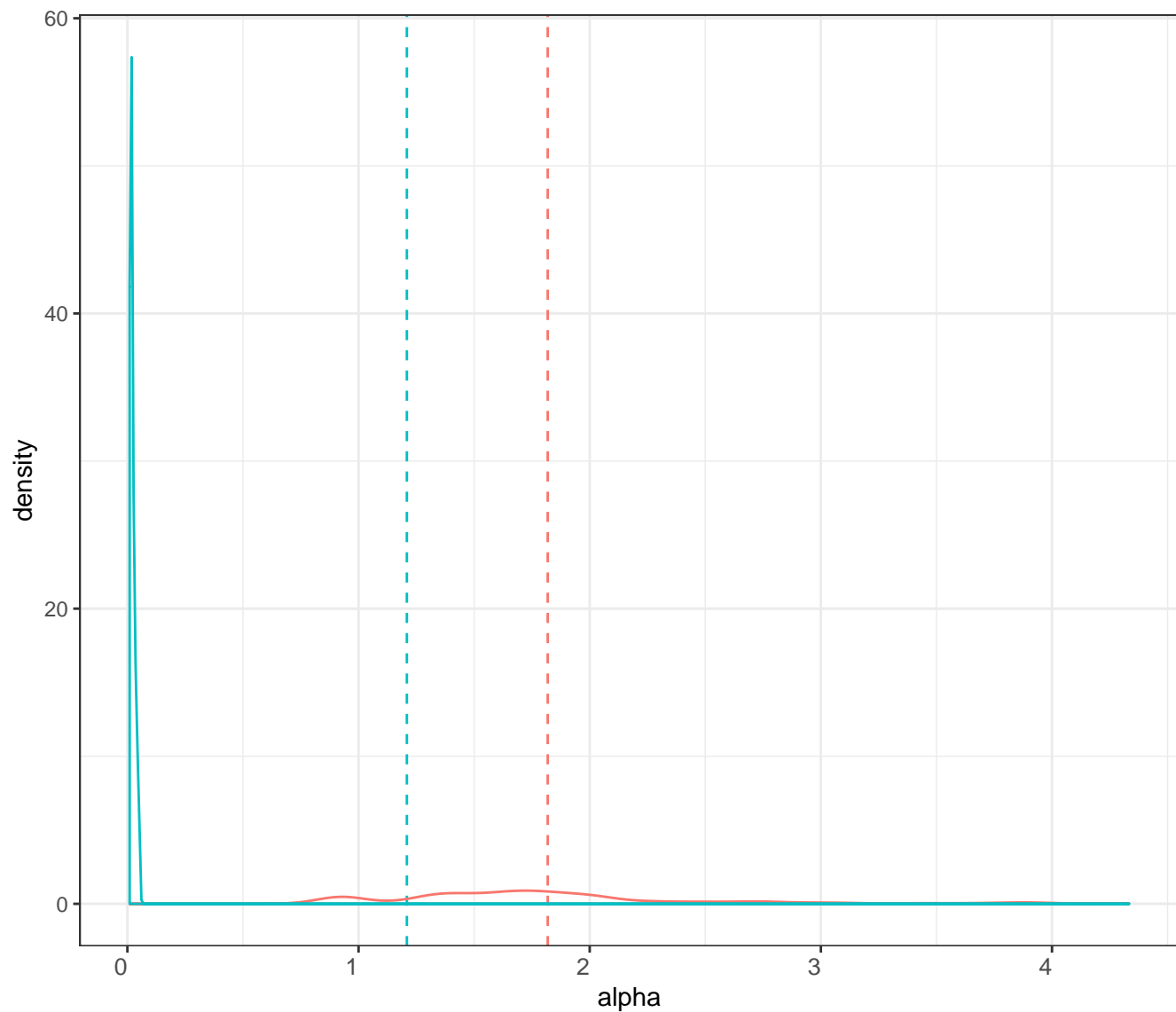
Trace plot for the number of groups K for S=20 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=20 ,r=20 true gr K=4 ,type=2 ,N=150

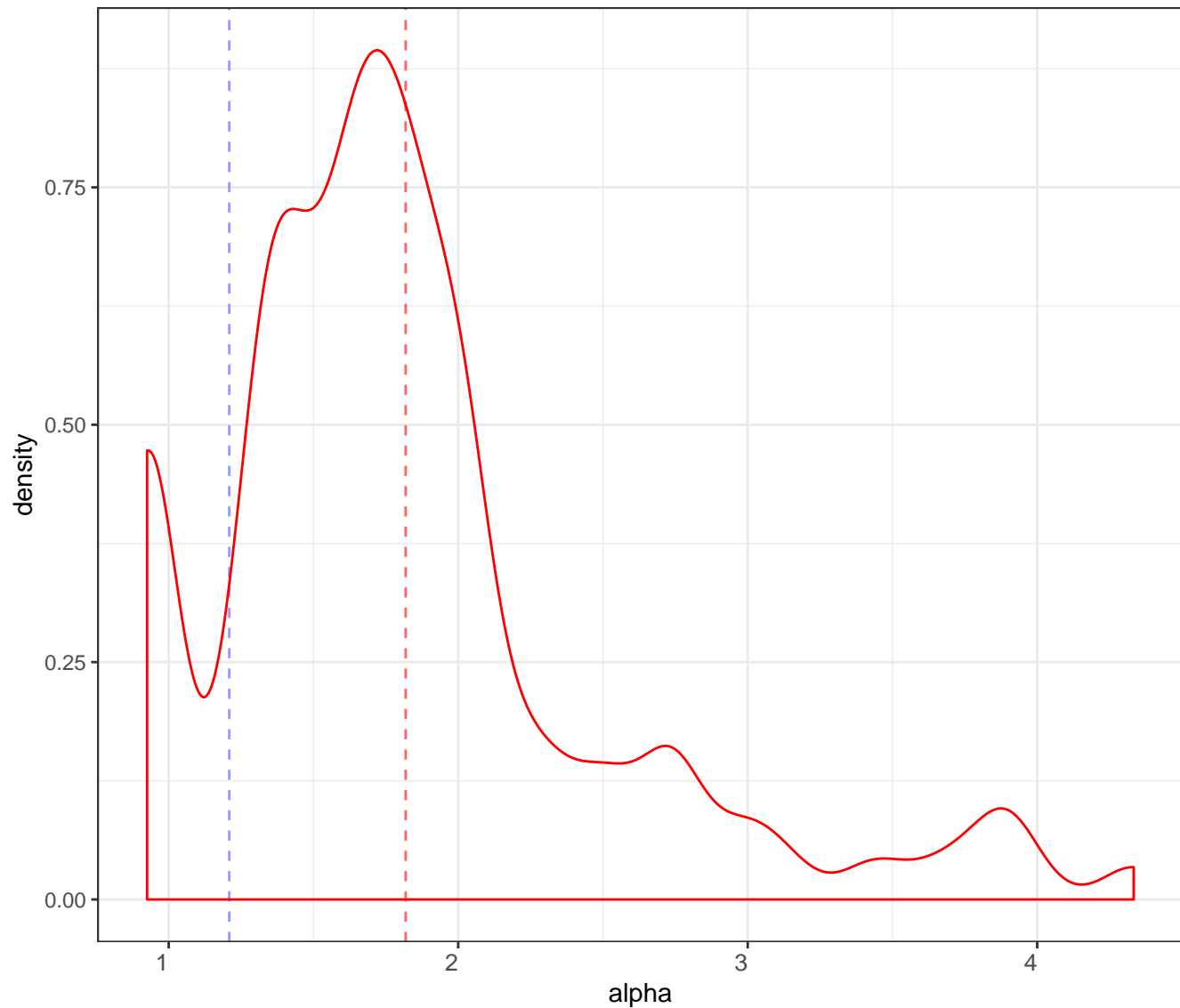
type ┆┆┆ posterior ┆┆┆ prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

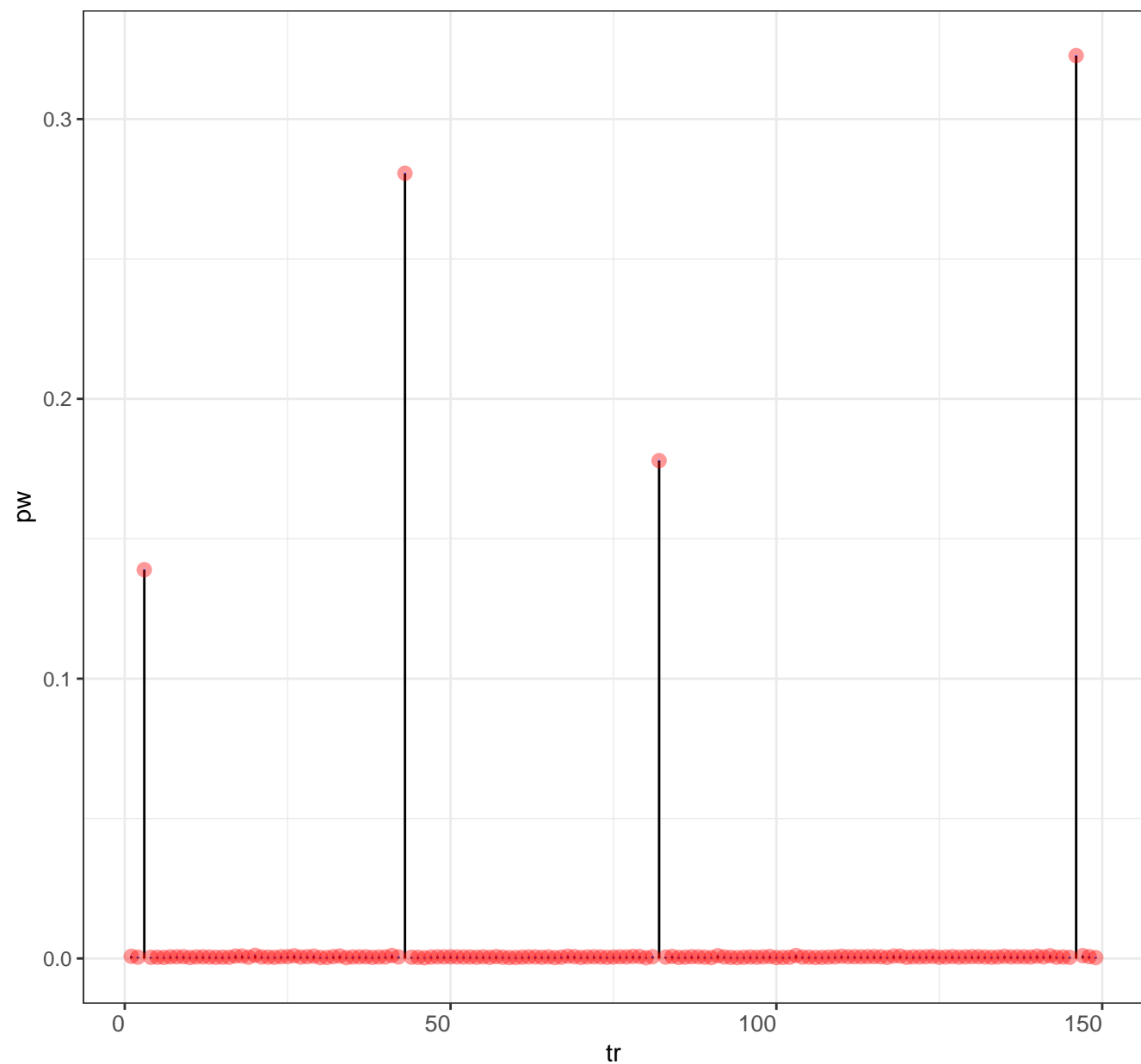
Posterior distribution for alpha

Legend posterior mean prior mean



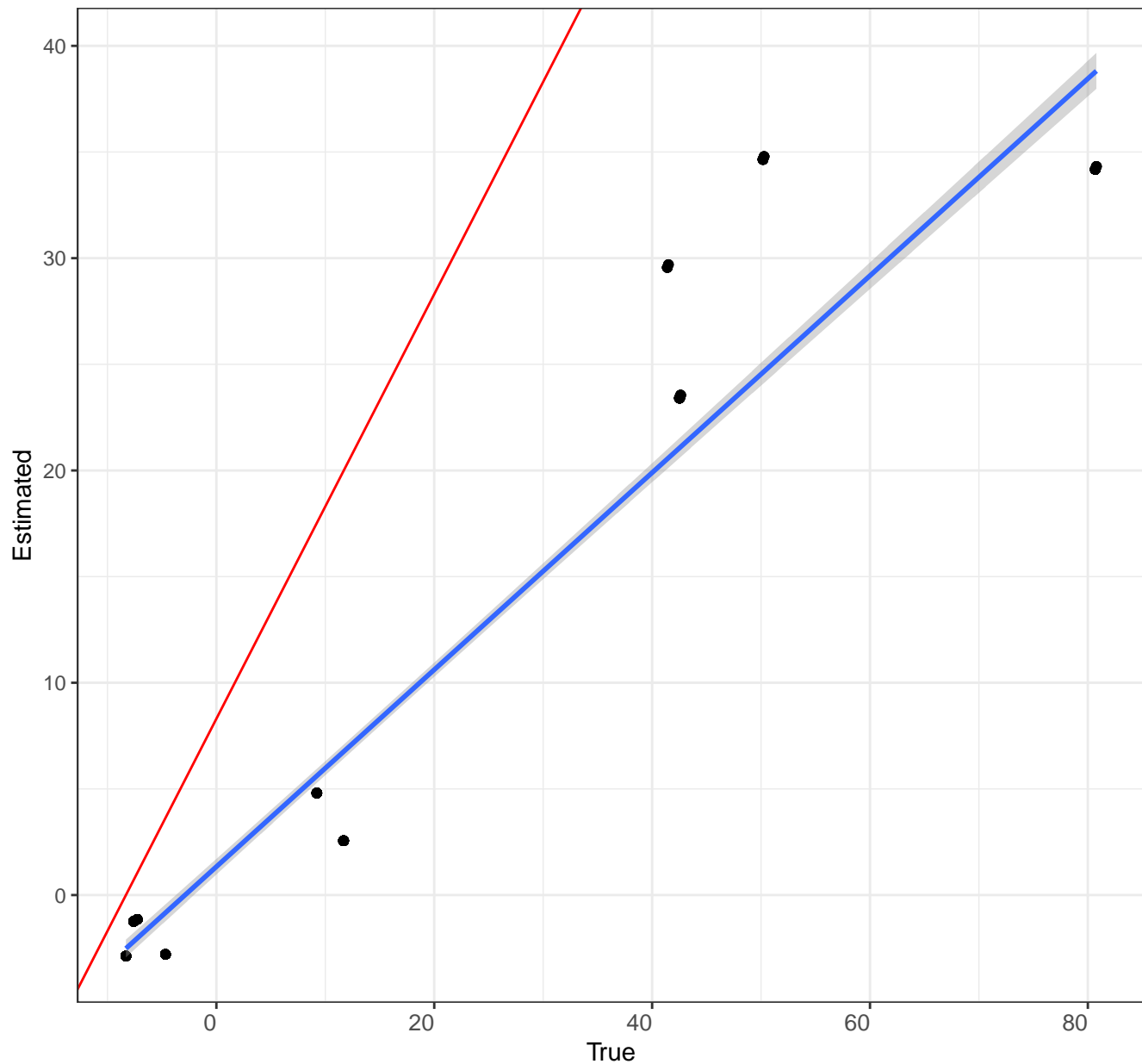
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=20 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=20$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



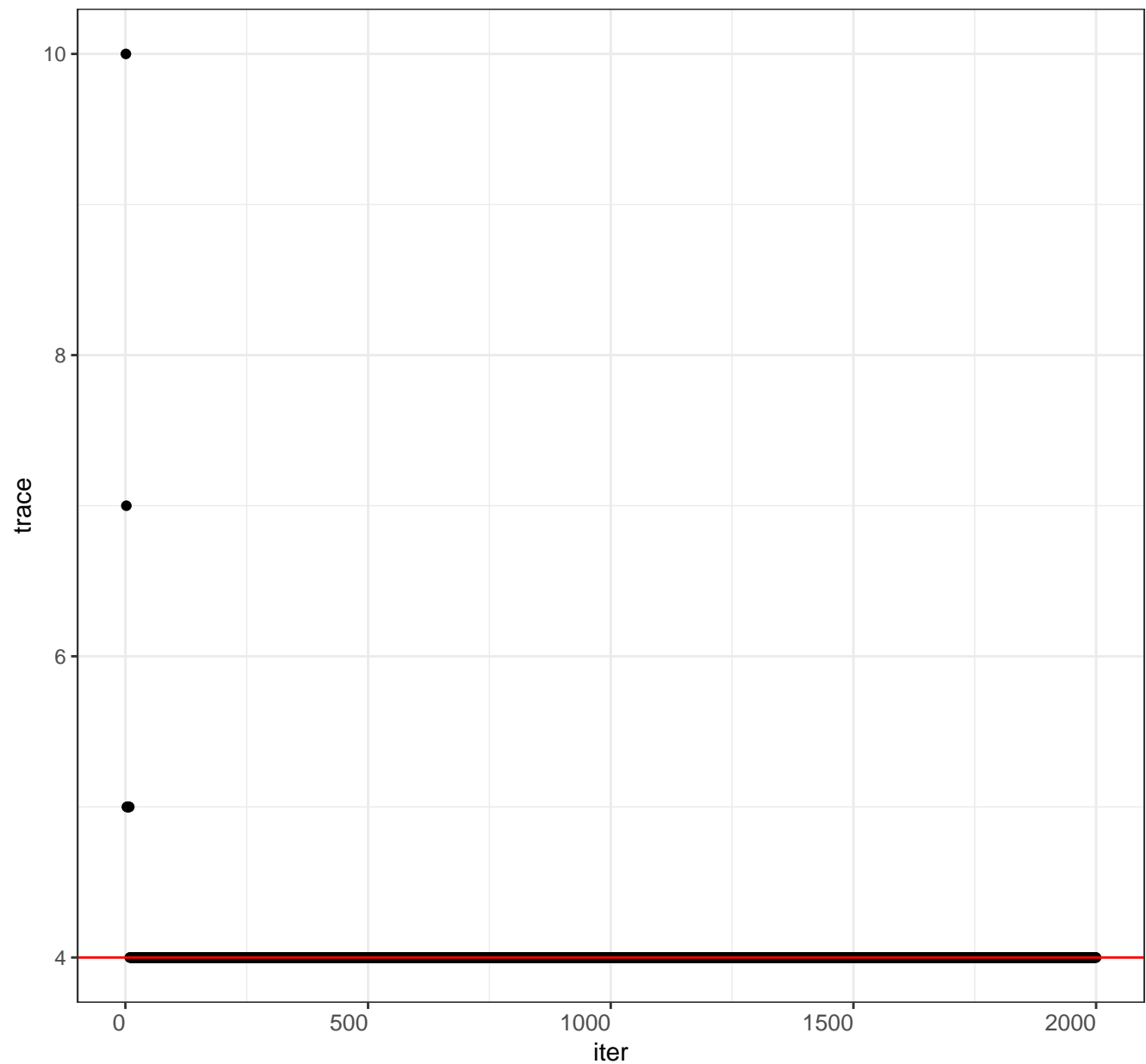
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=20 r=20 true K=4 type=2

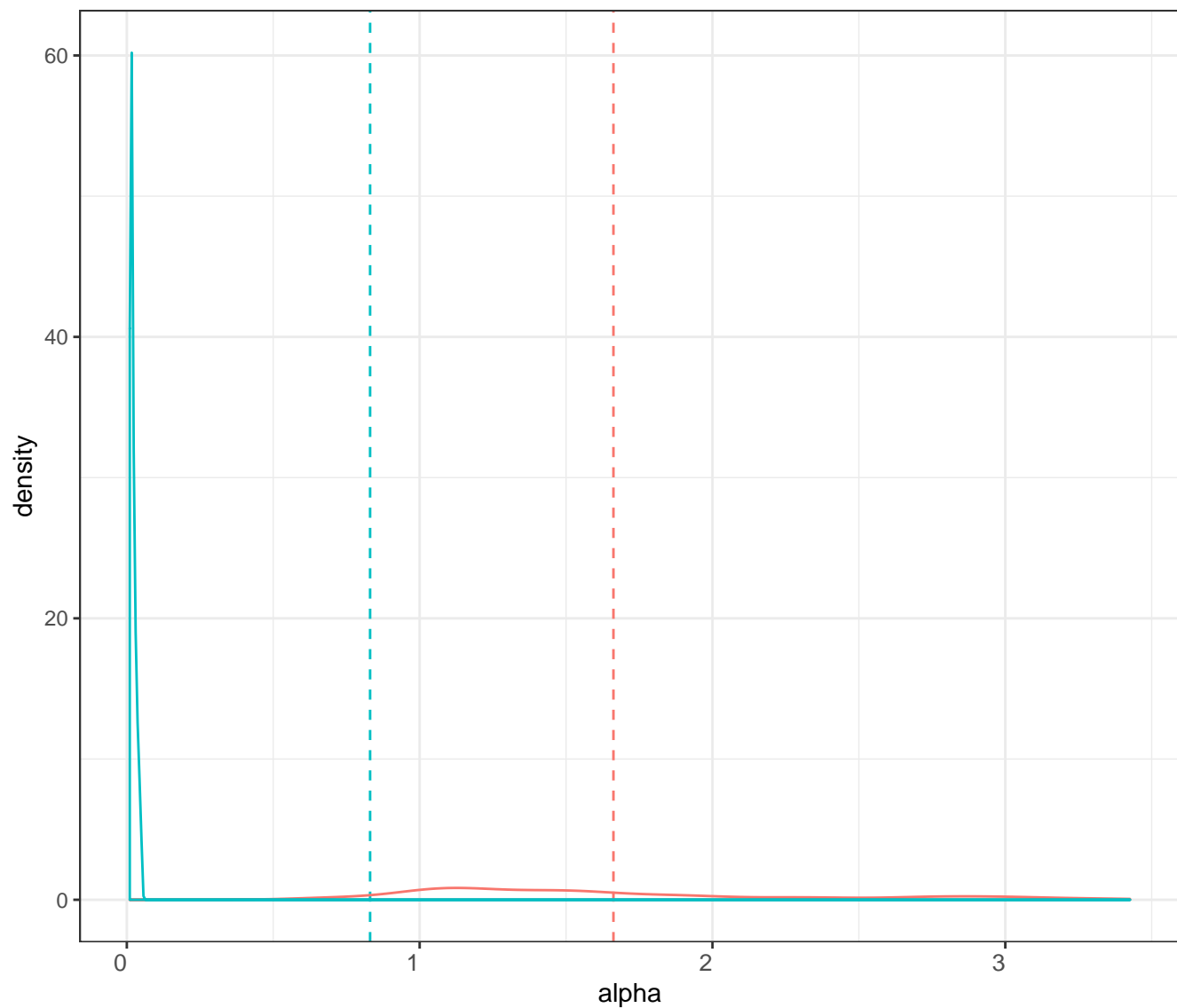
Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

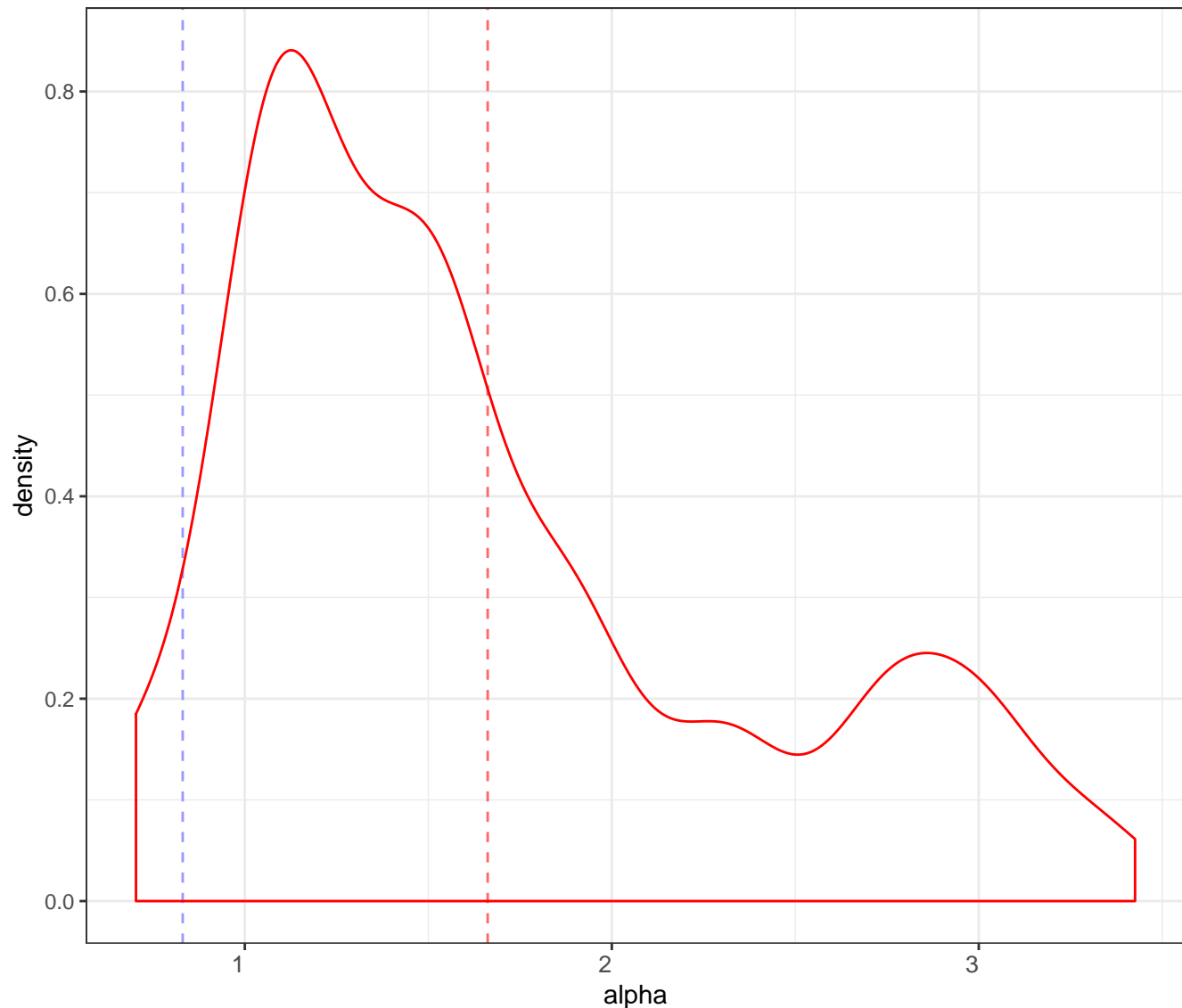
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

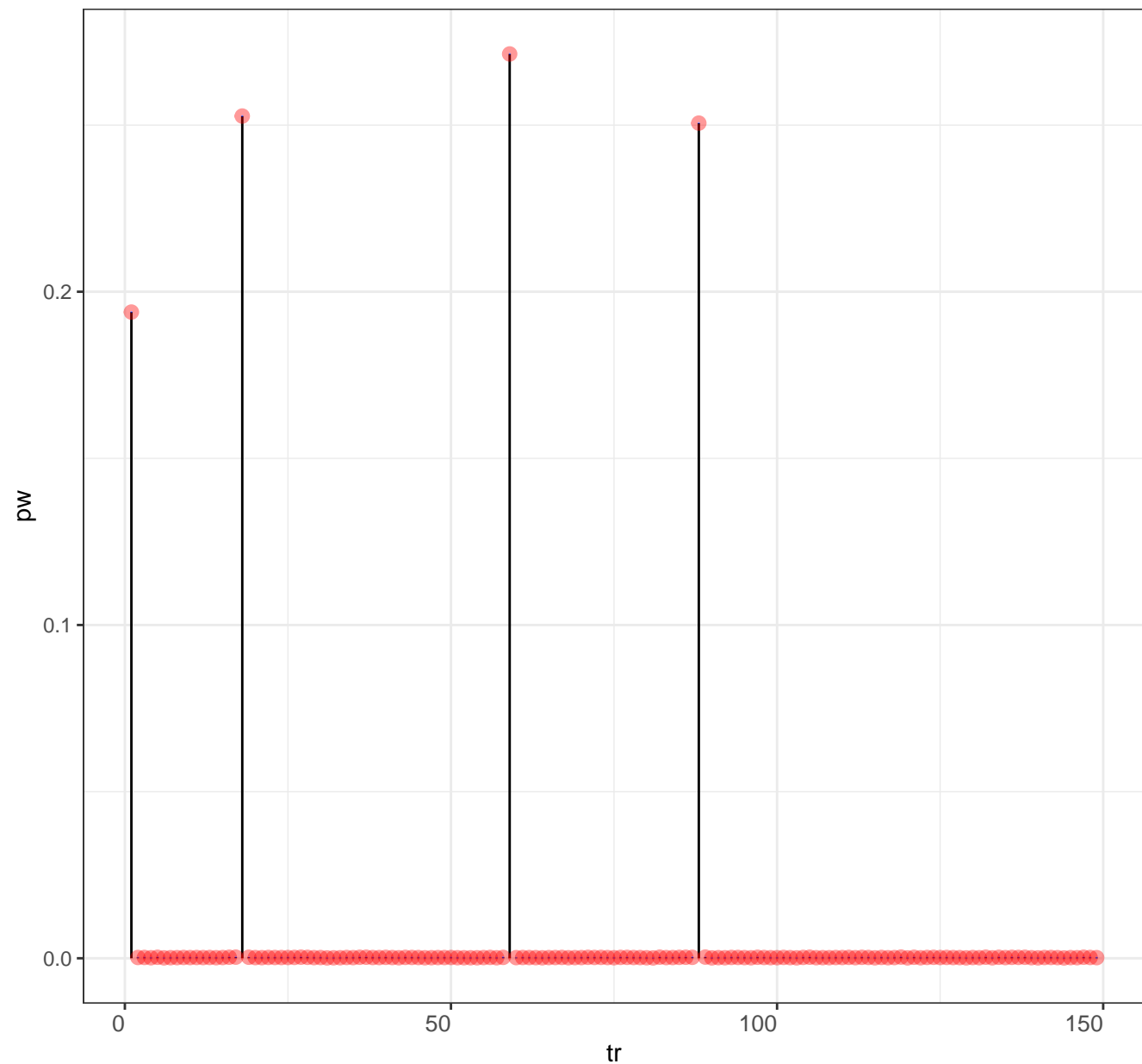
Posterior distribution for alpha

Legend posterior mean prior mean



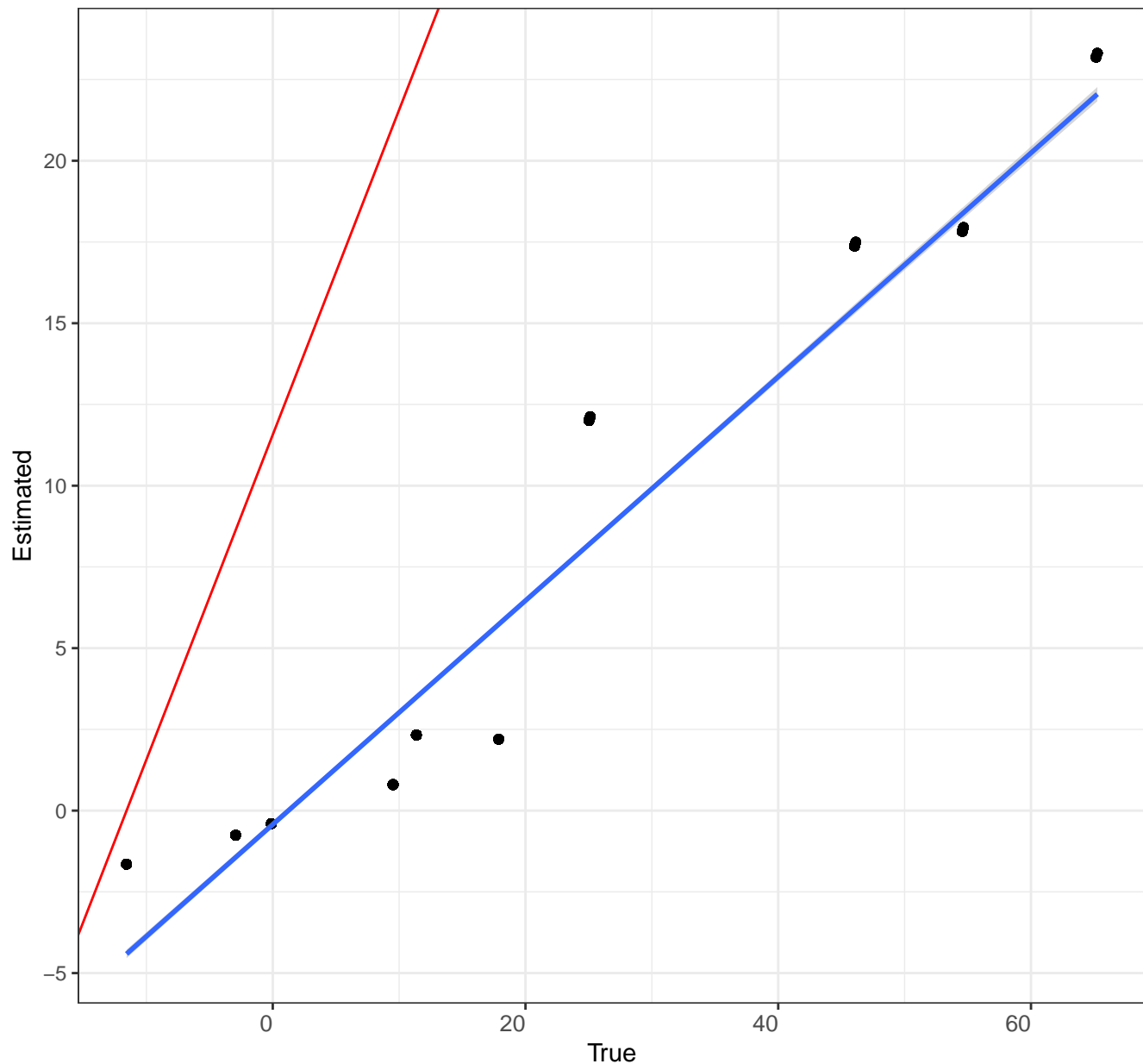
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



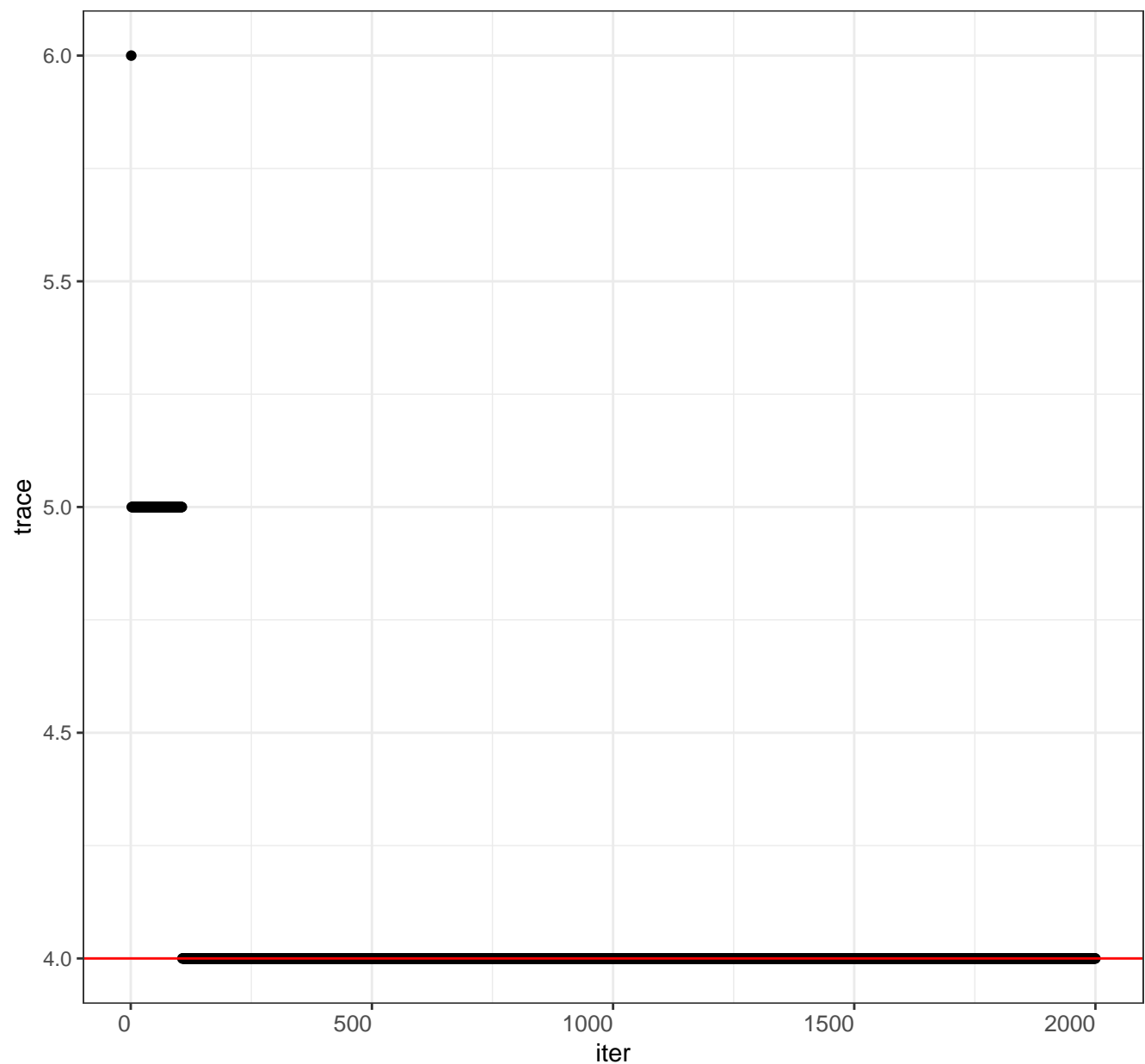
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

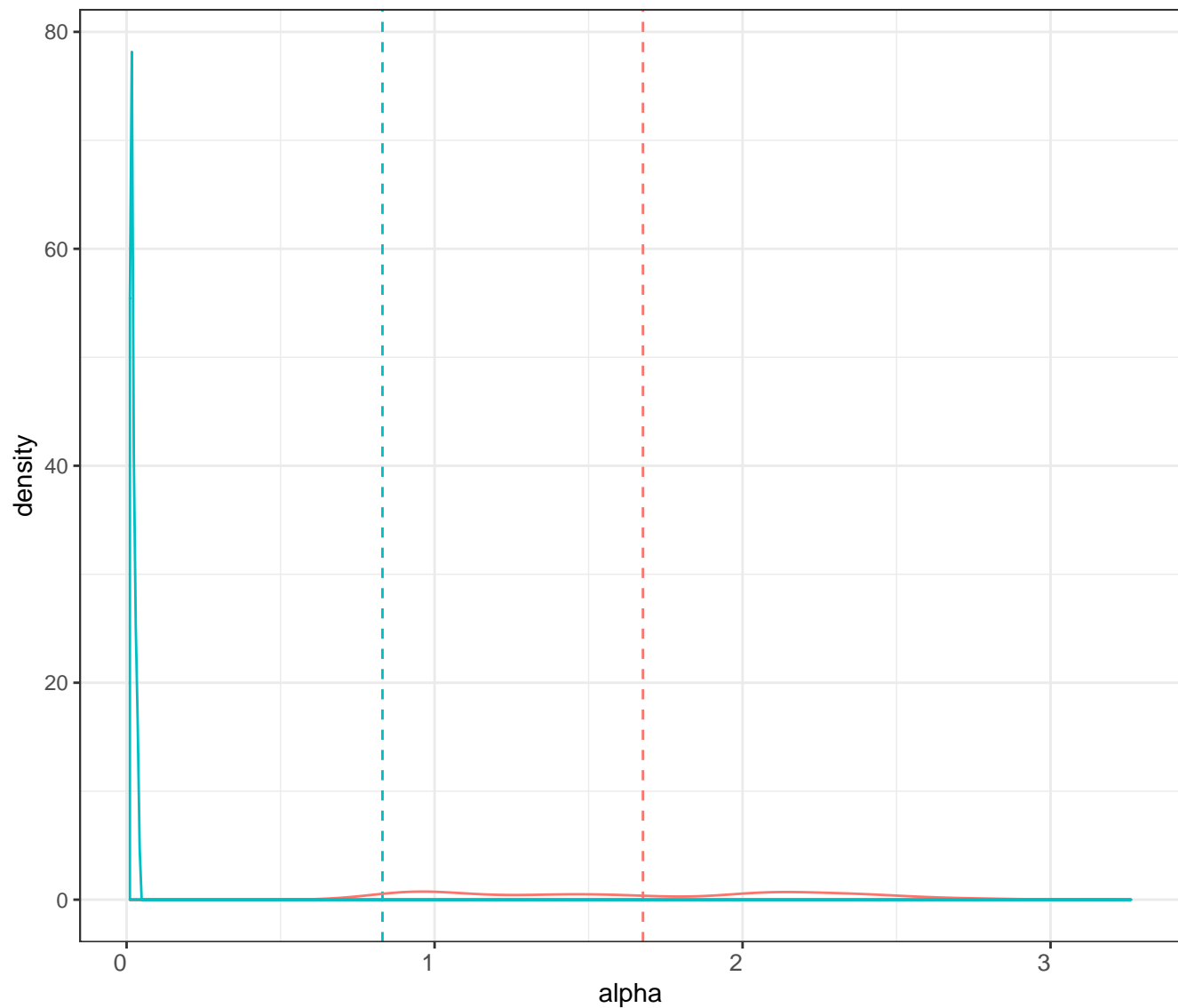
Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

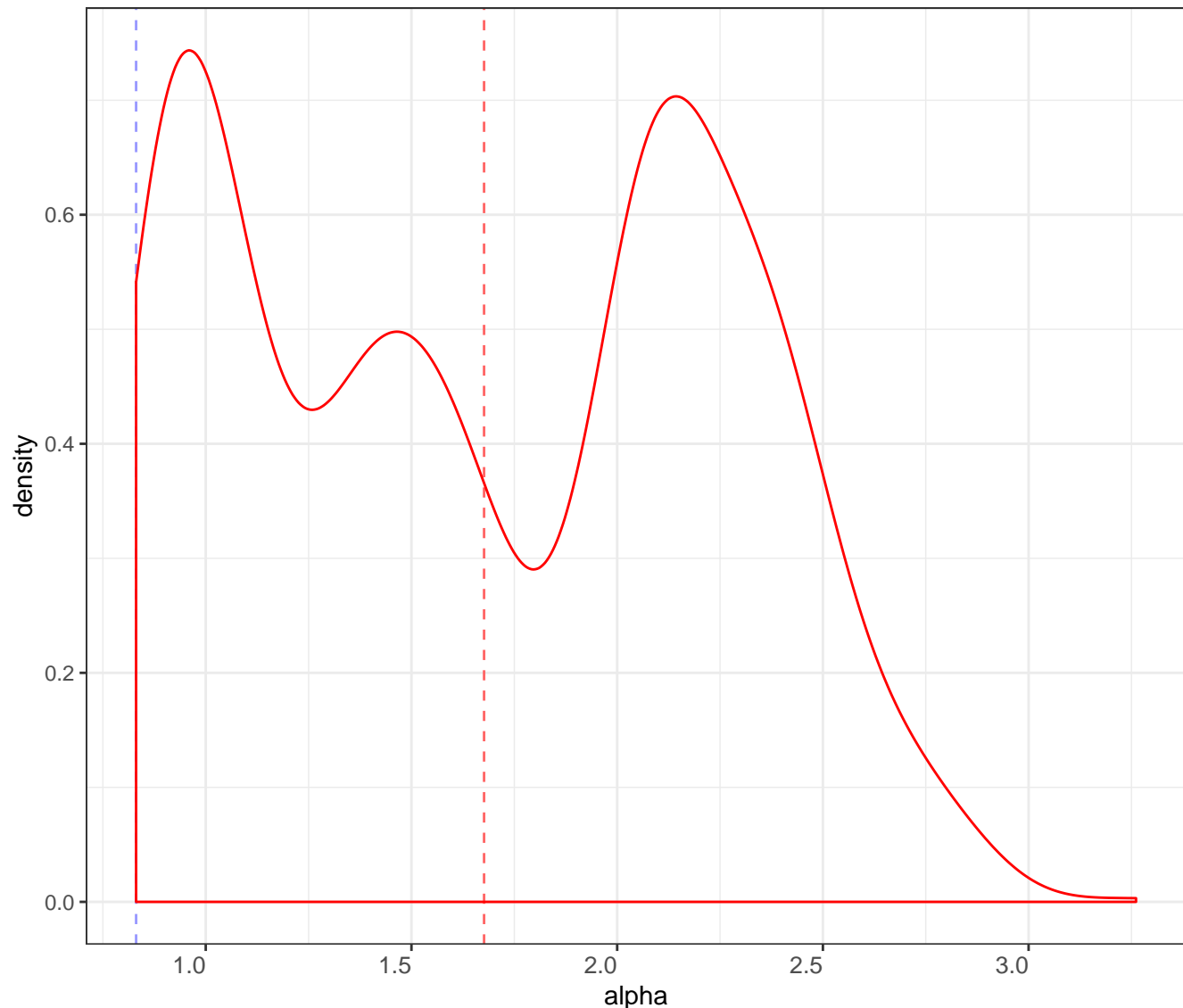
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

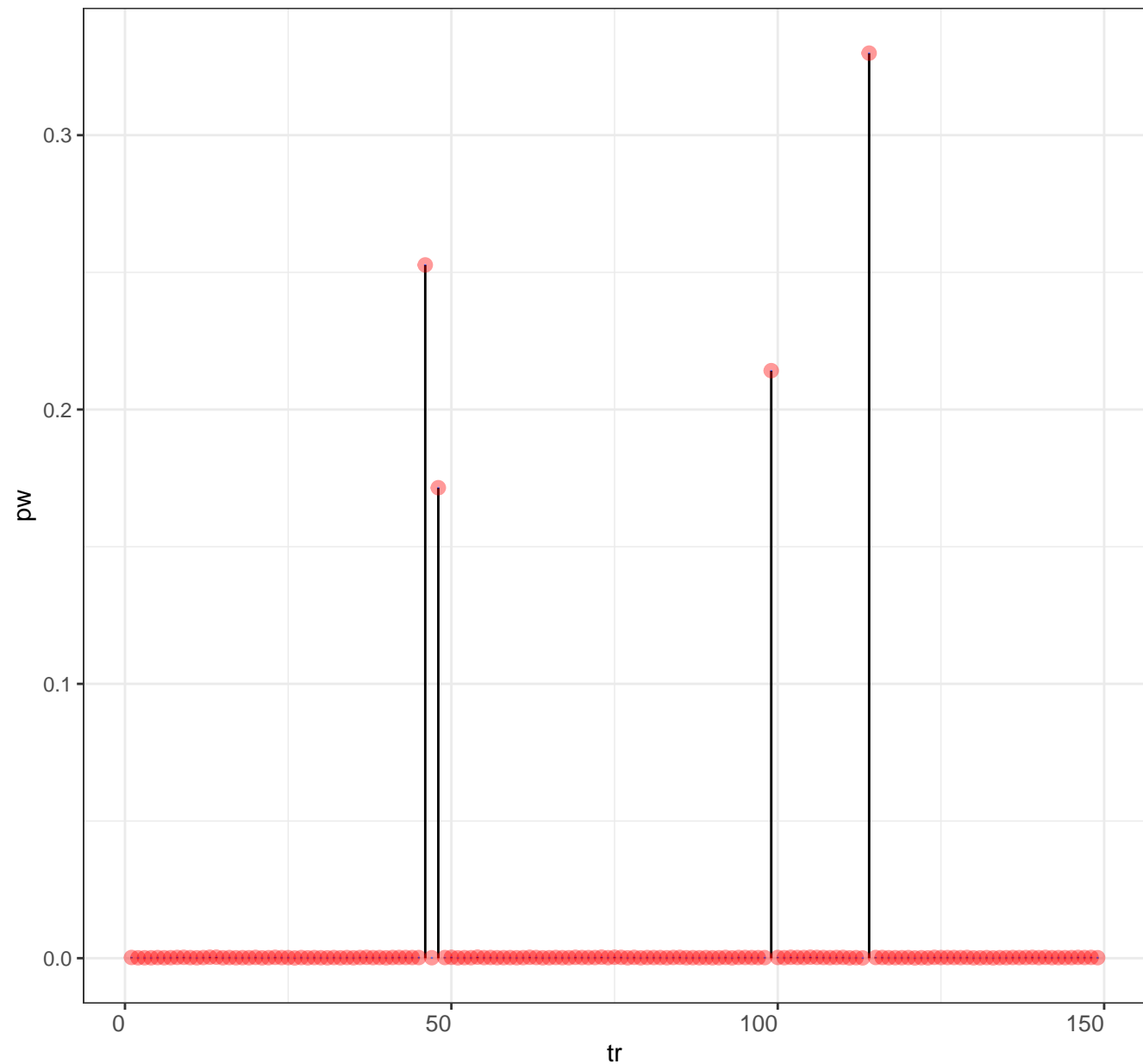
Posterior distribution for alpha

Legend posterior mean prior mean



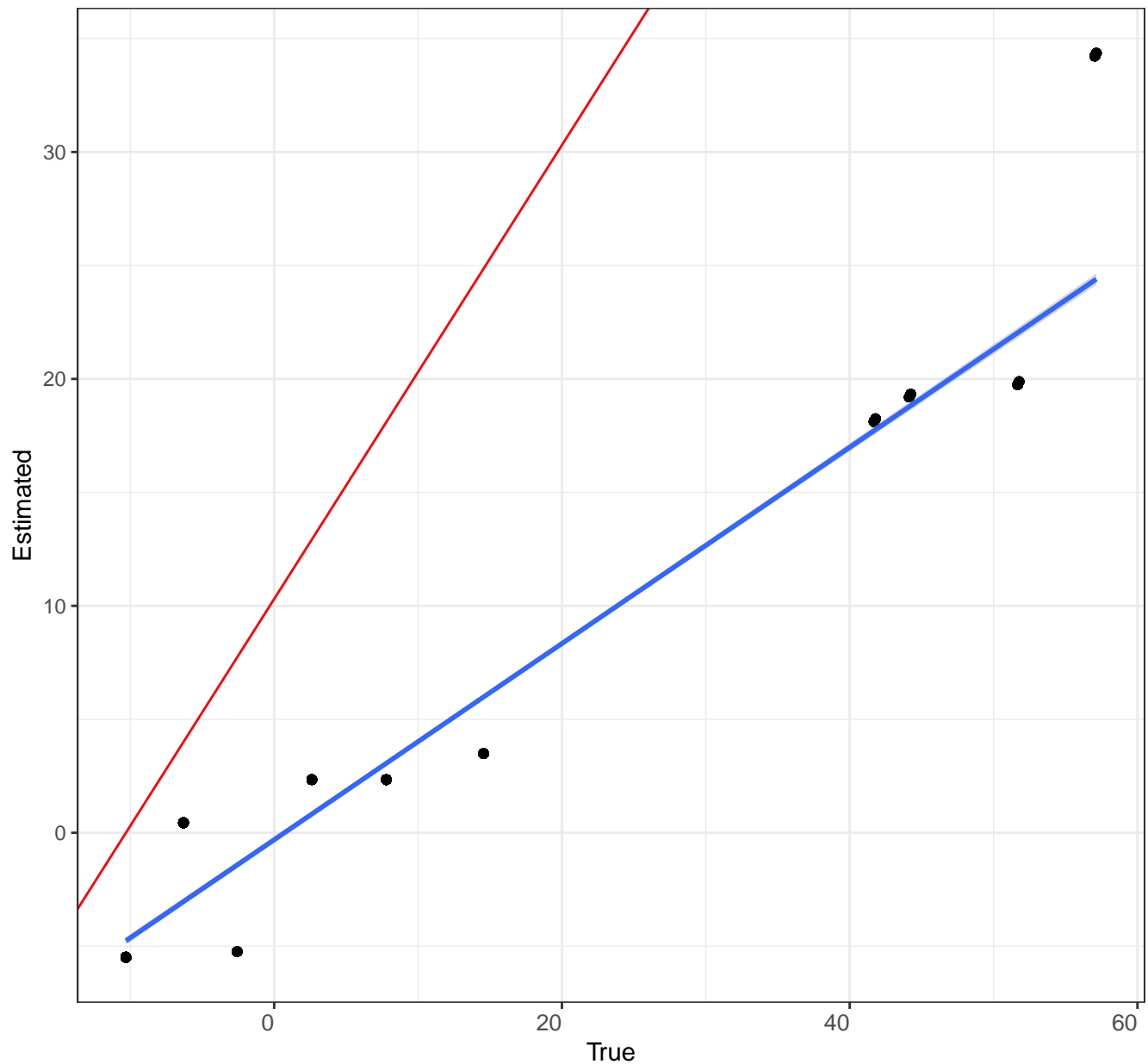
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



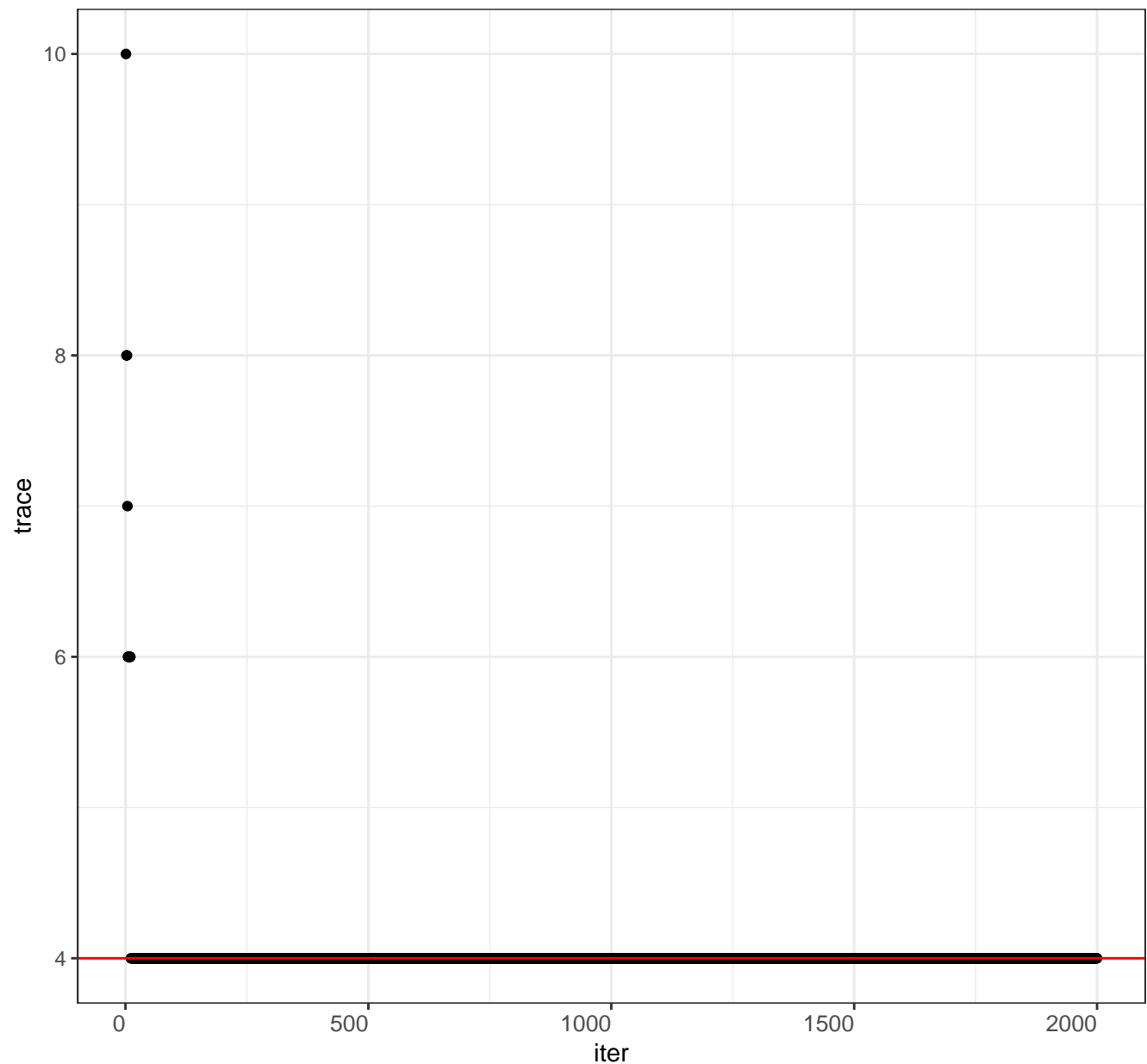
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

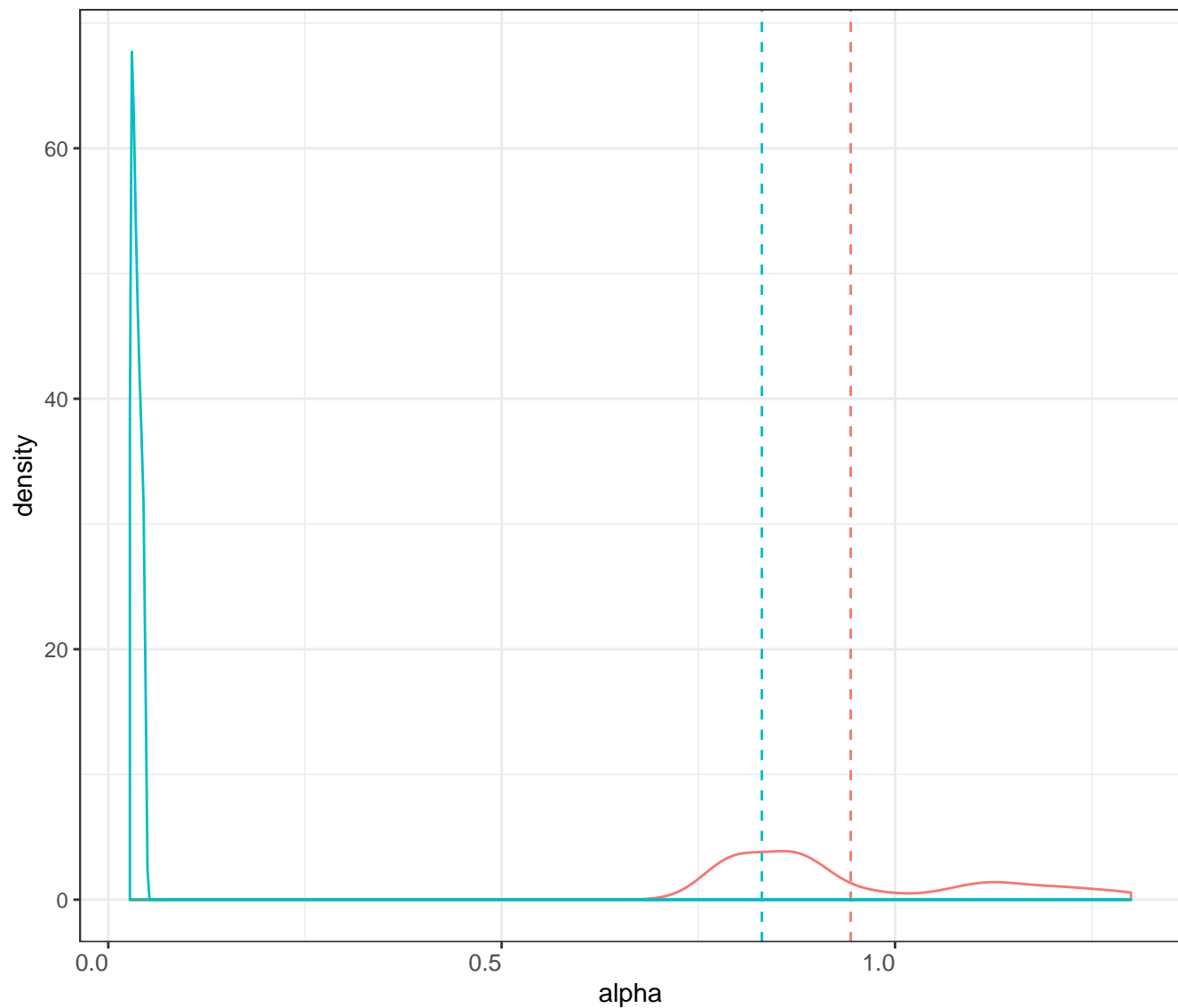
Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

type  posterior  prior



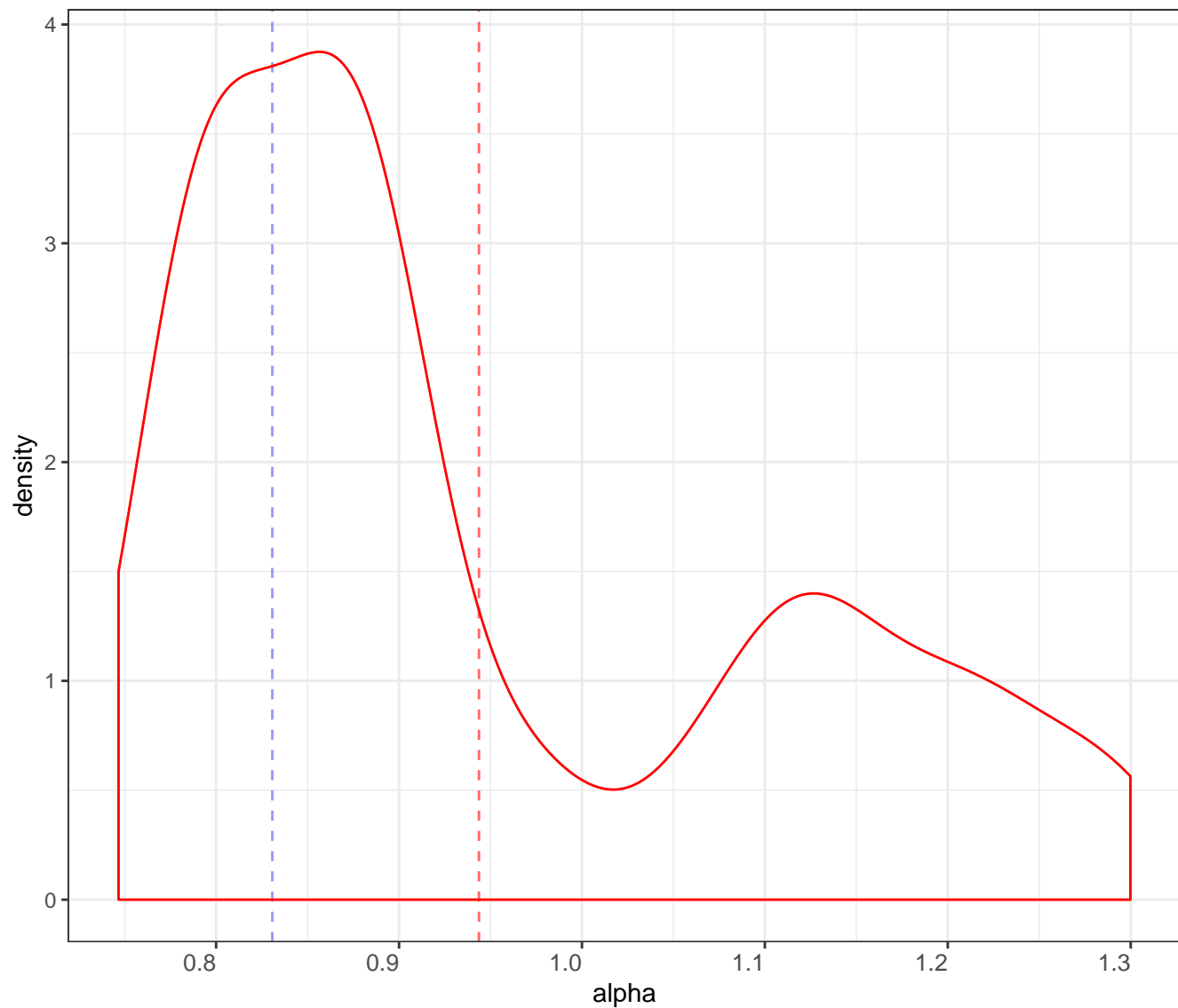
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

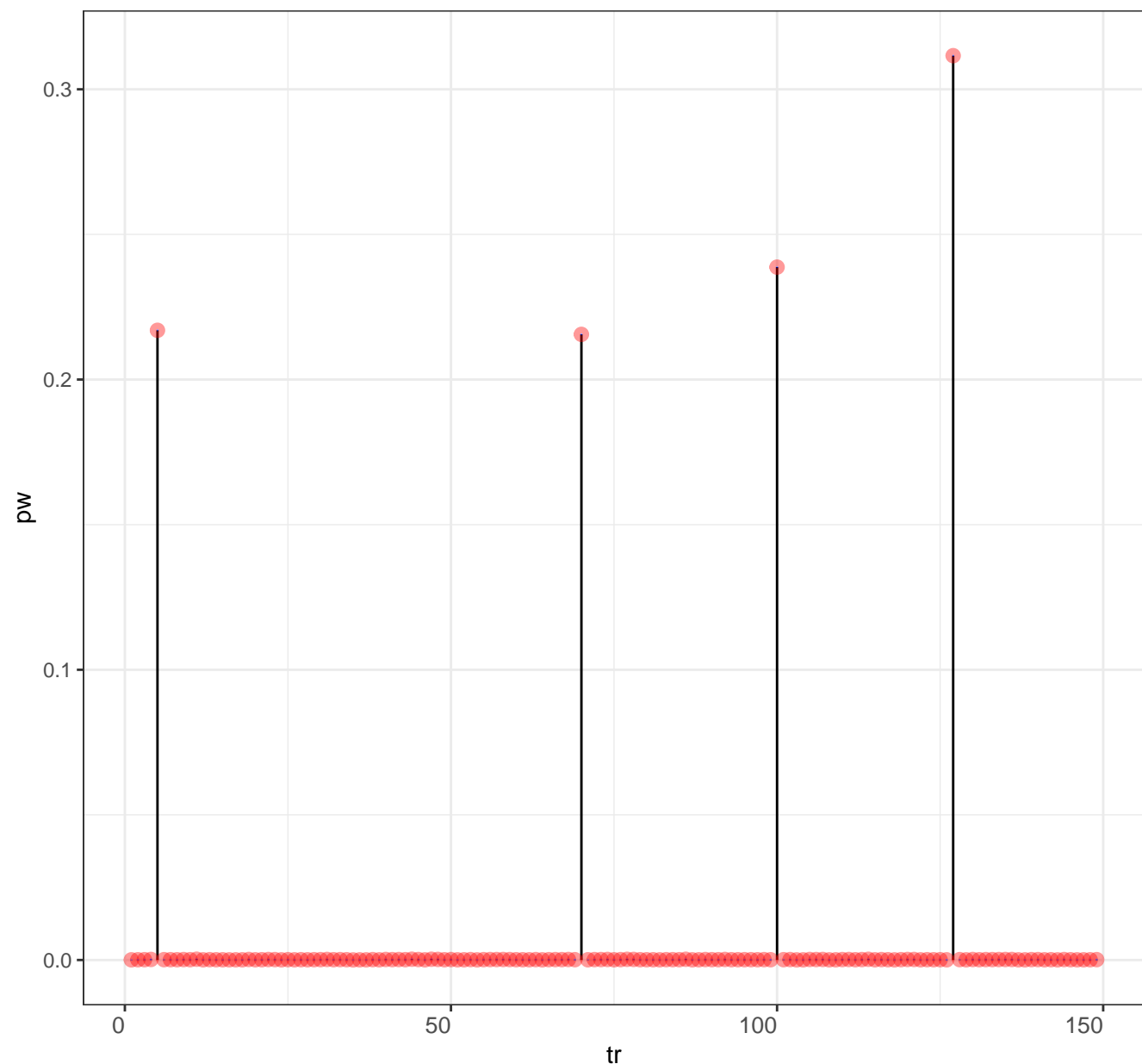
posterior mean

prior mean



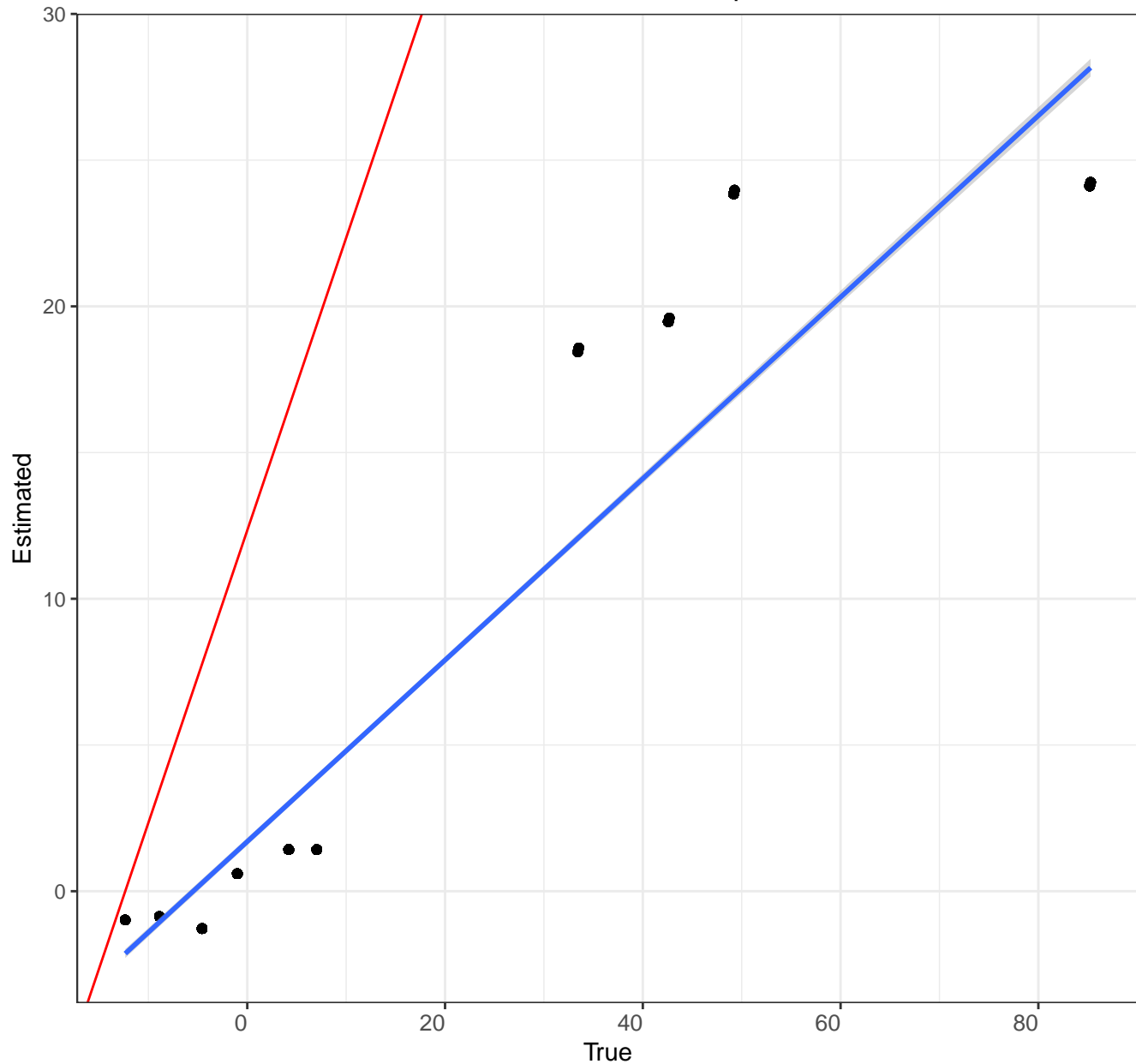
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



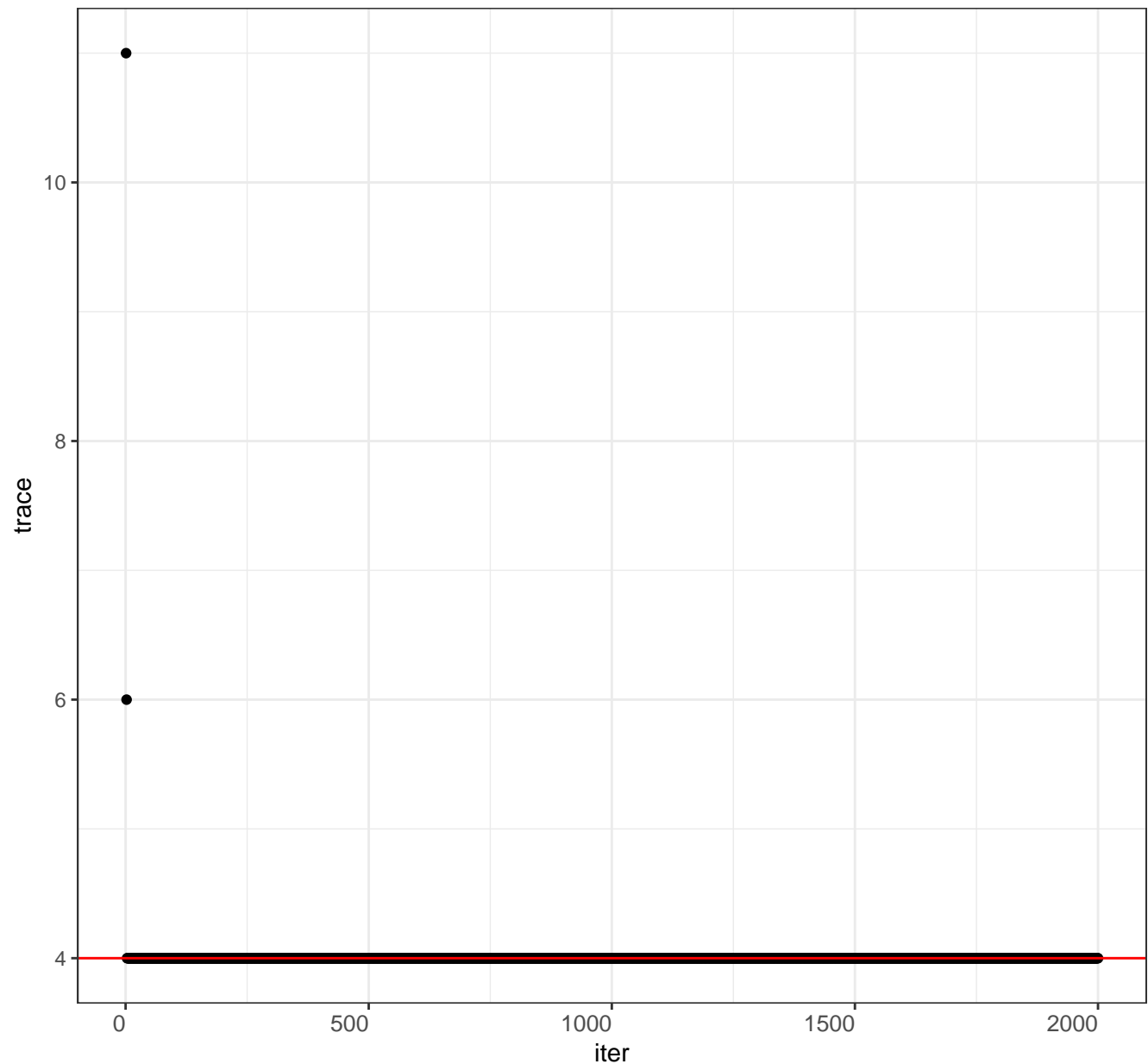
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

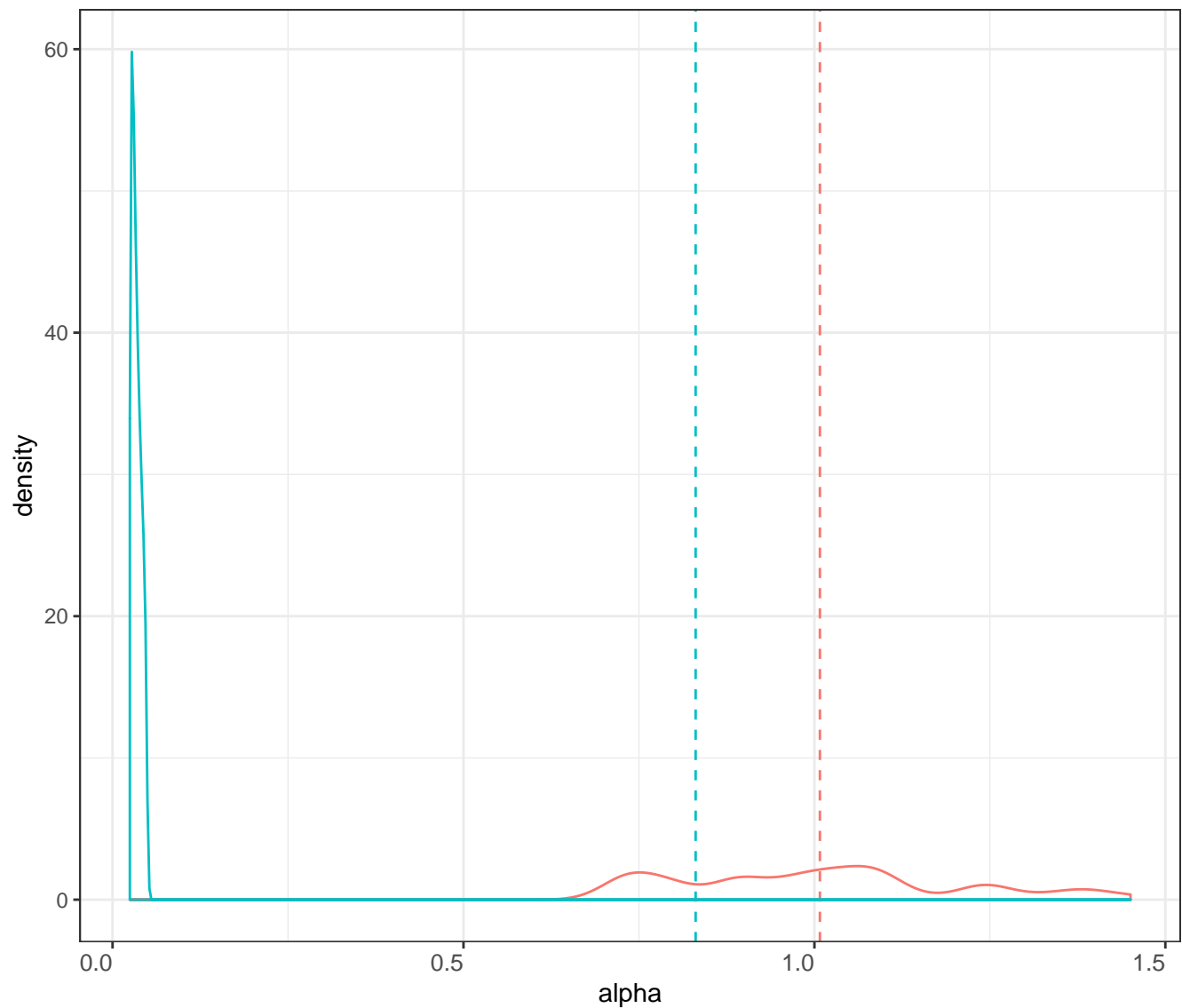
Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000 number of samples: 500

Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

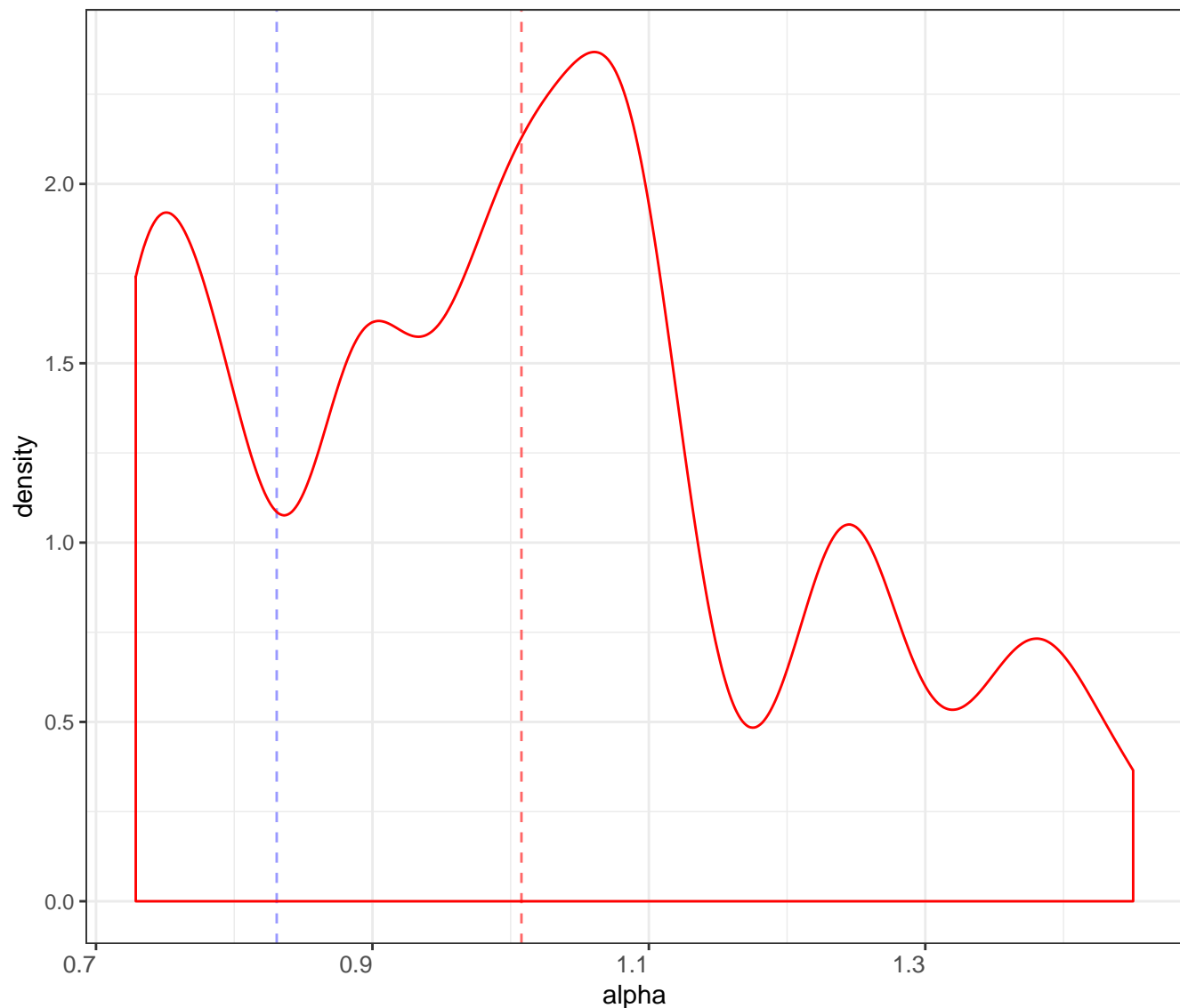
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

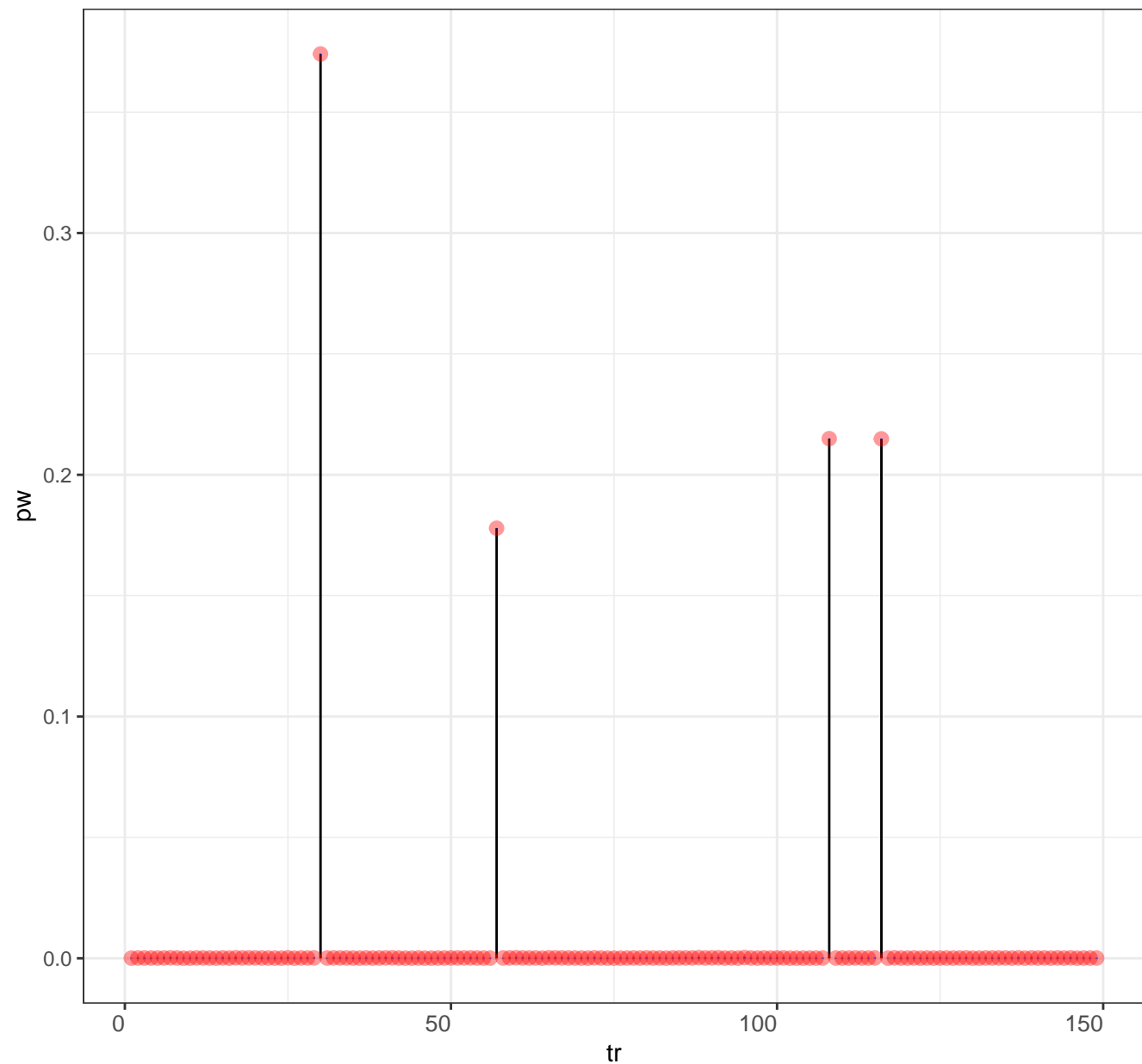
Posterior distribution for alpha

Legend posterior mean prior mean



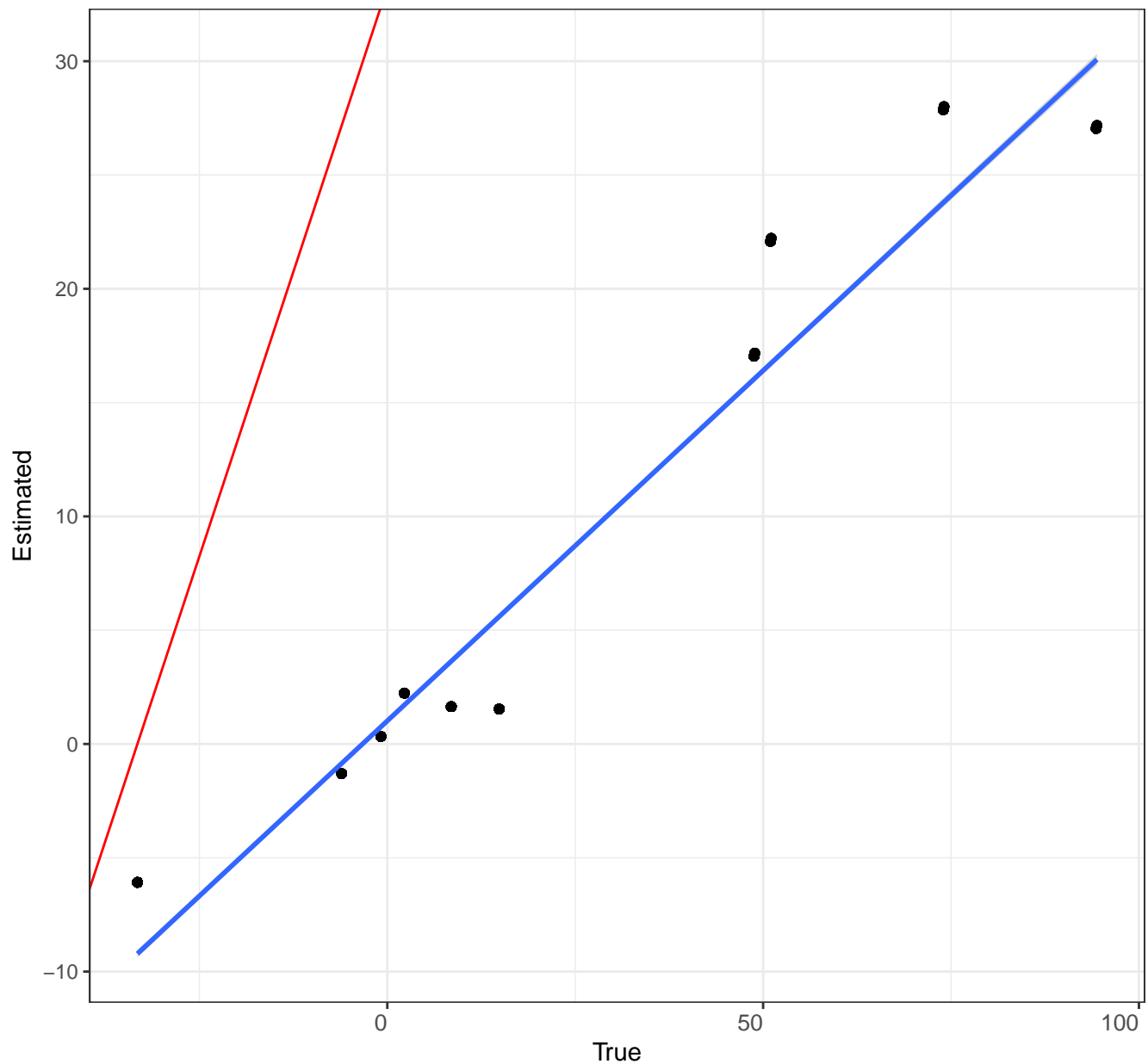
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



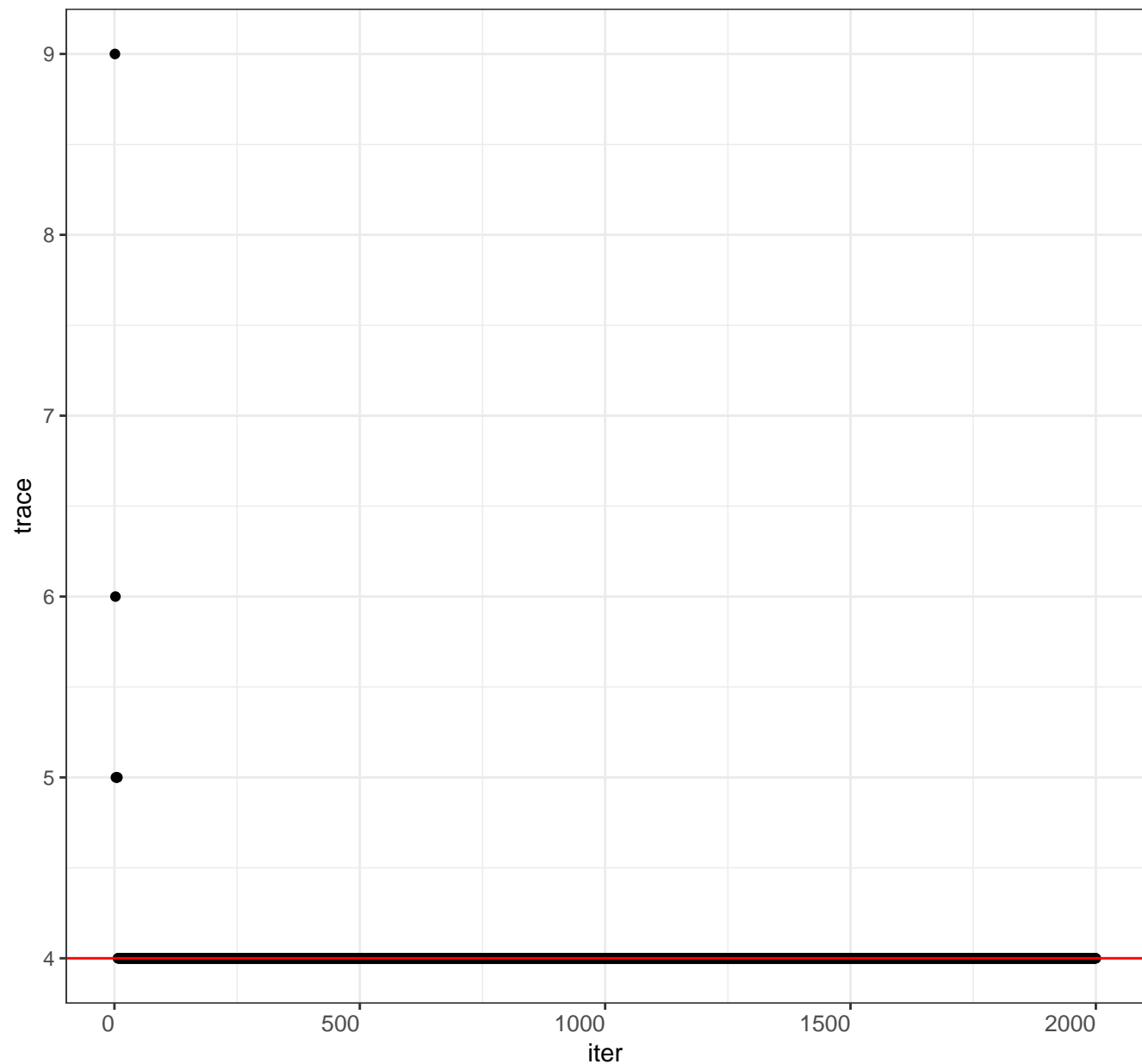
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

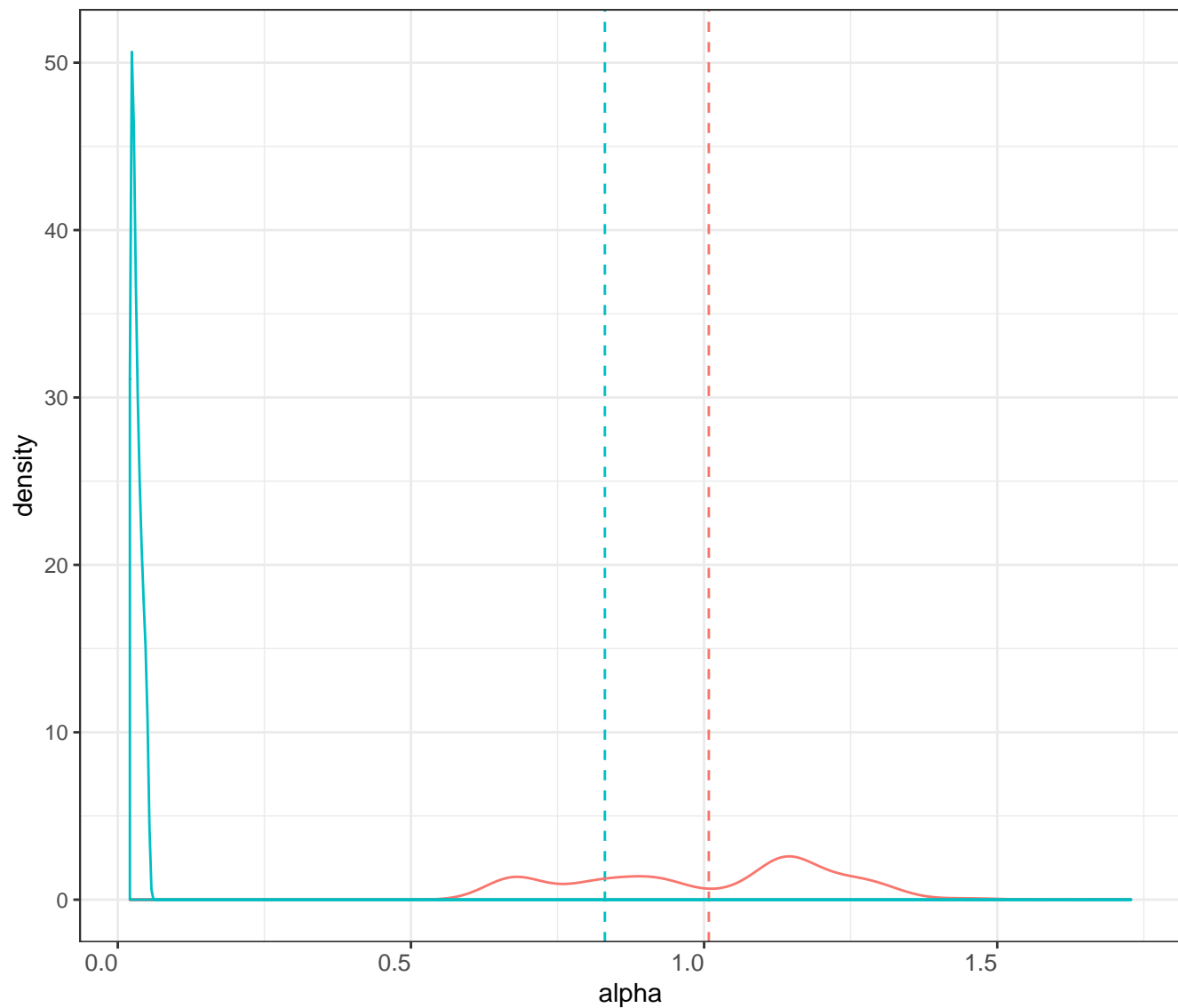
Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000 number of samples: 500

Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

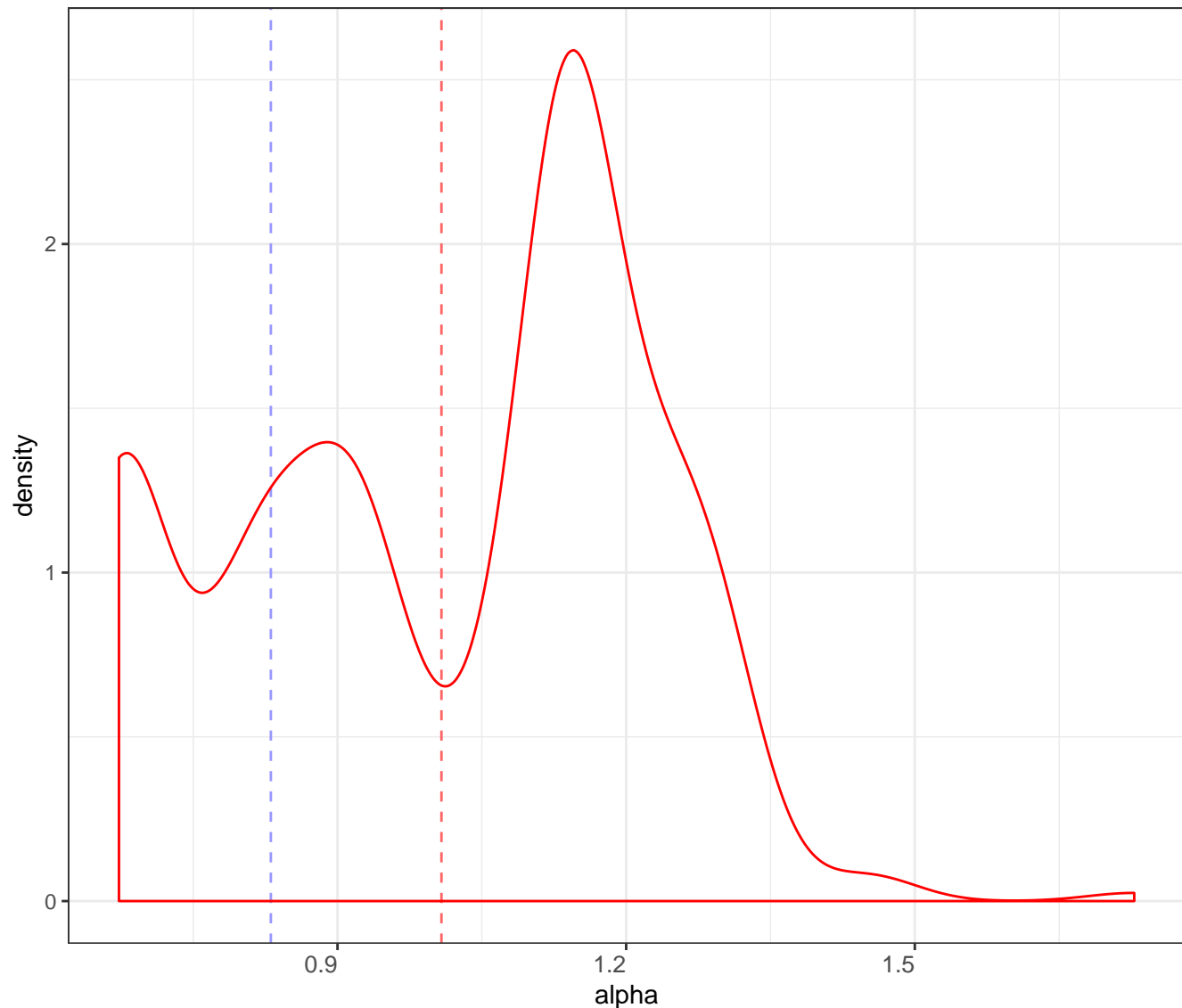
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

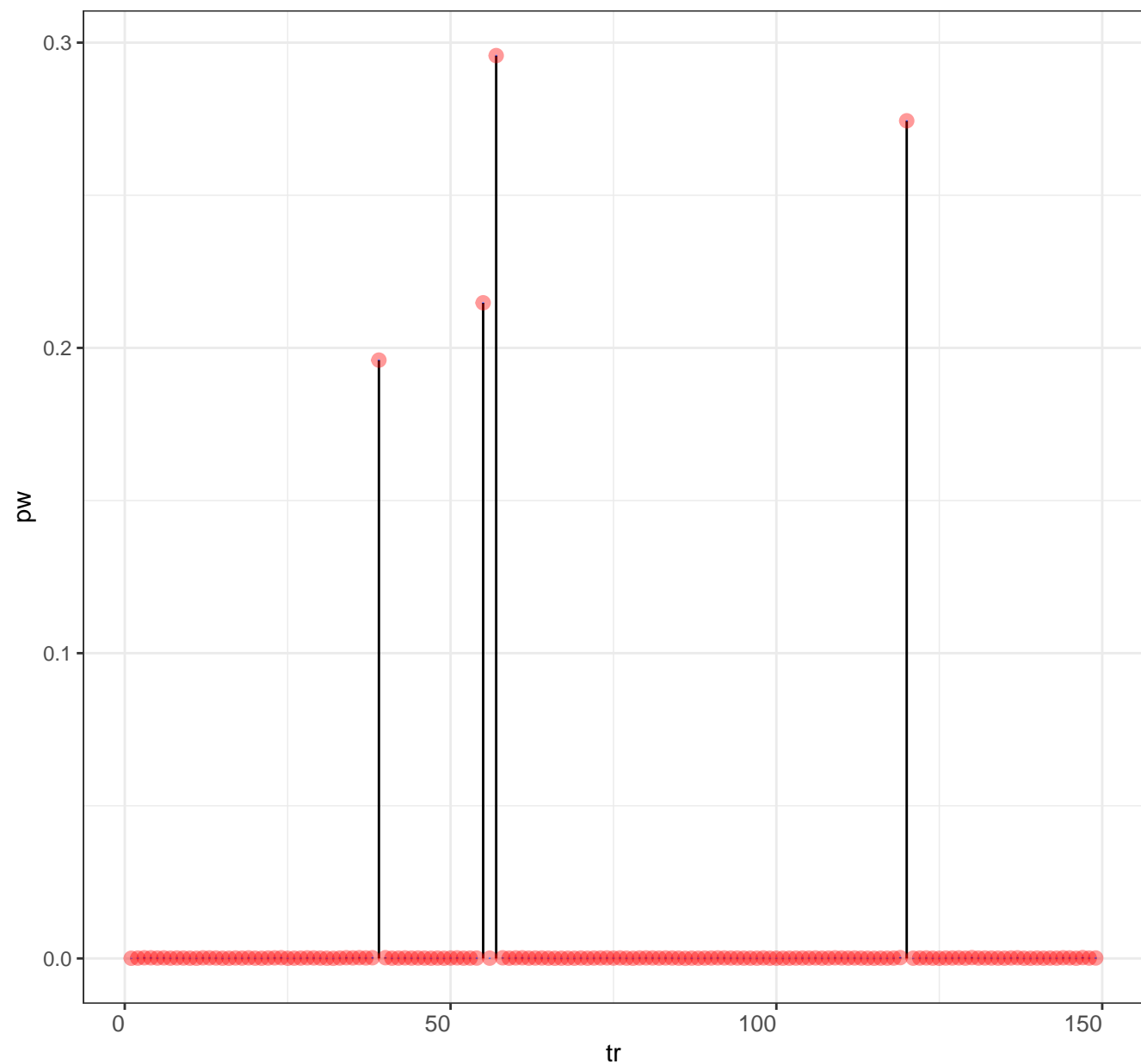
Posterior distribution for alpha

Legend posterior mean prior mean



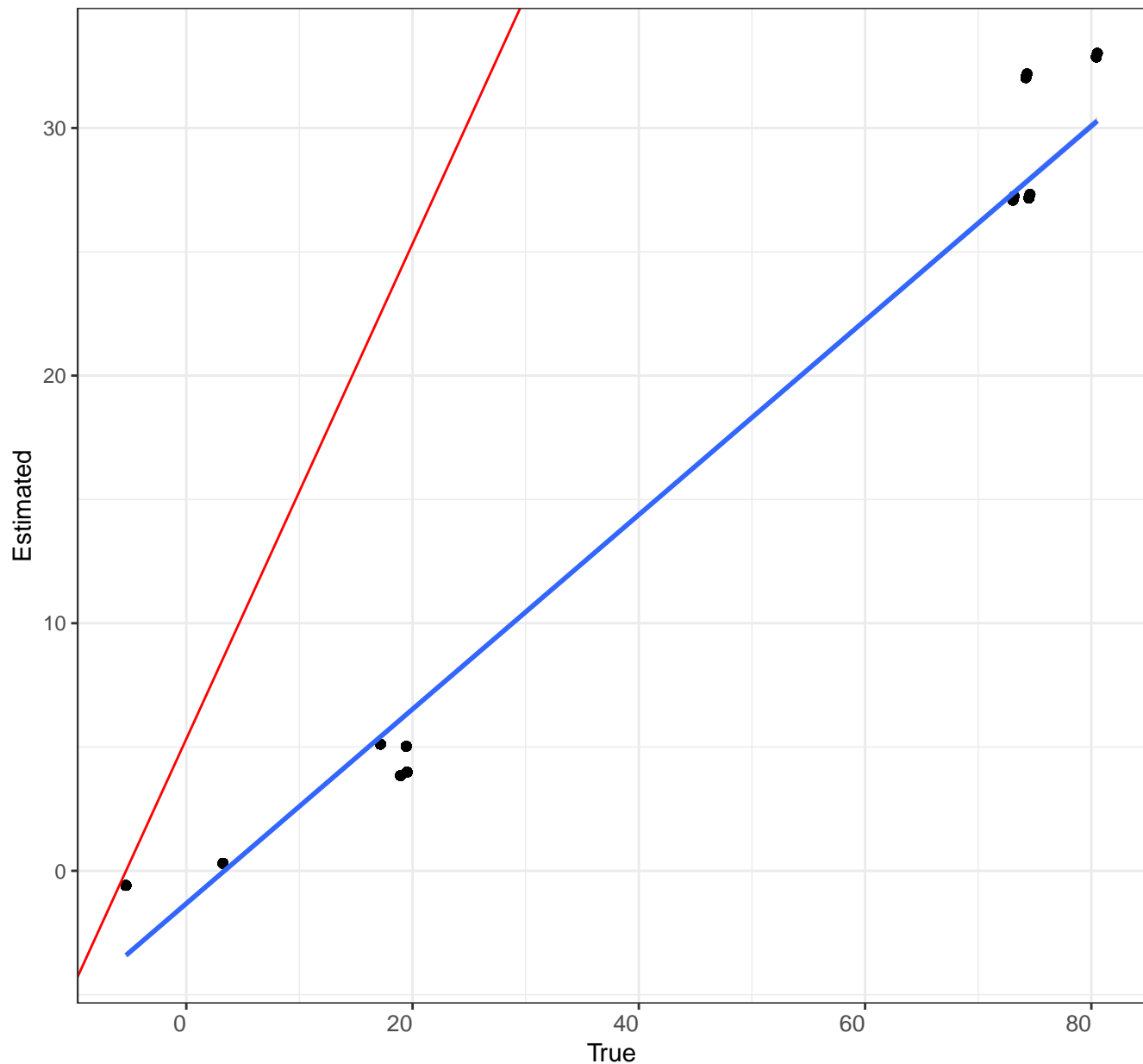
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



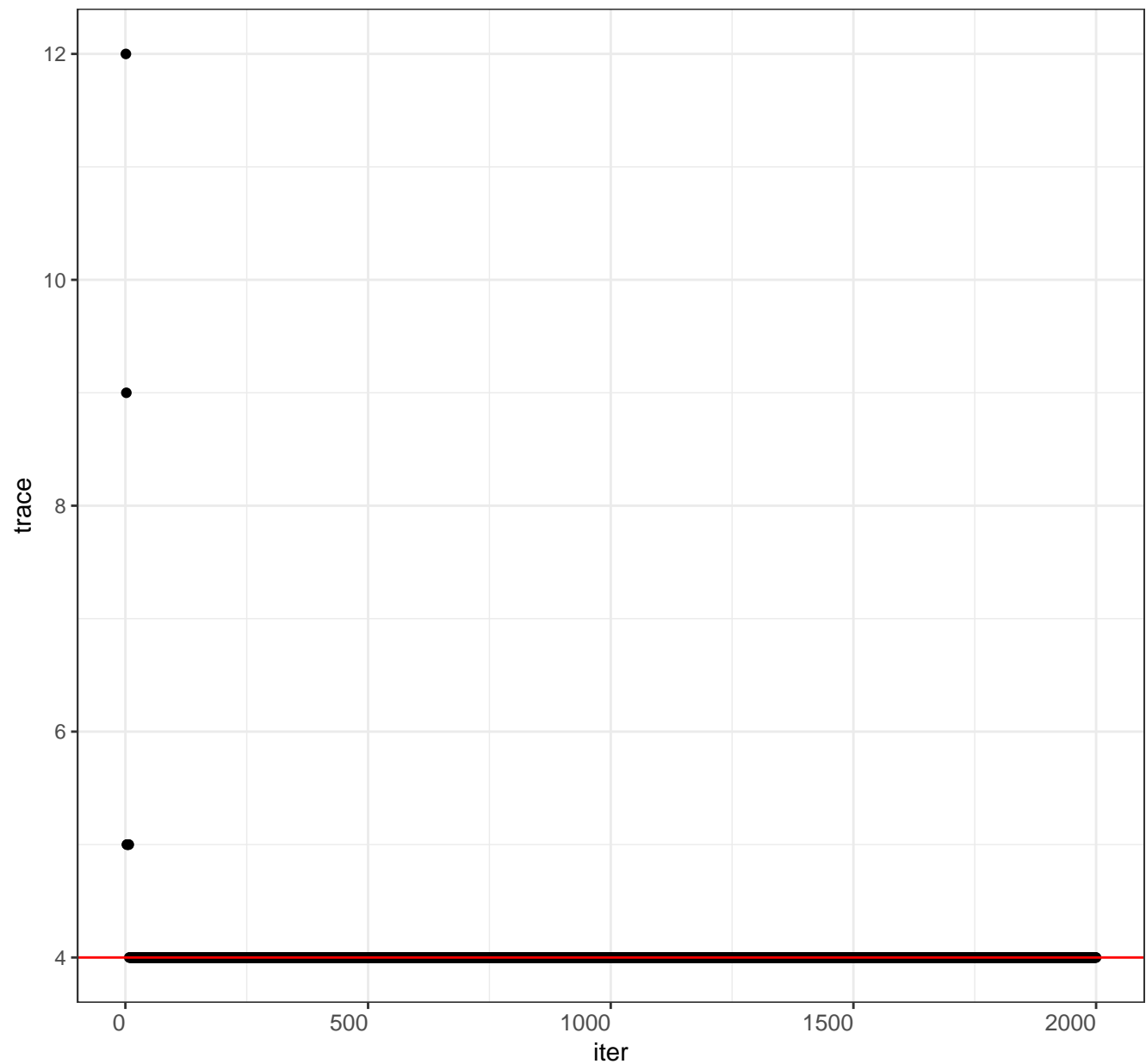
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

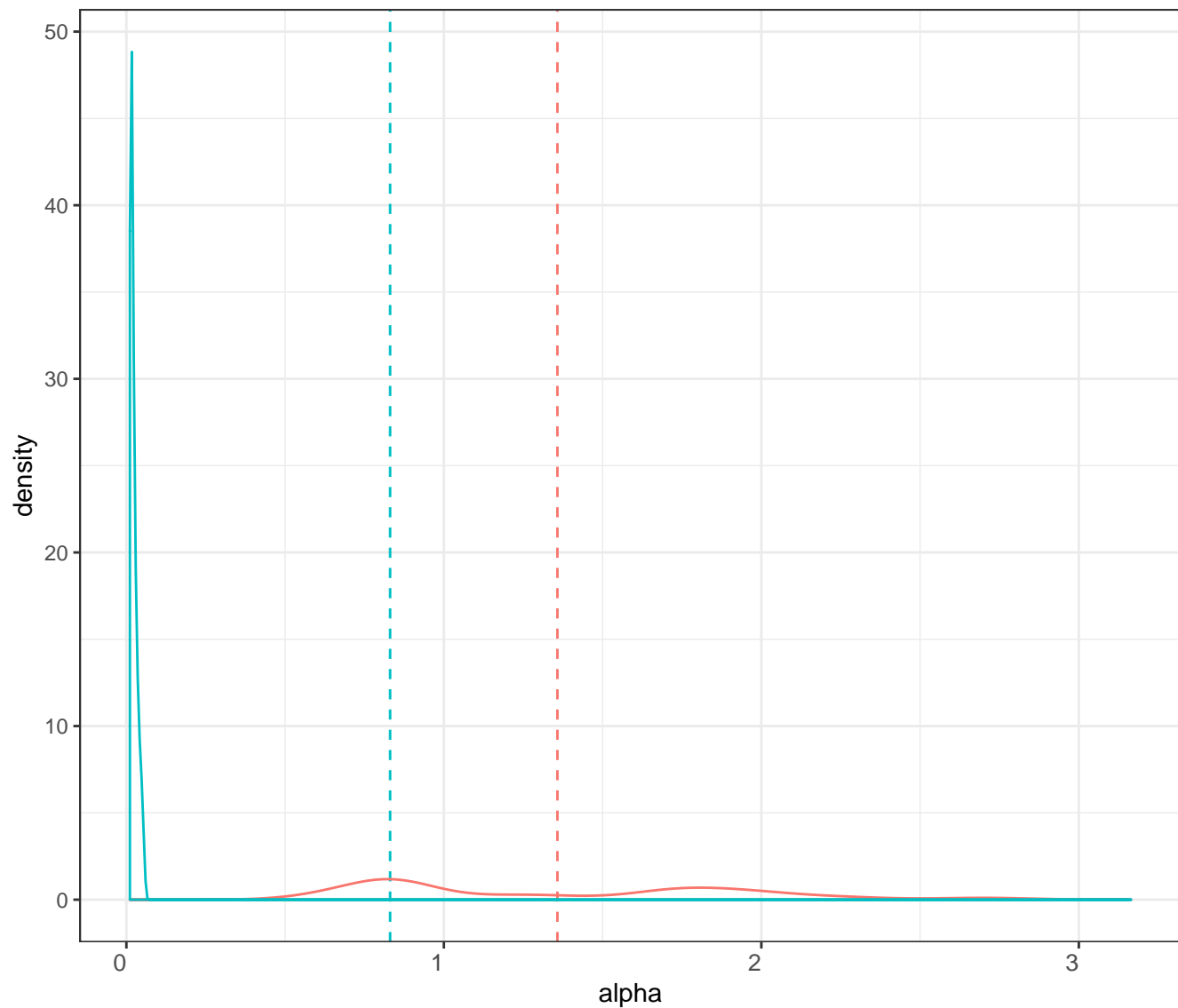
Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

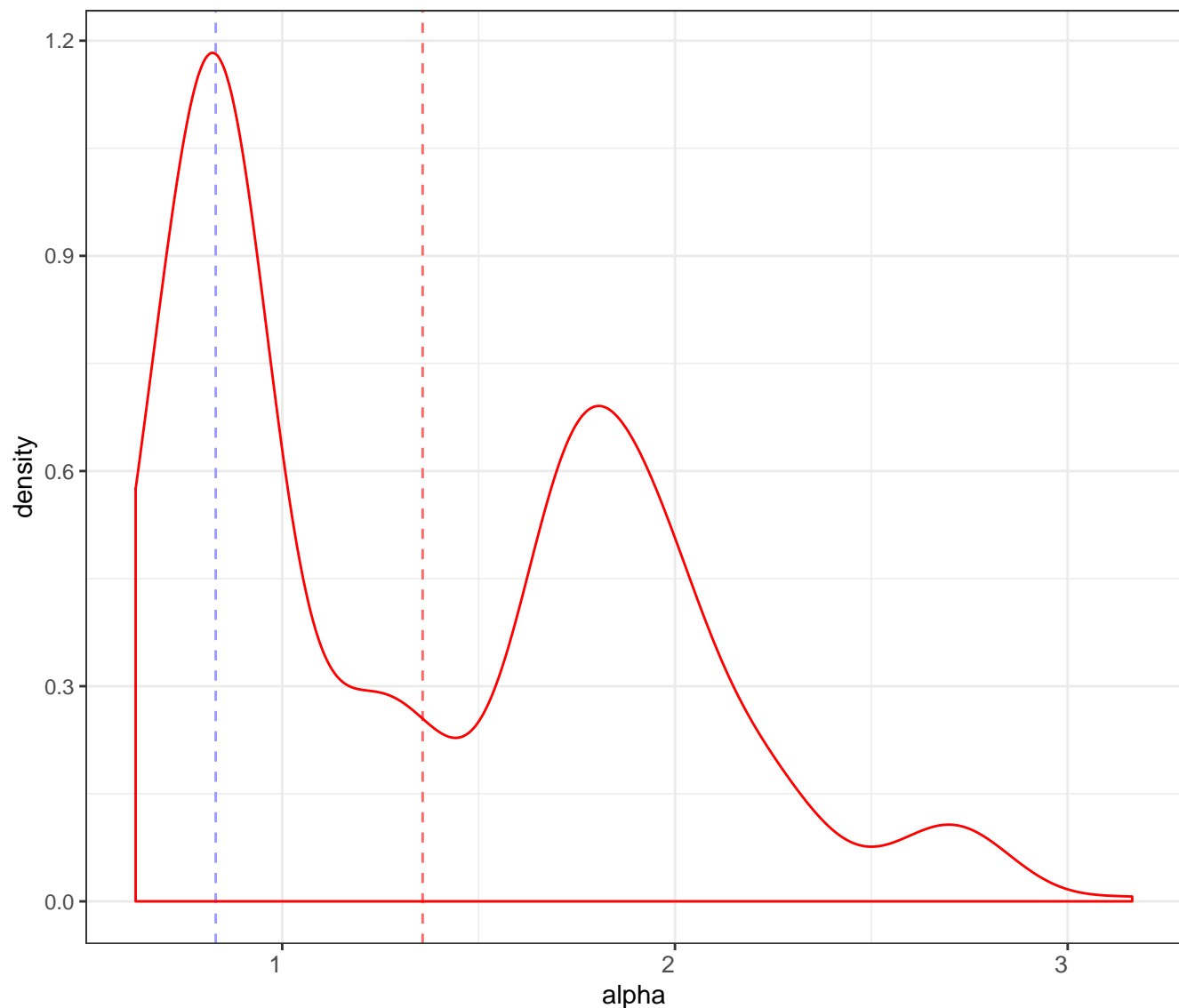
Legend



posterior mean

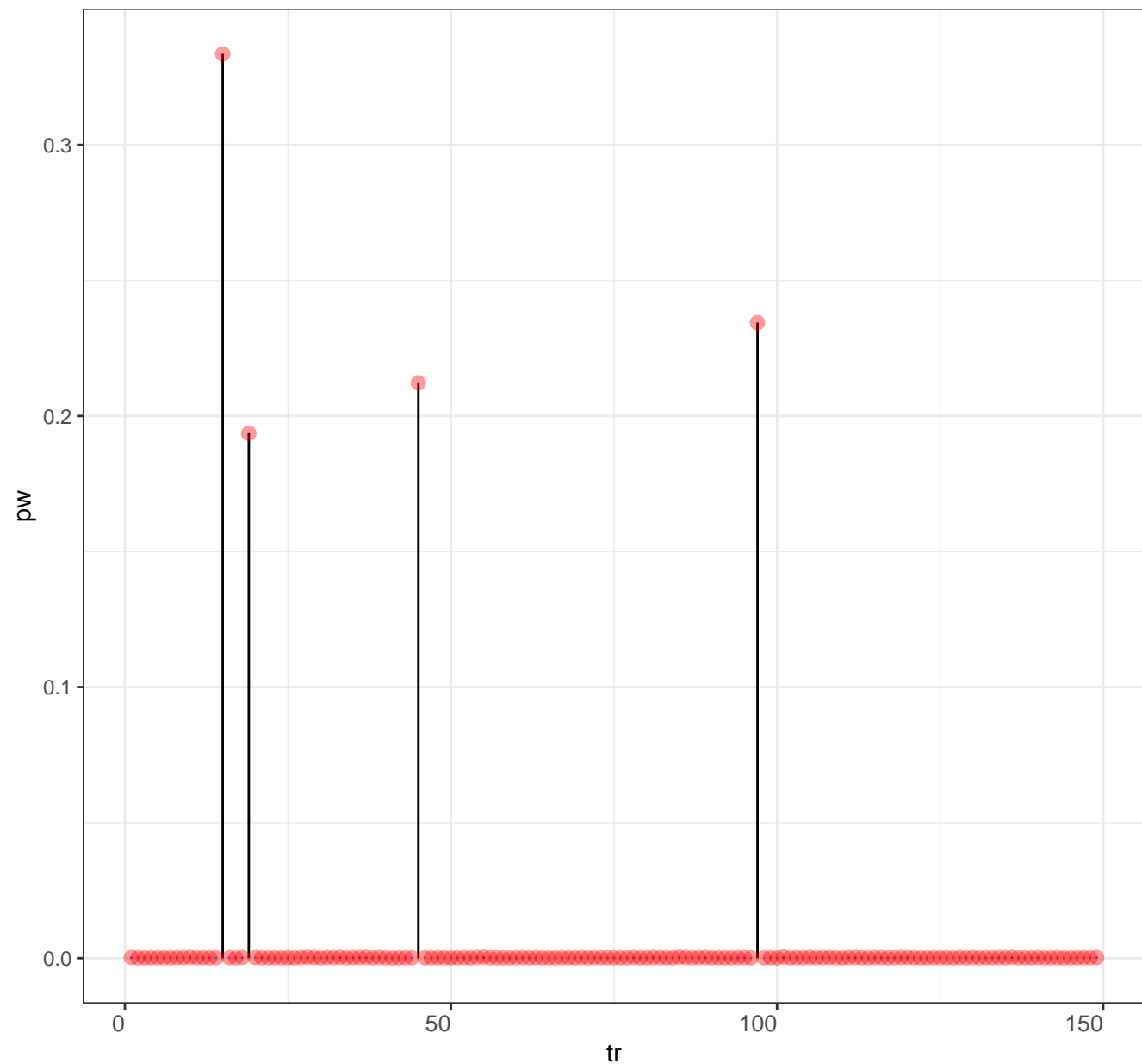


prior mean



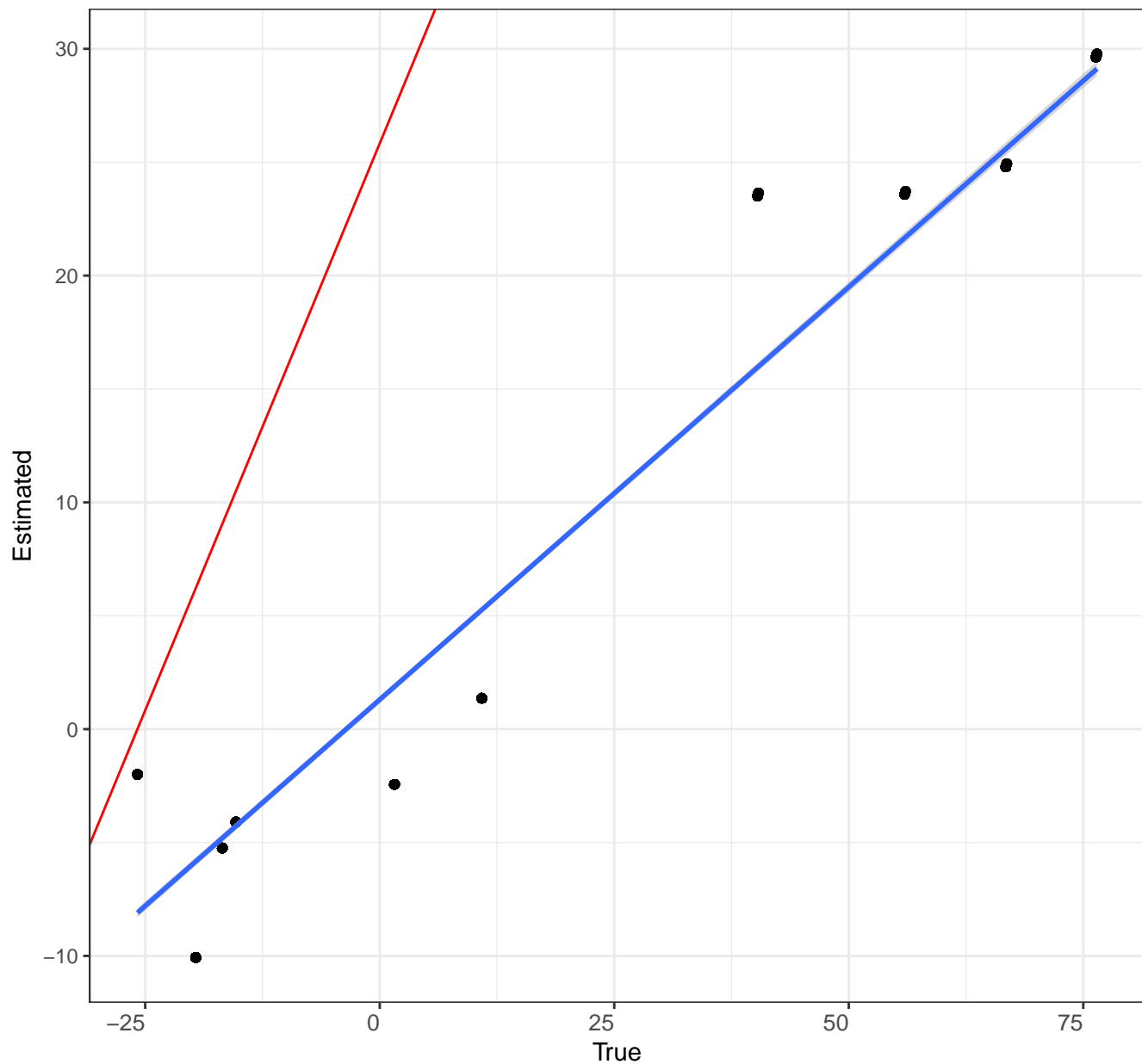
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



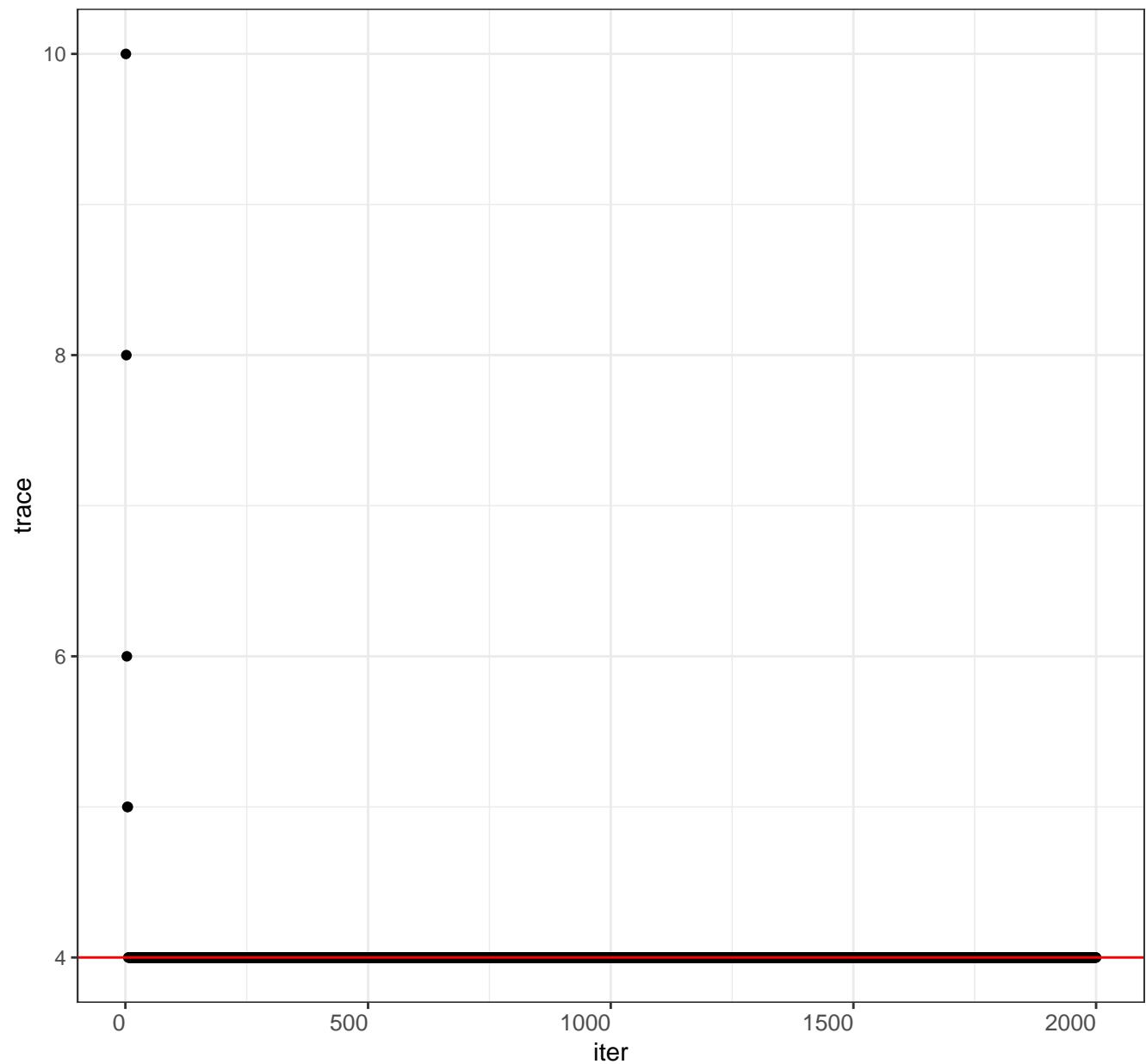
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

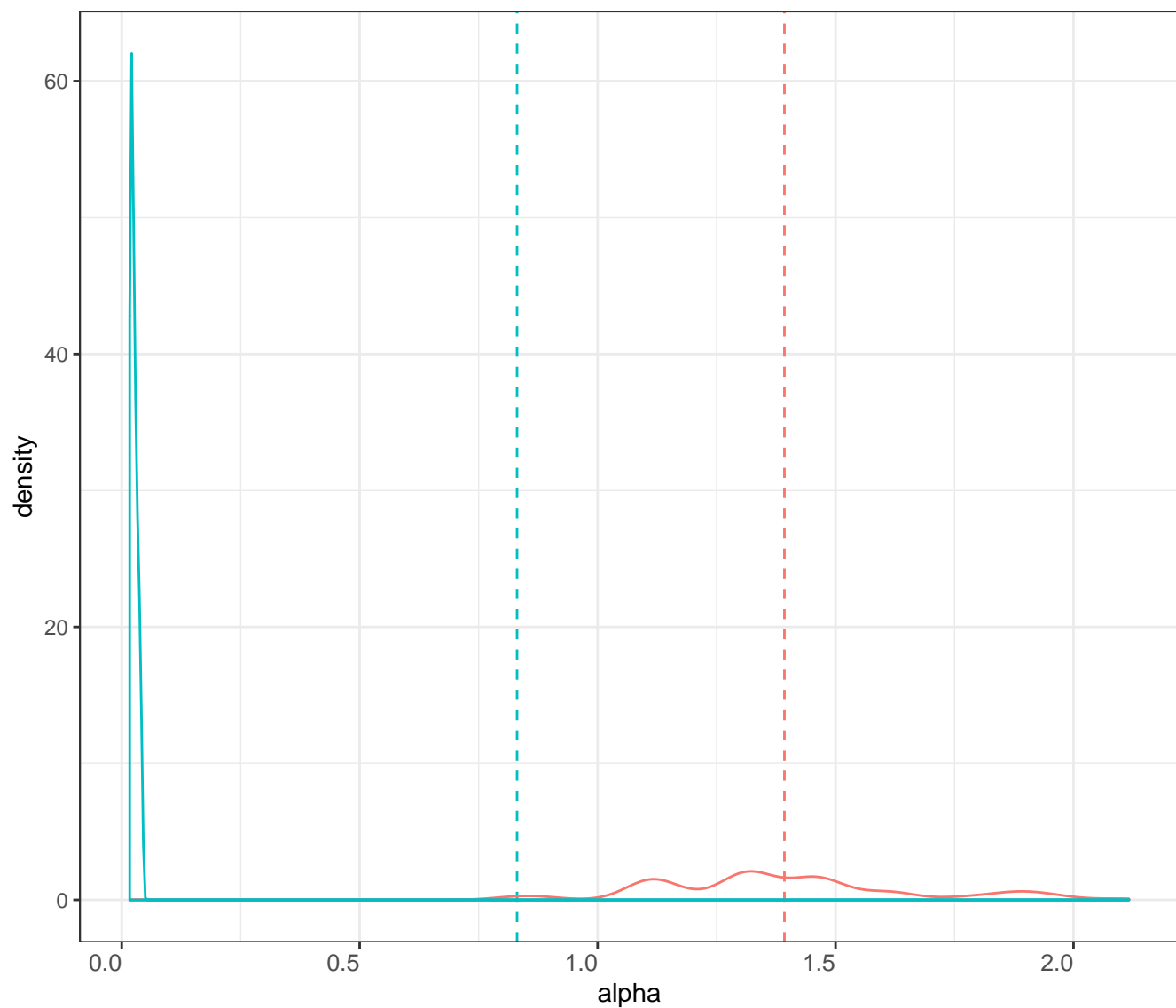
Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

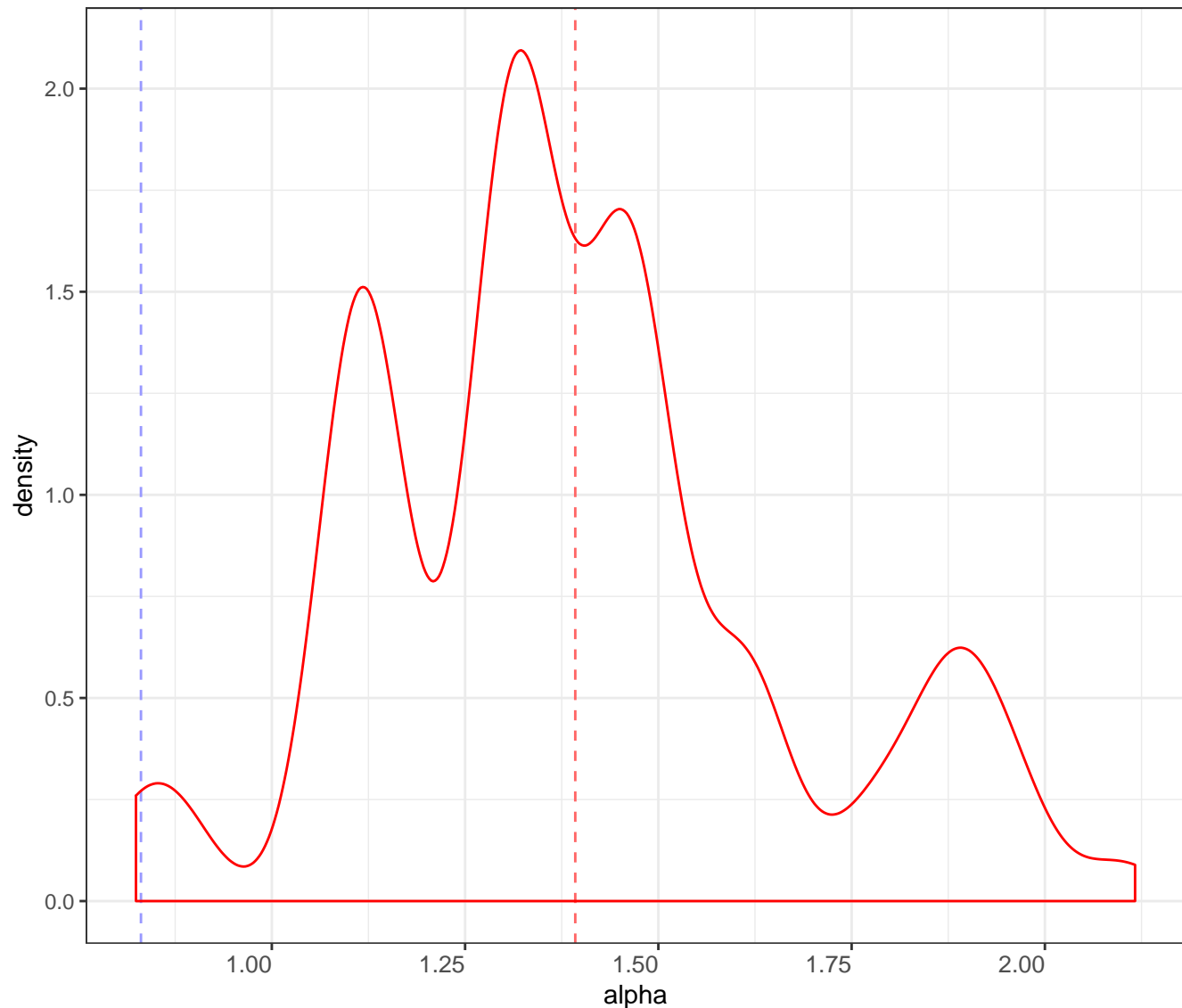
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

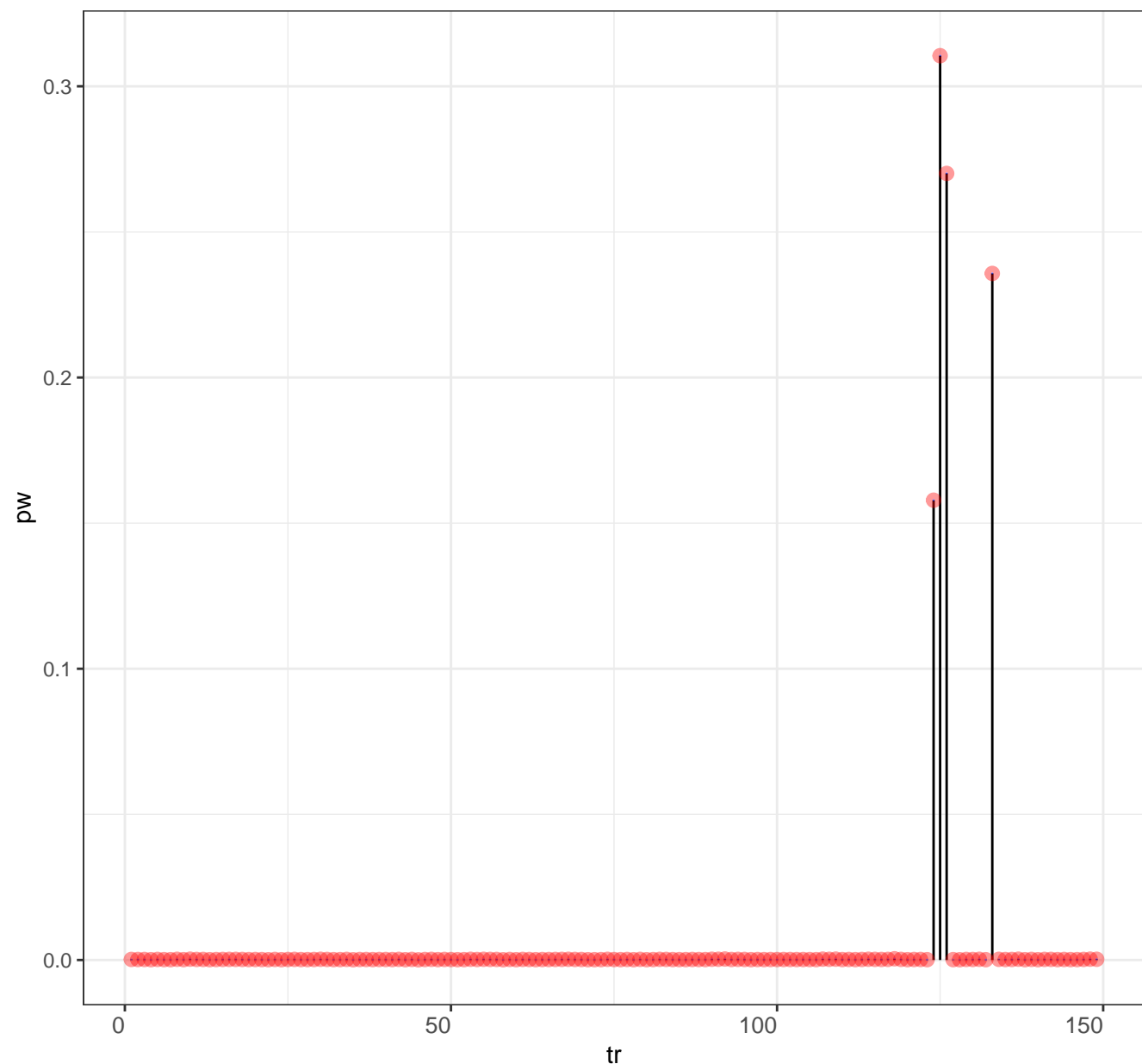
Posterior distribution for alpha

Legend posterior mean prior mean



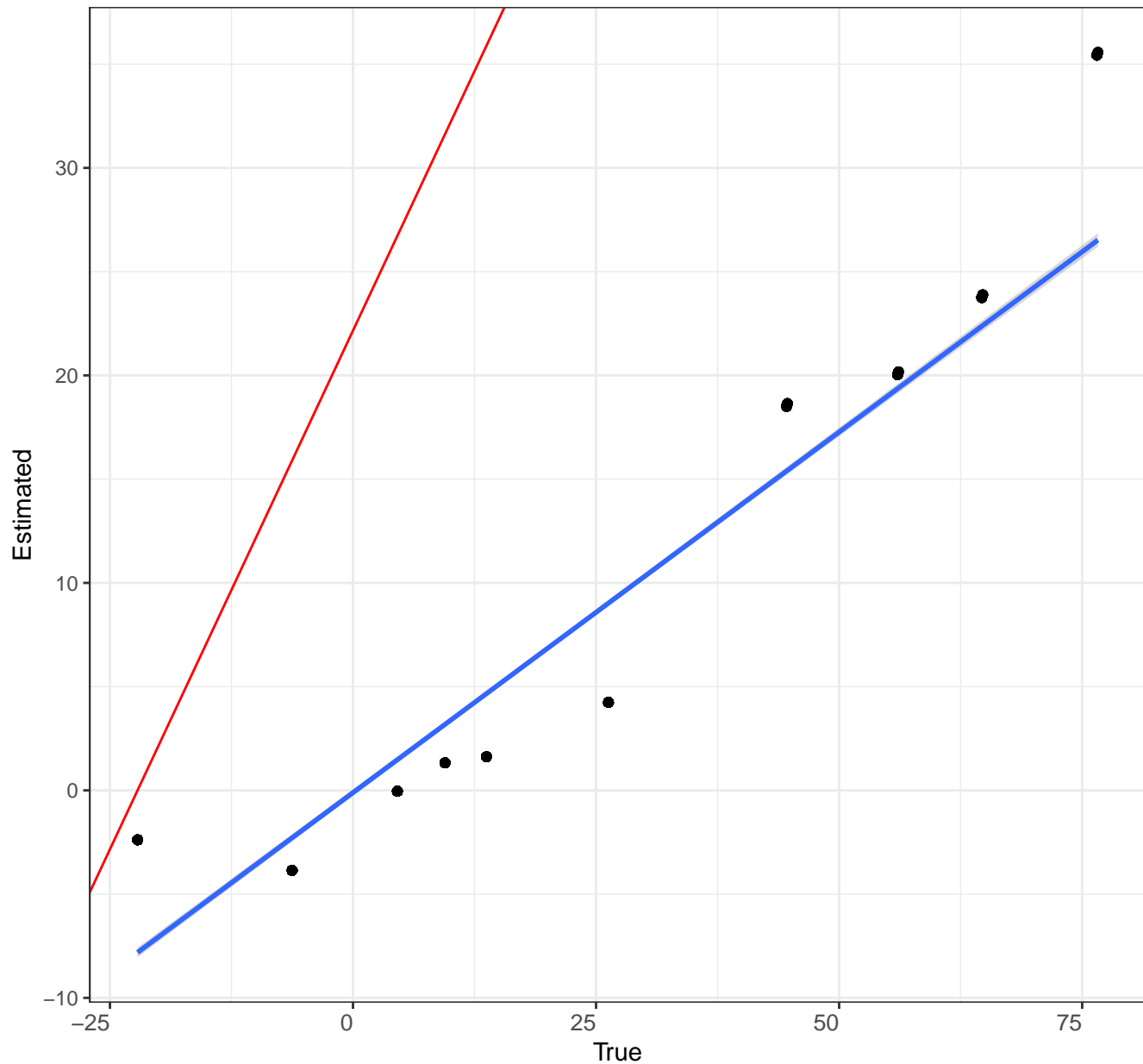
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



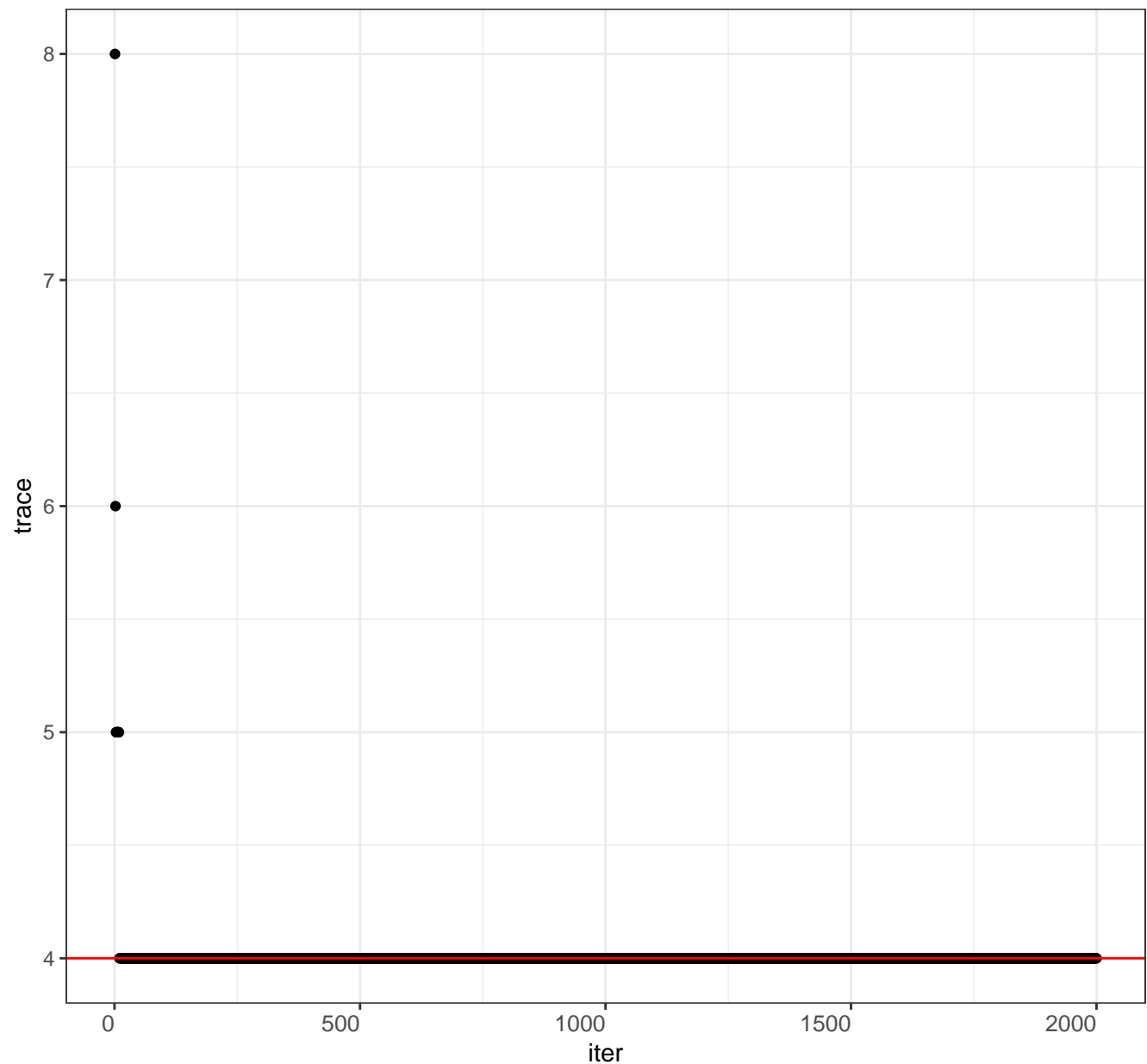
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

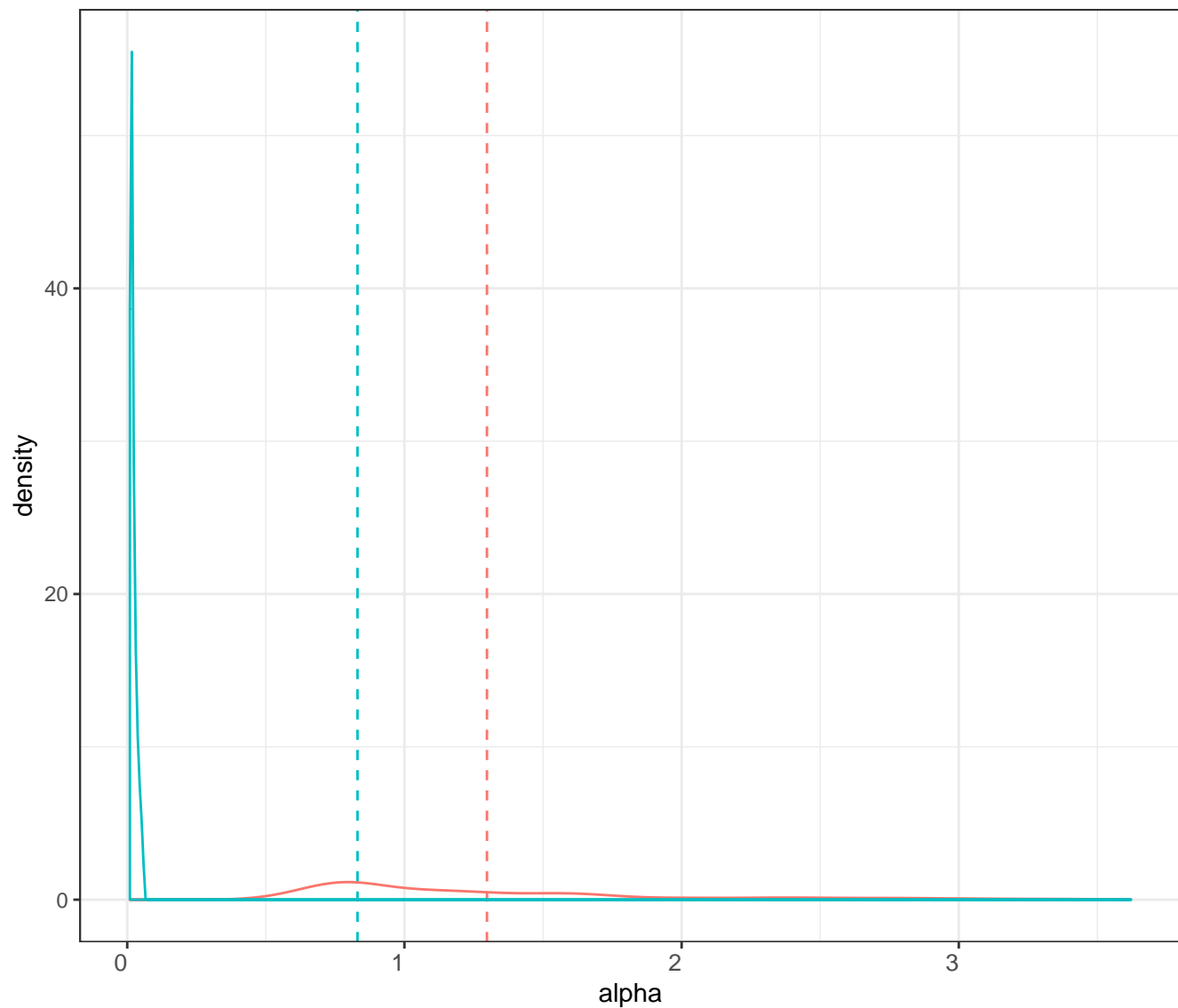
Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000 number of samples: 500

Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

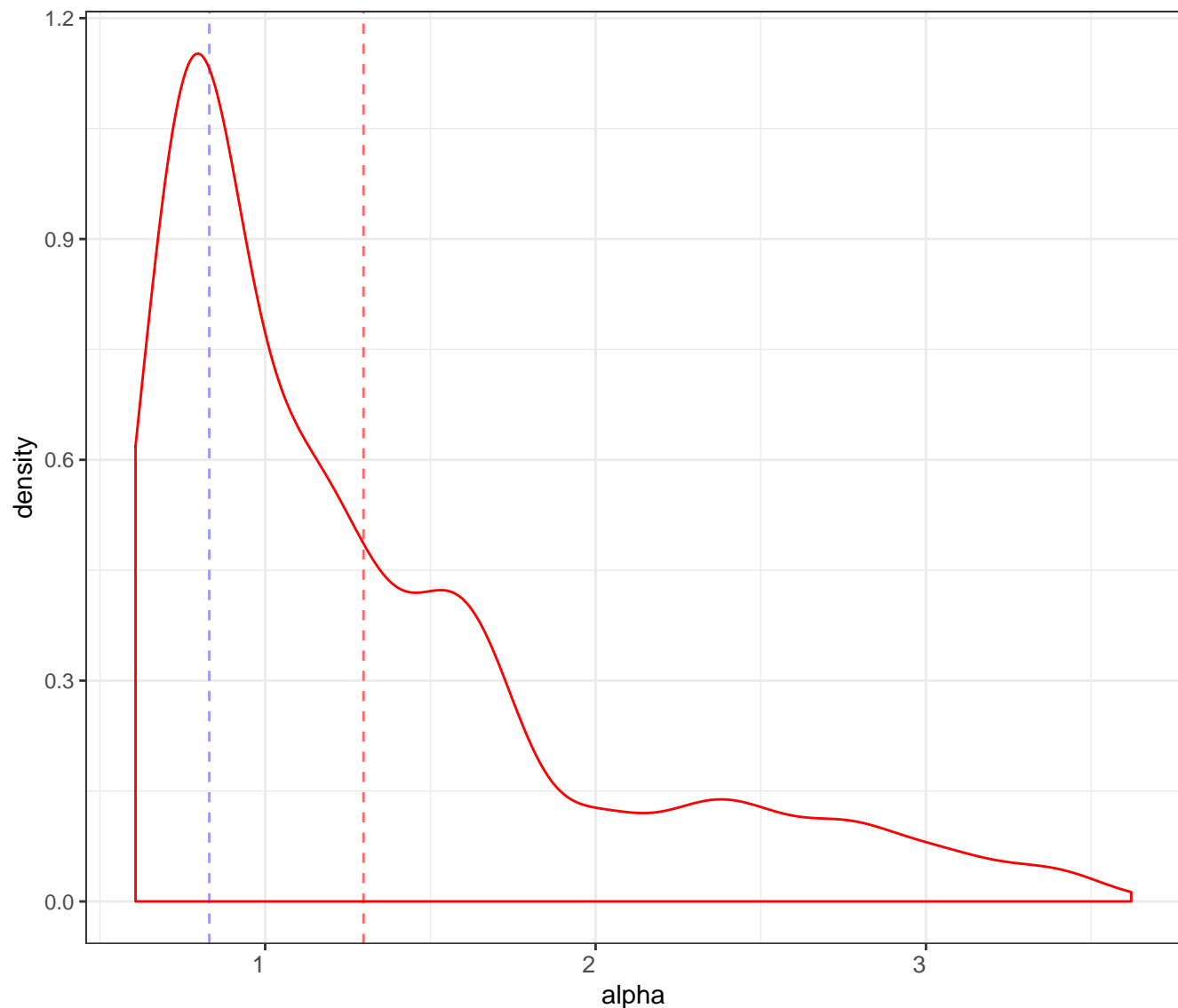
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

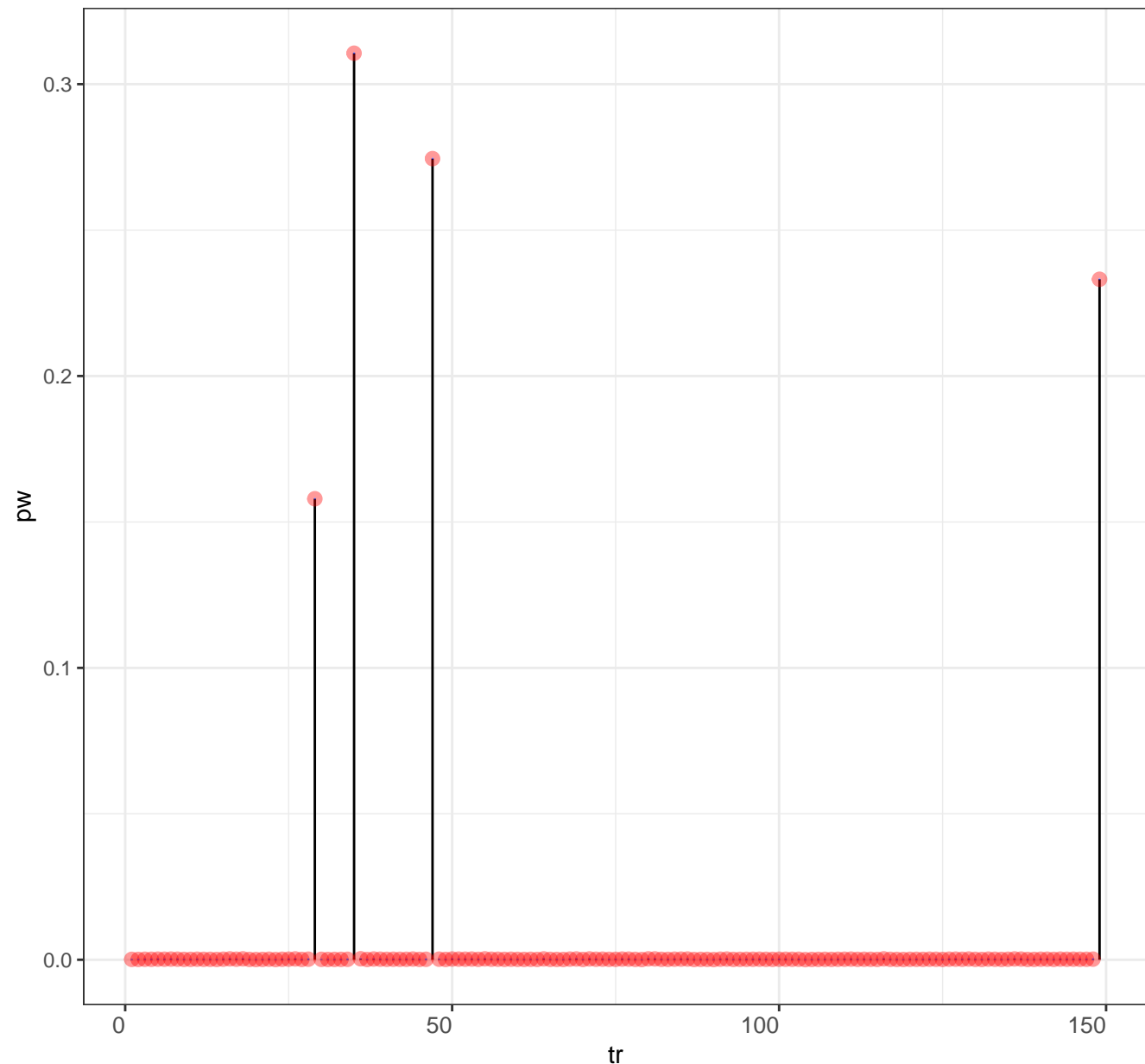
Posterior distribution for alpha

Legend posterior mean prior mean



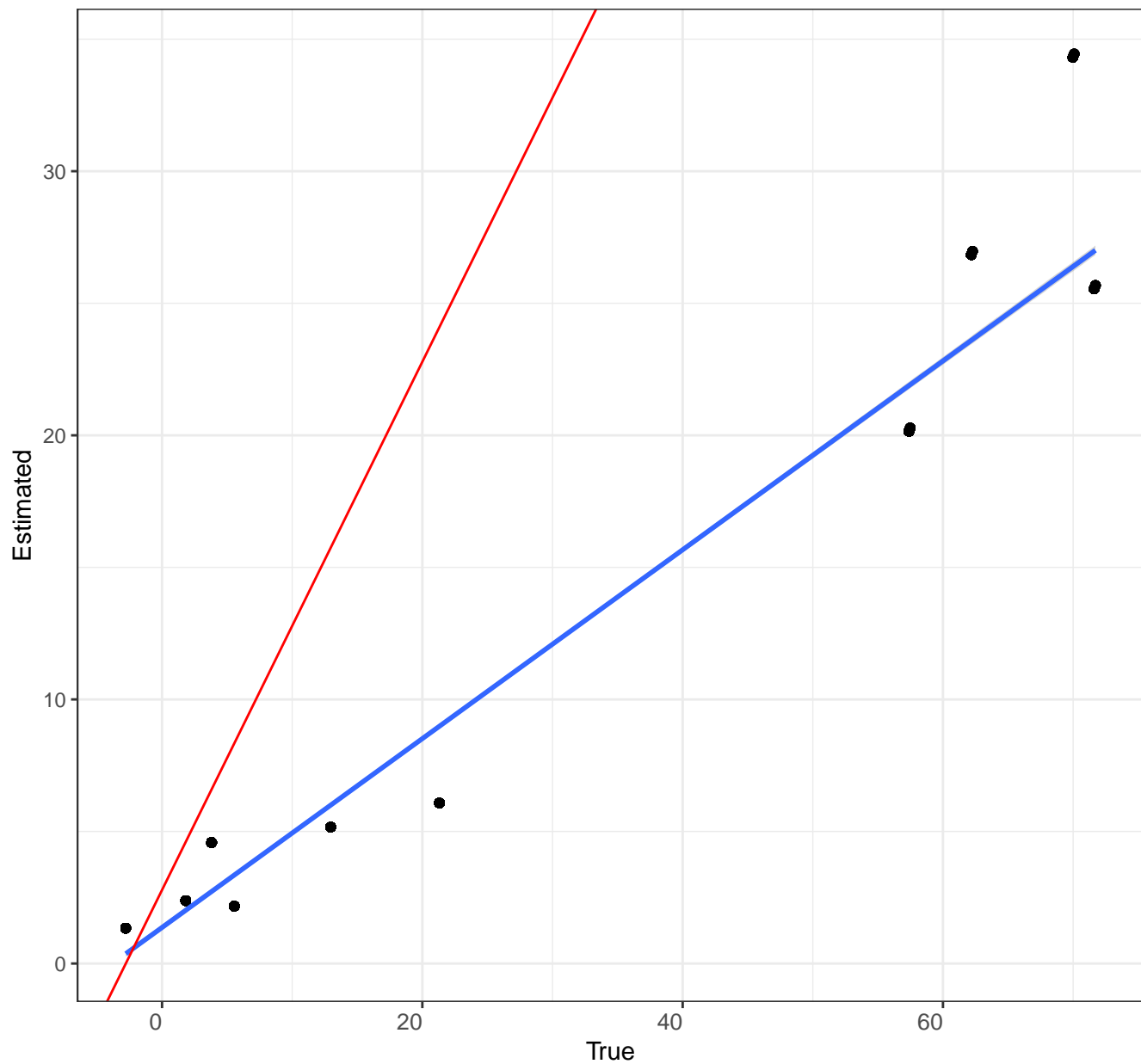
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0.233$



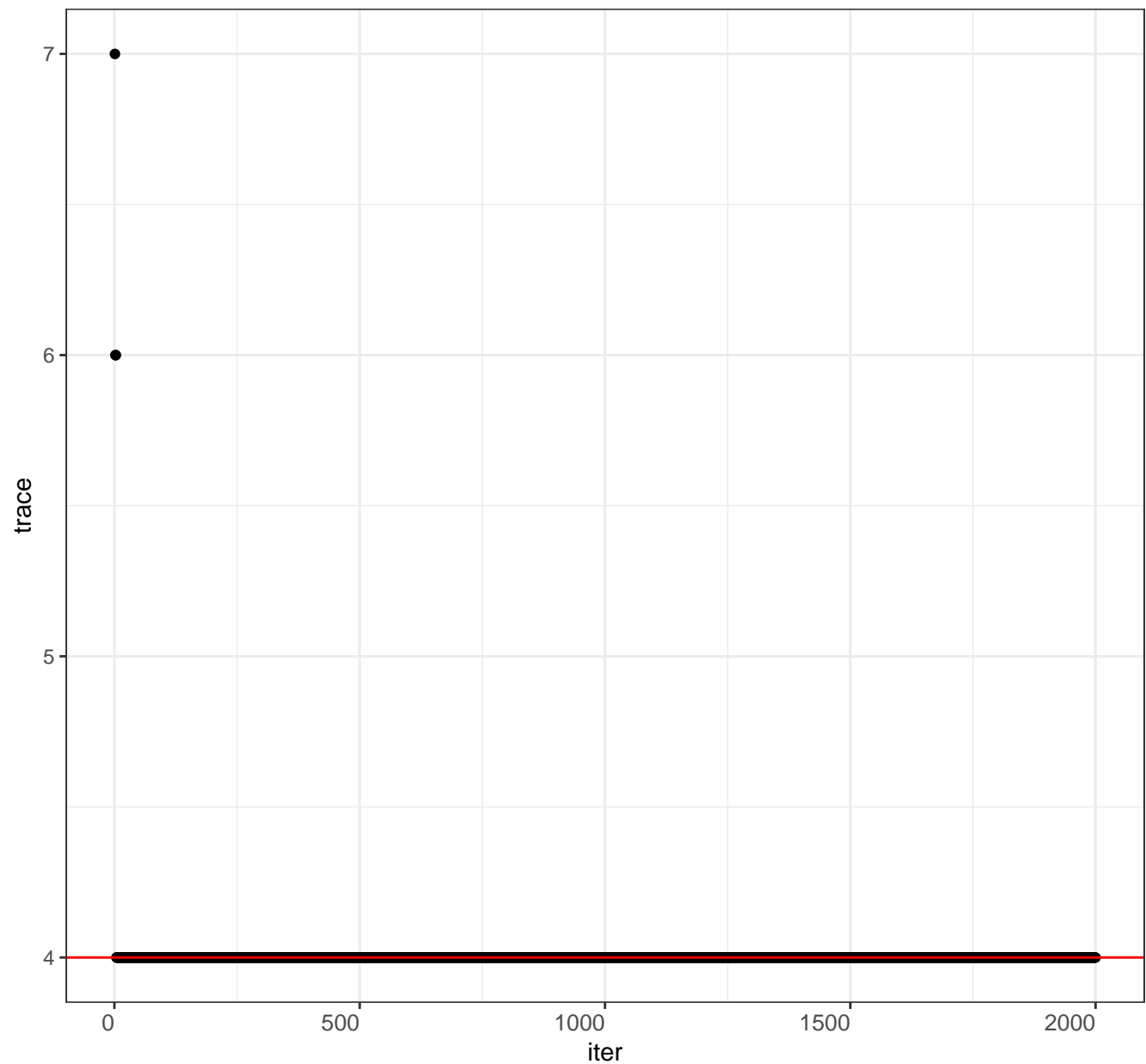
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





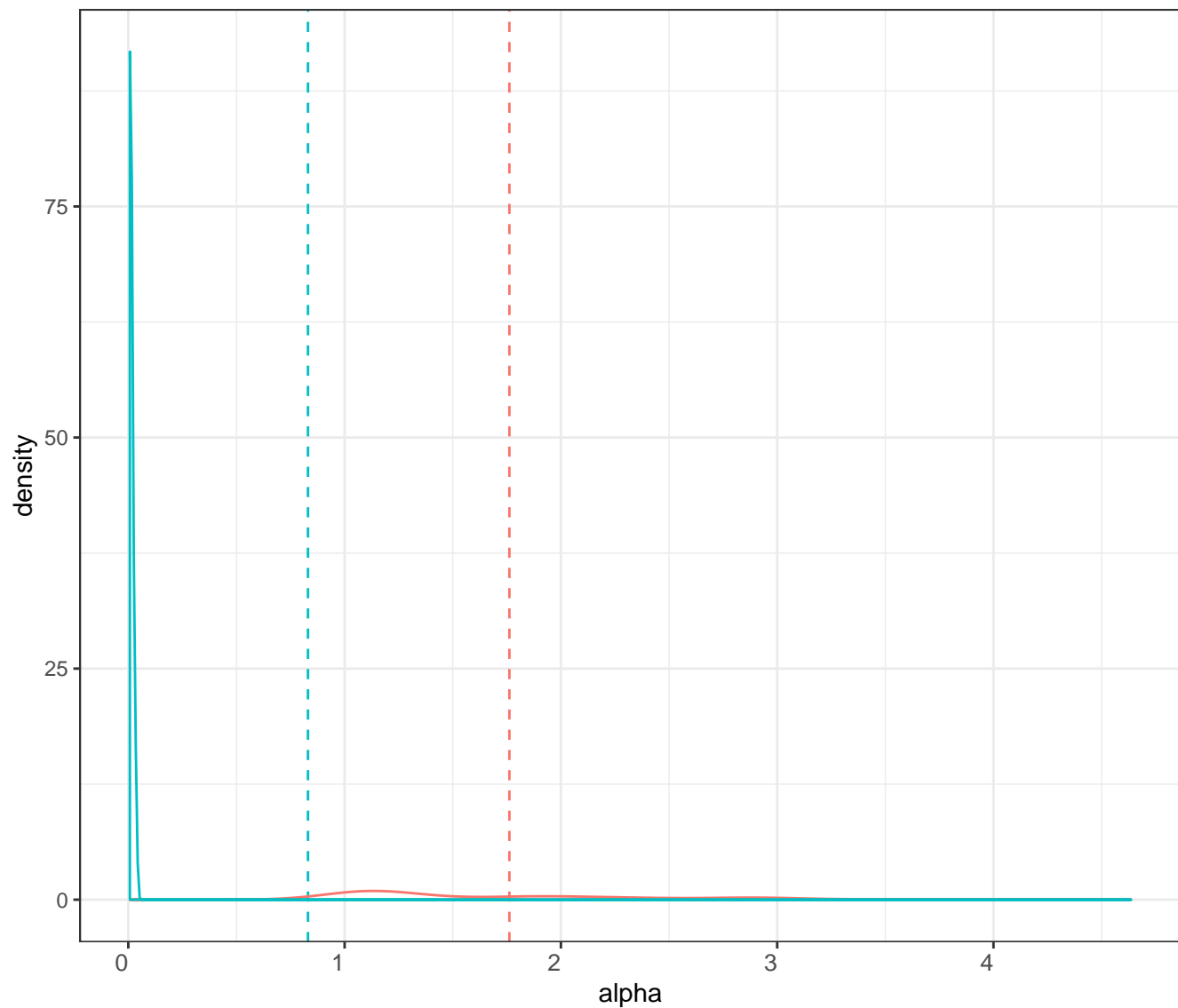
Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

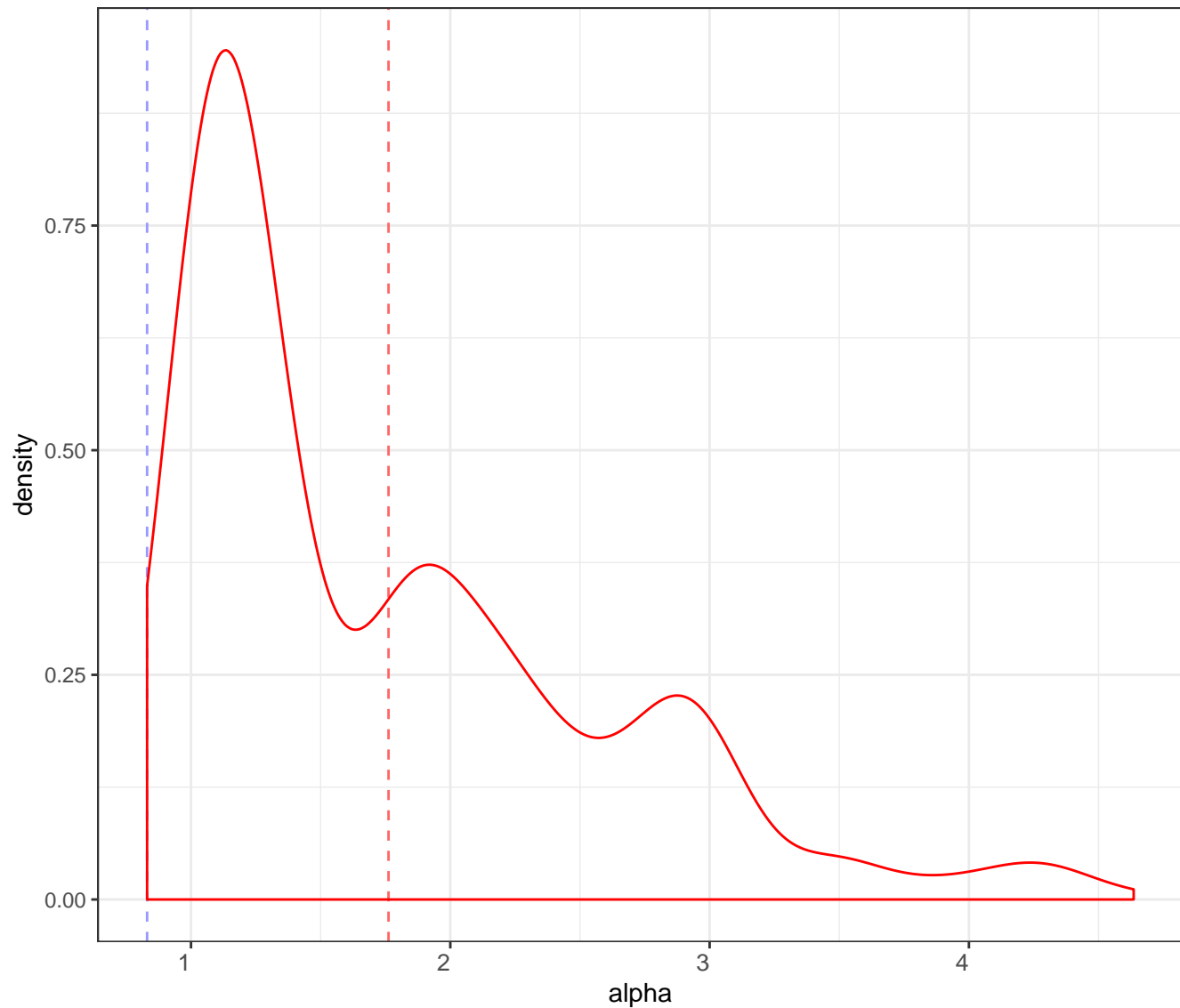
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

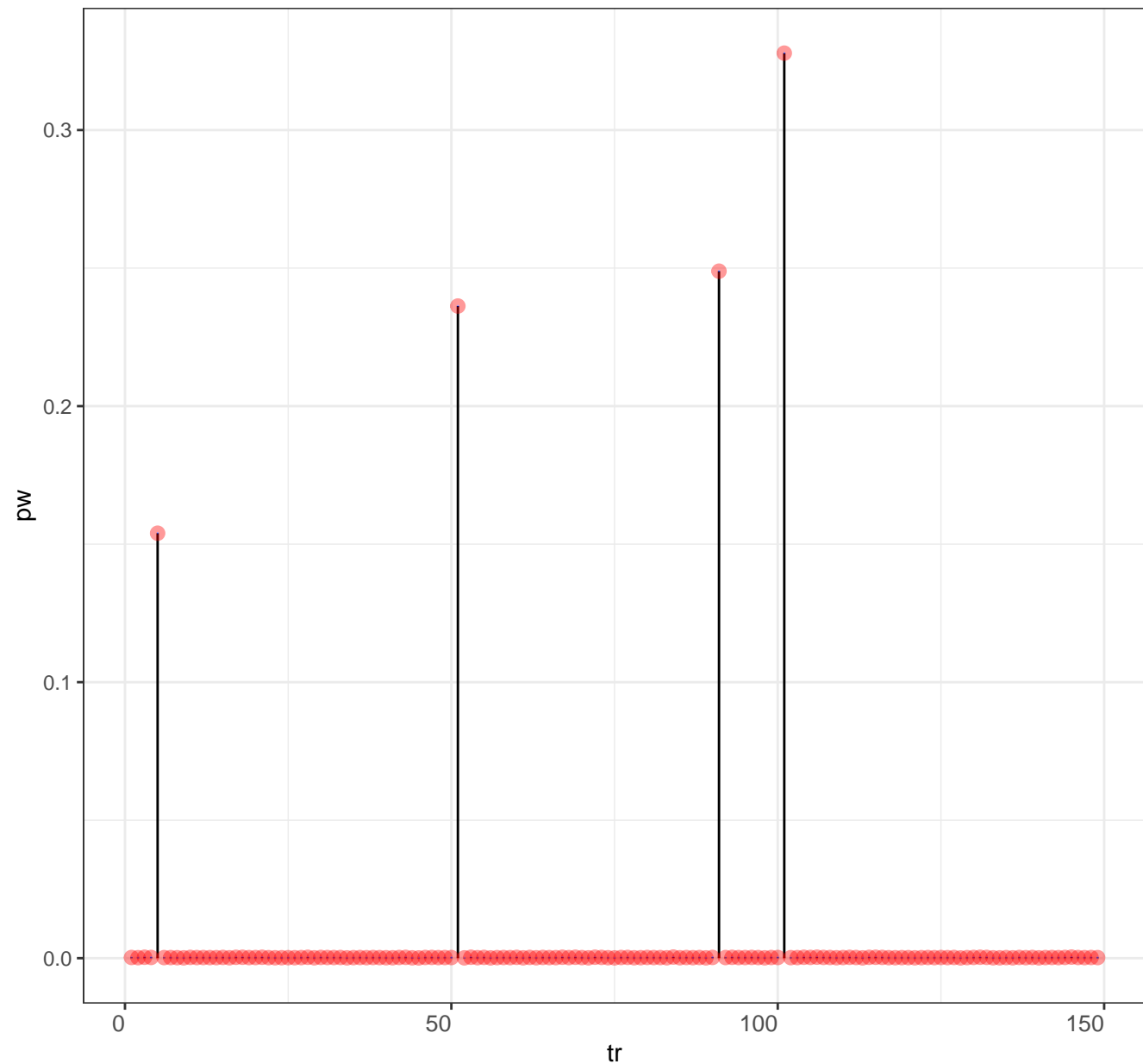
Posterior distribution for alpha

Legend posterior mean prior mean



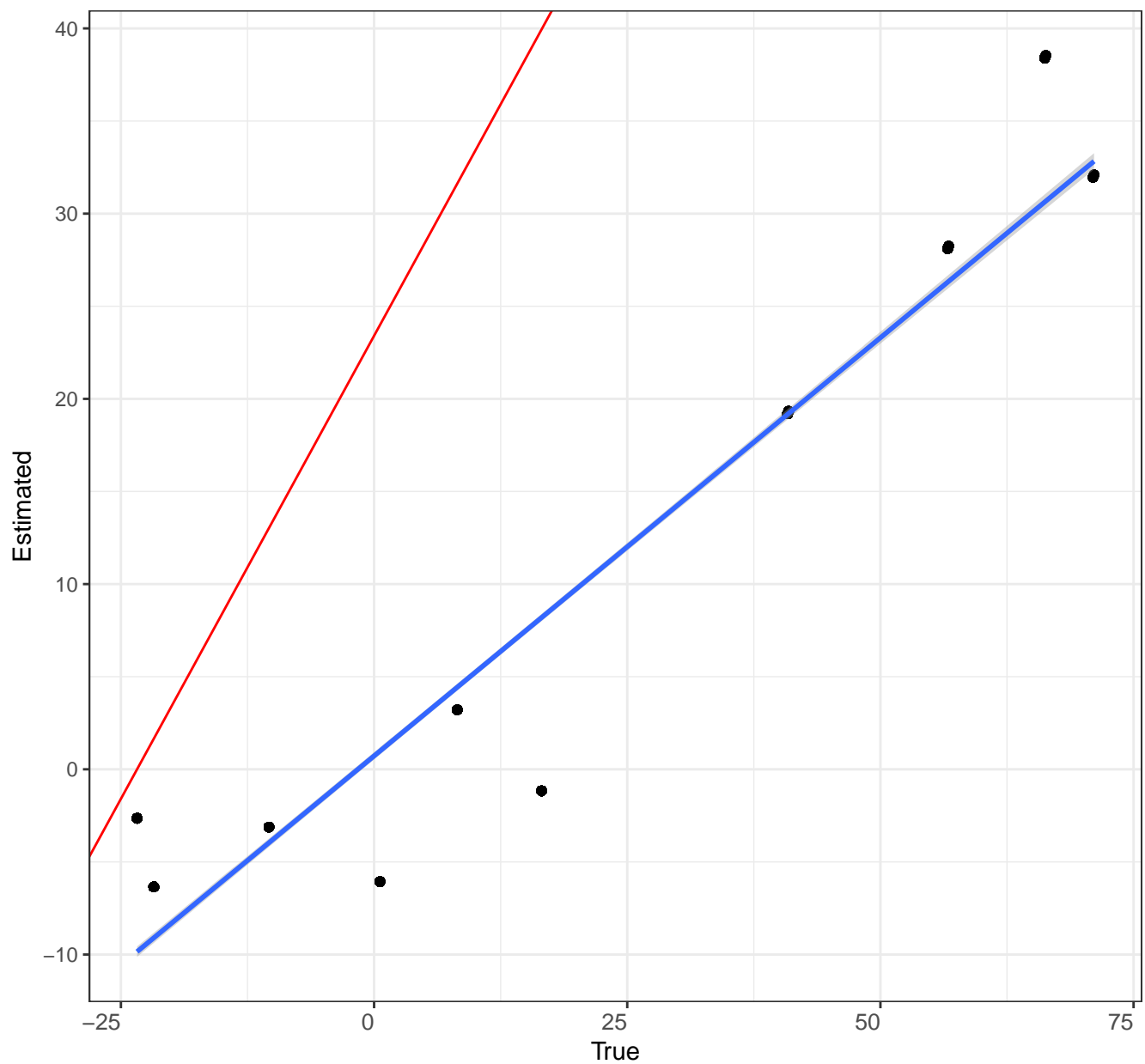
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$, type=2 , $N=150$ $pN=0$



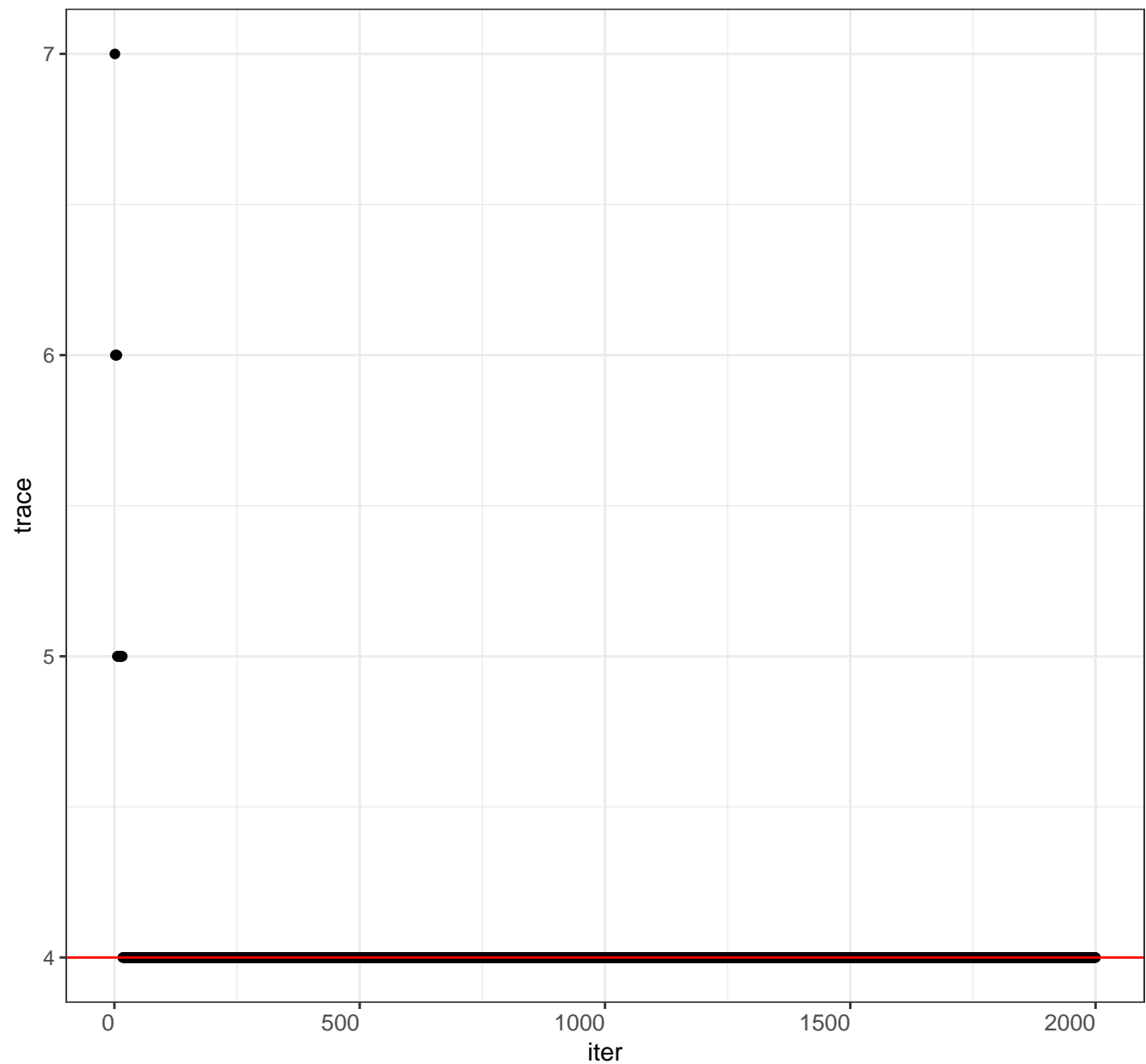
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

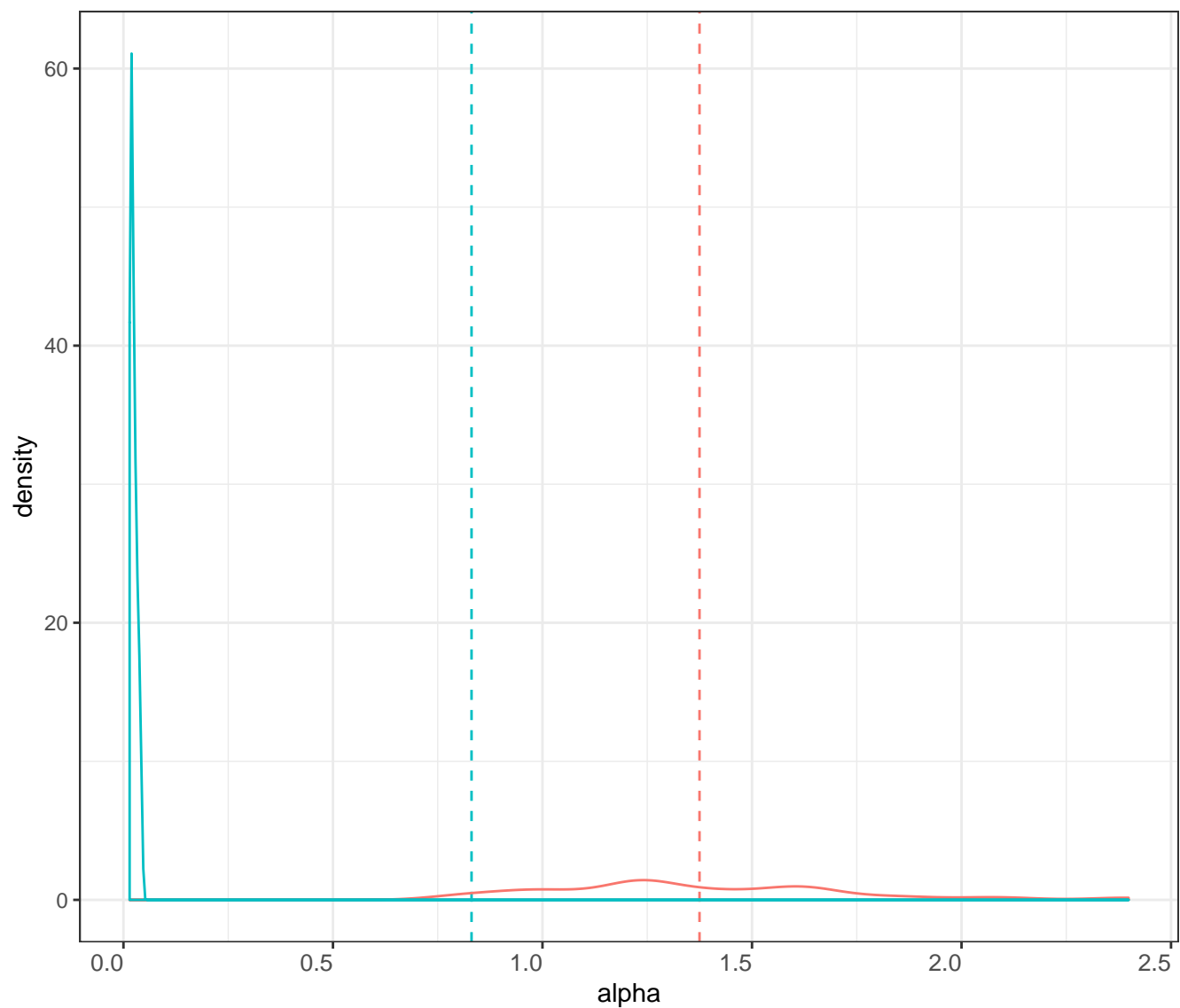
Trace plot for the number of groups K for S=50 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=5 true gr K=4 ,type=2 ,N=150

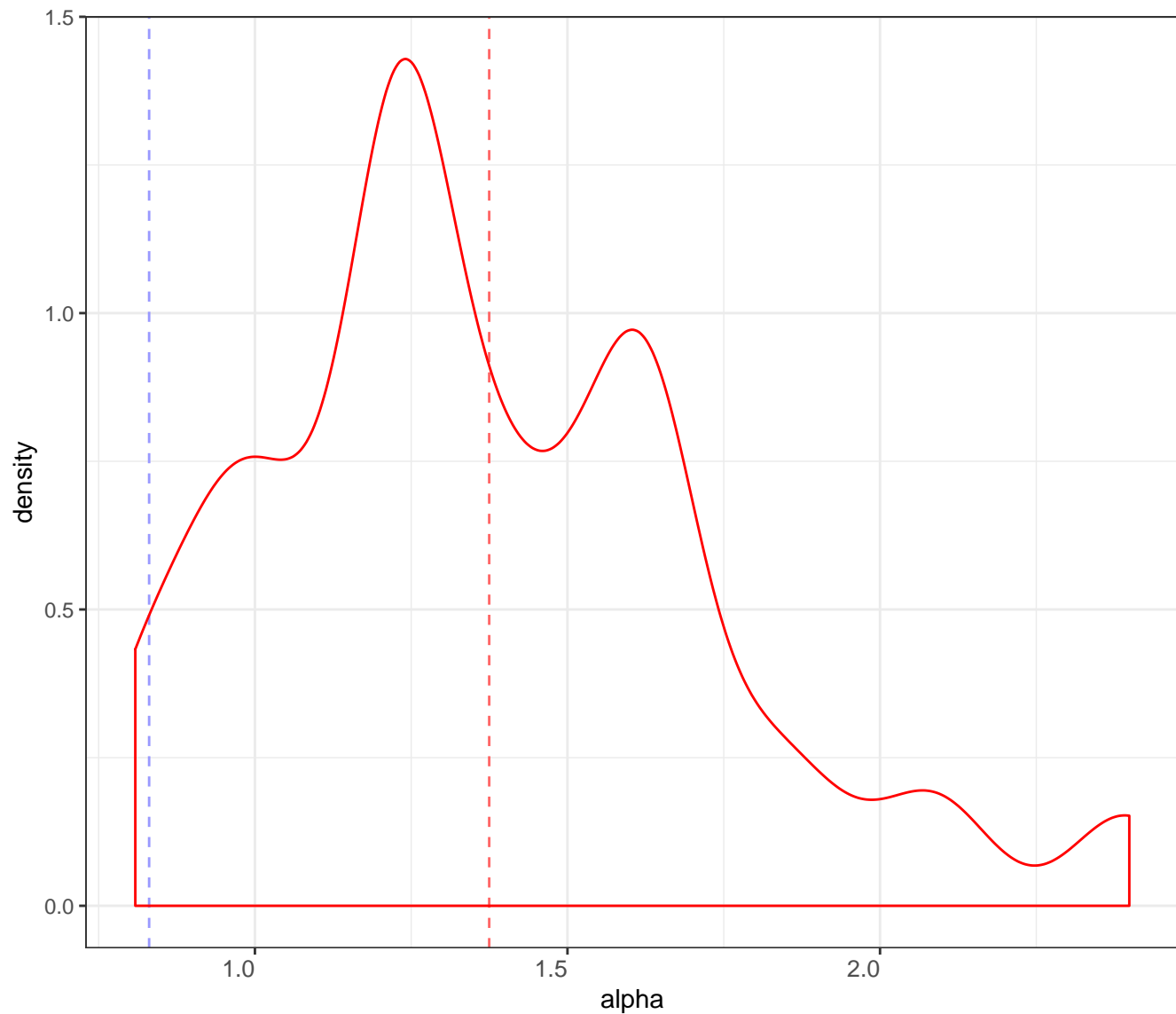
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

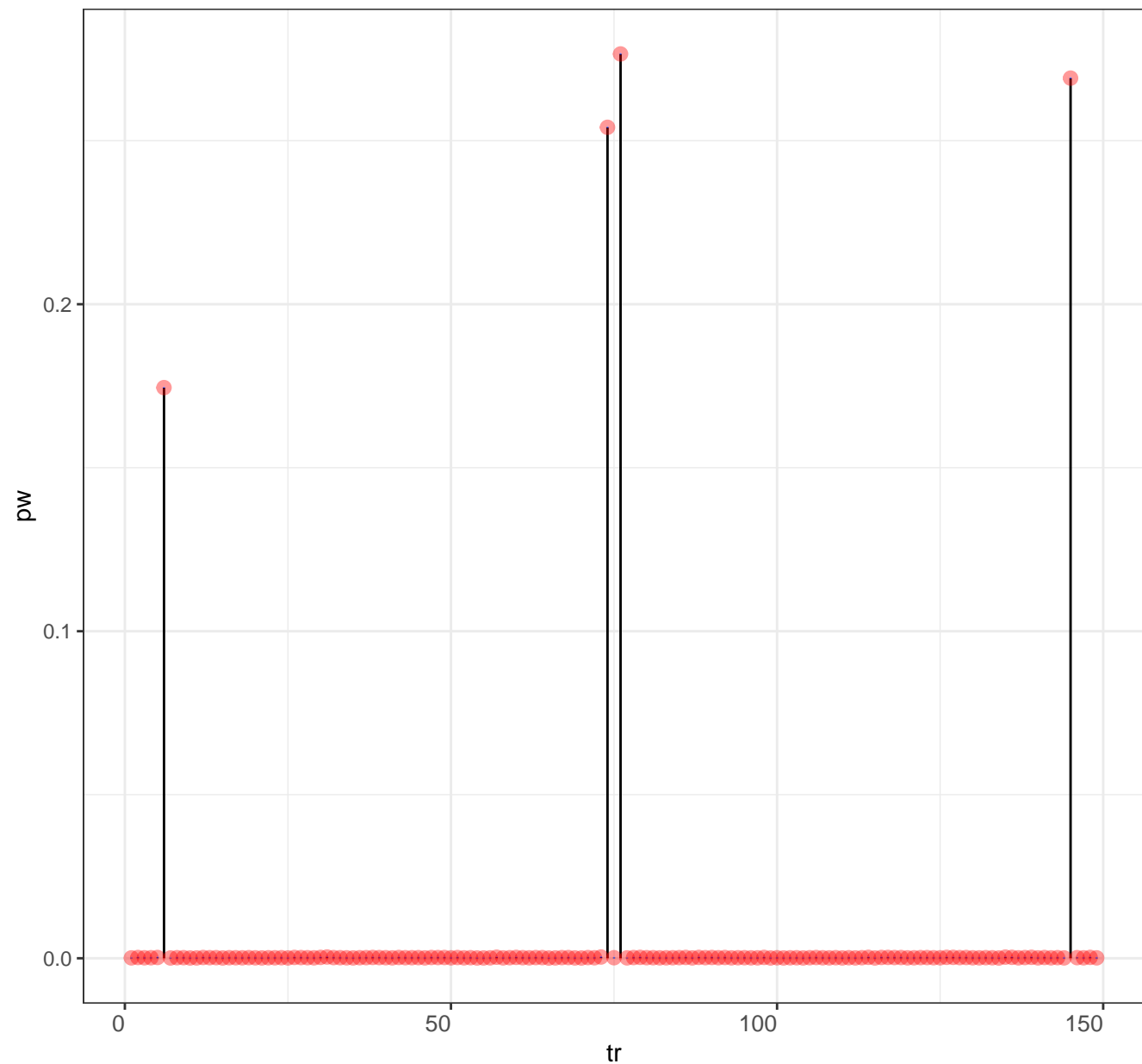
Posterior distribution for alpha

Legend posterior mean prior mean



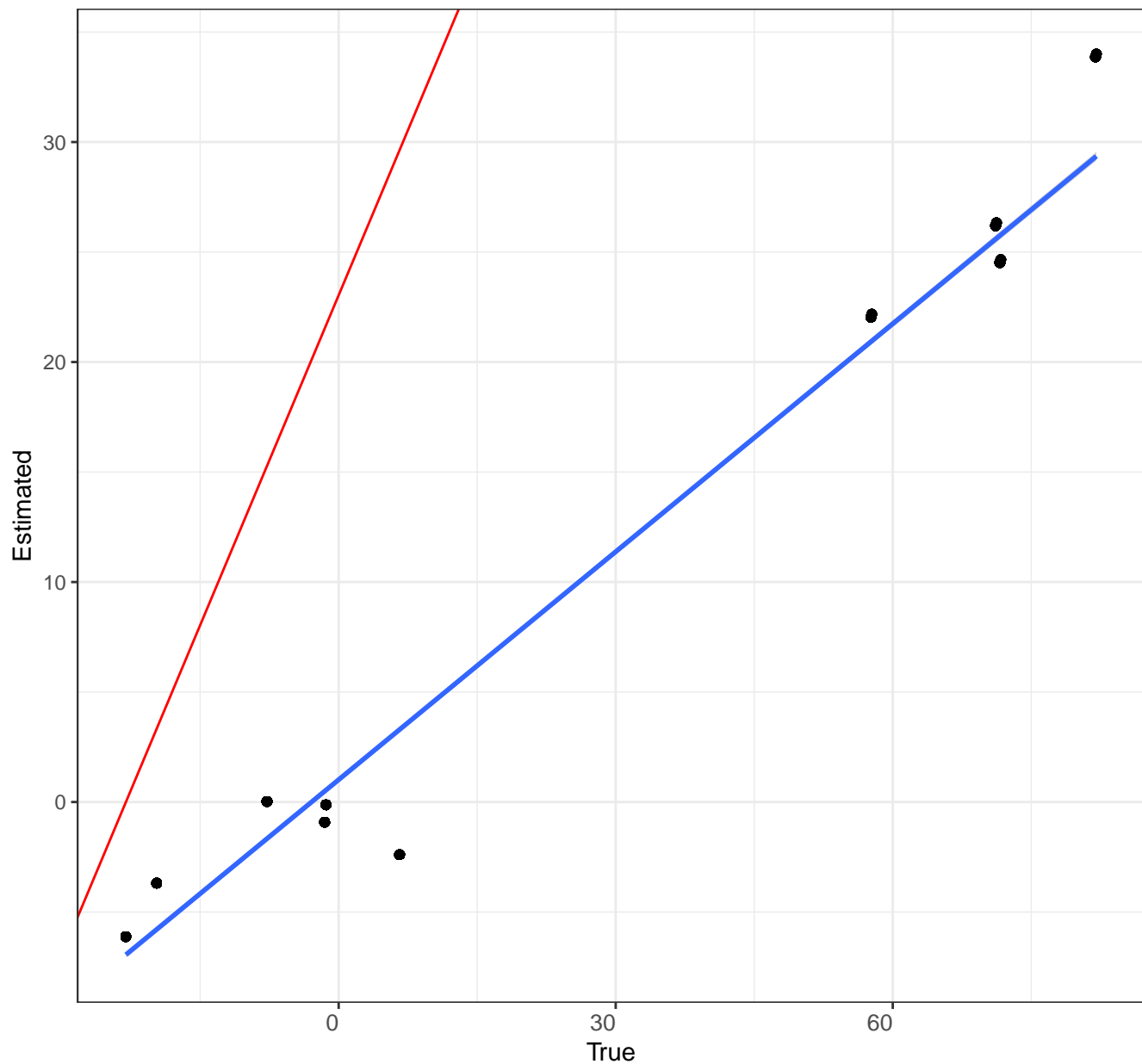
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



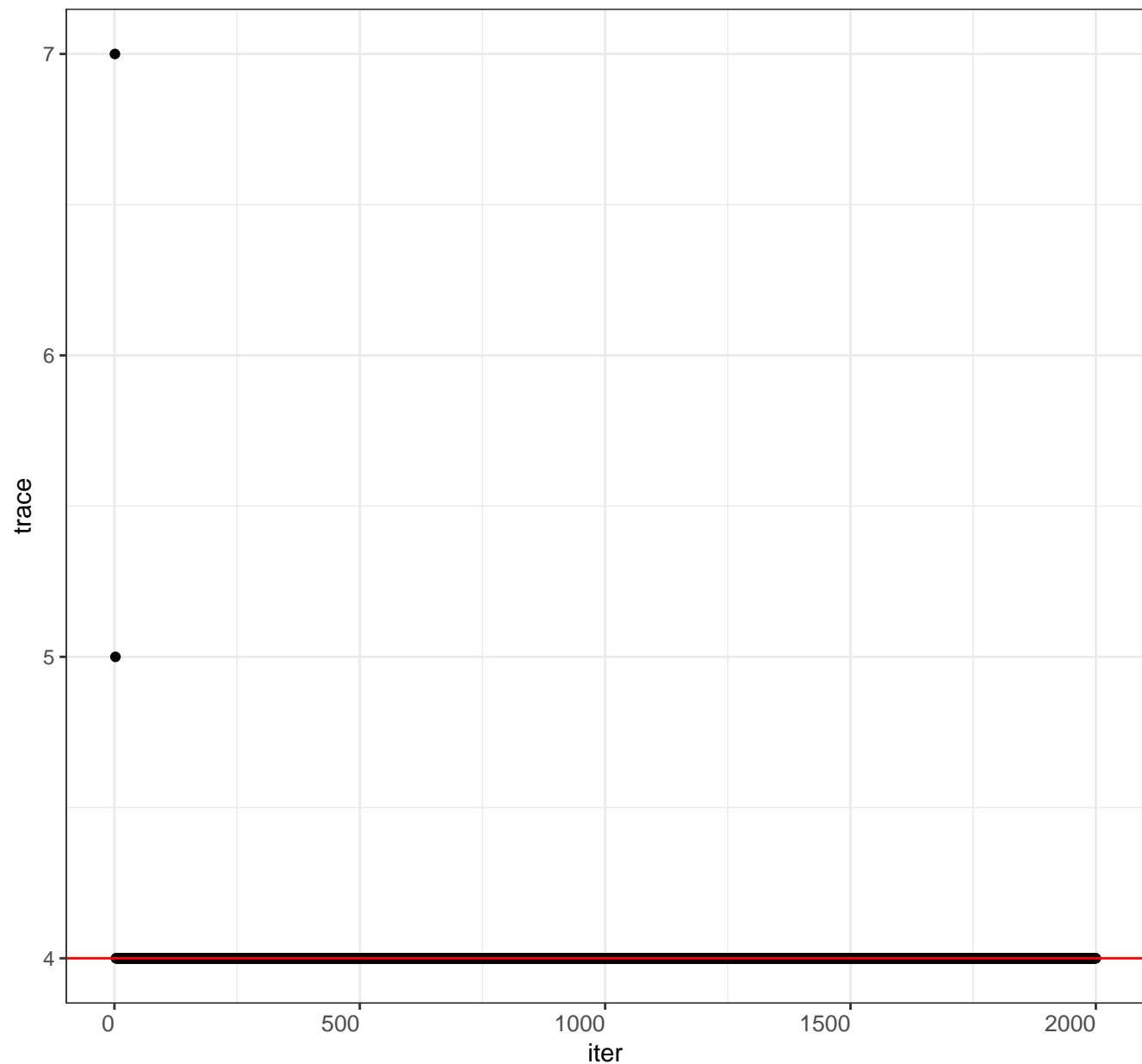
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=5 true K=4 type=2

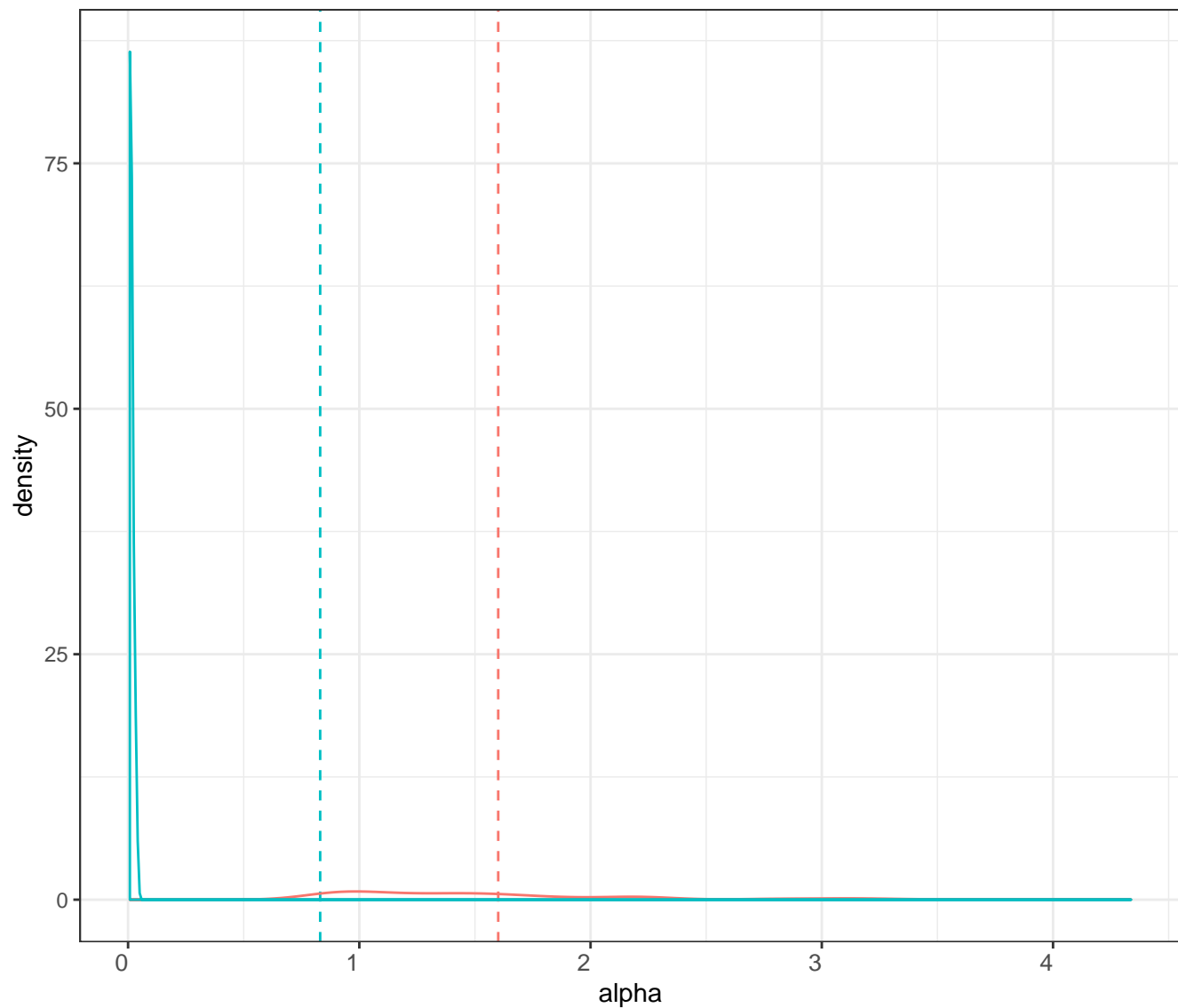
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

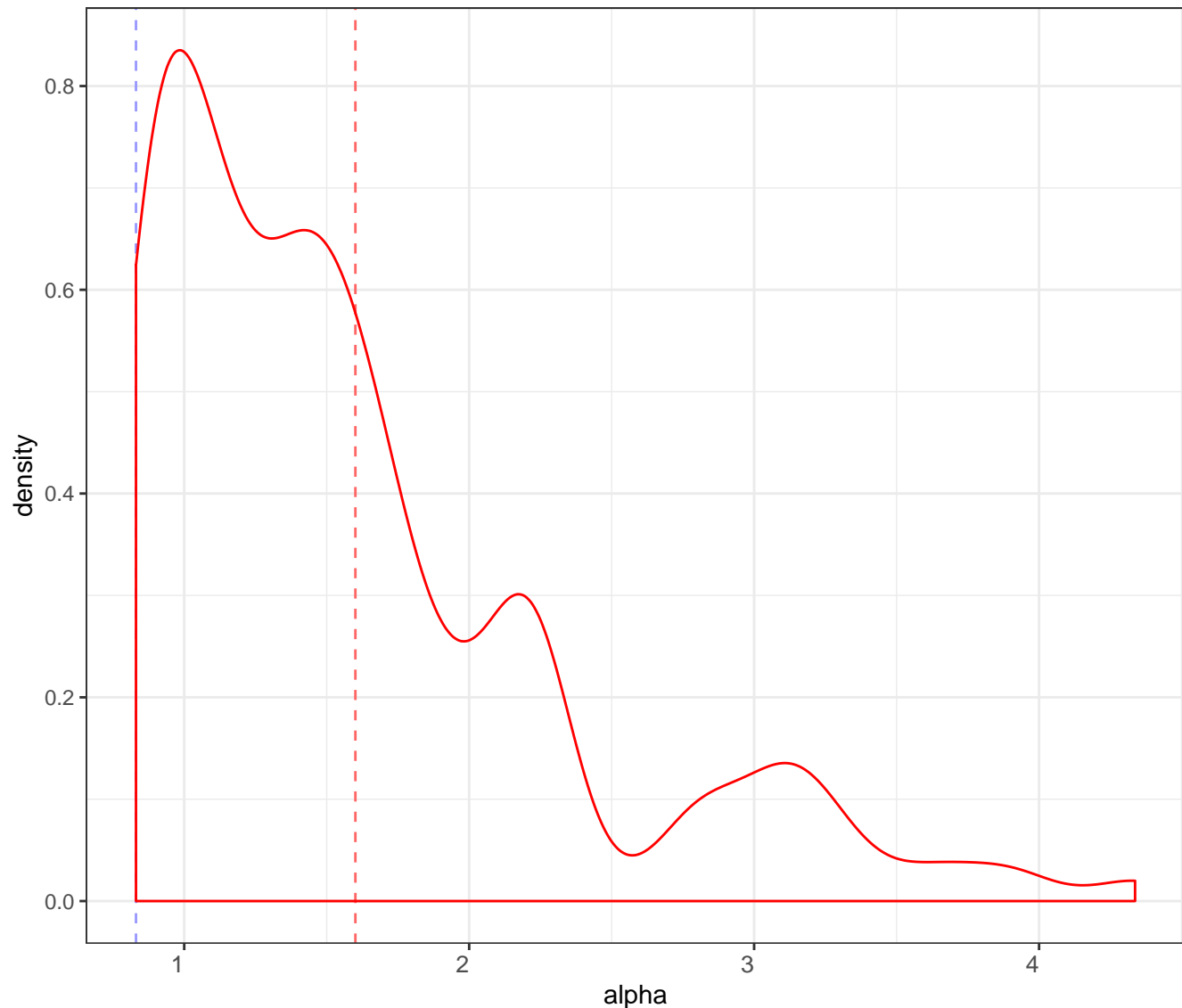
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

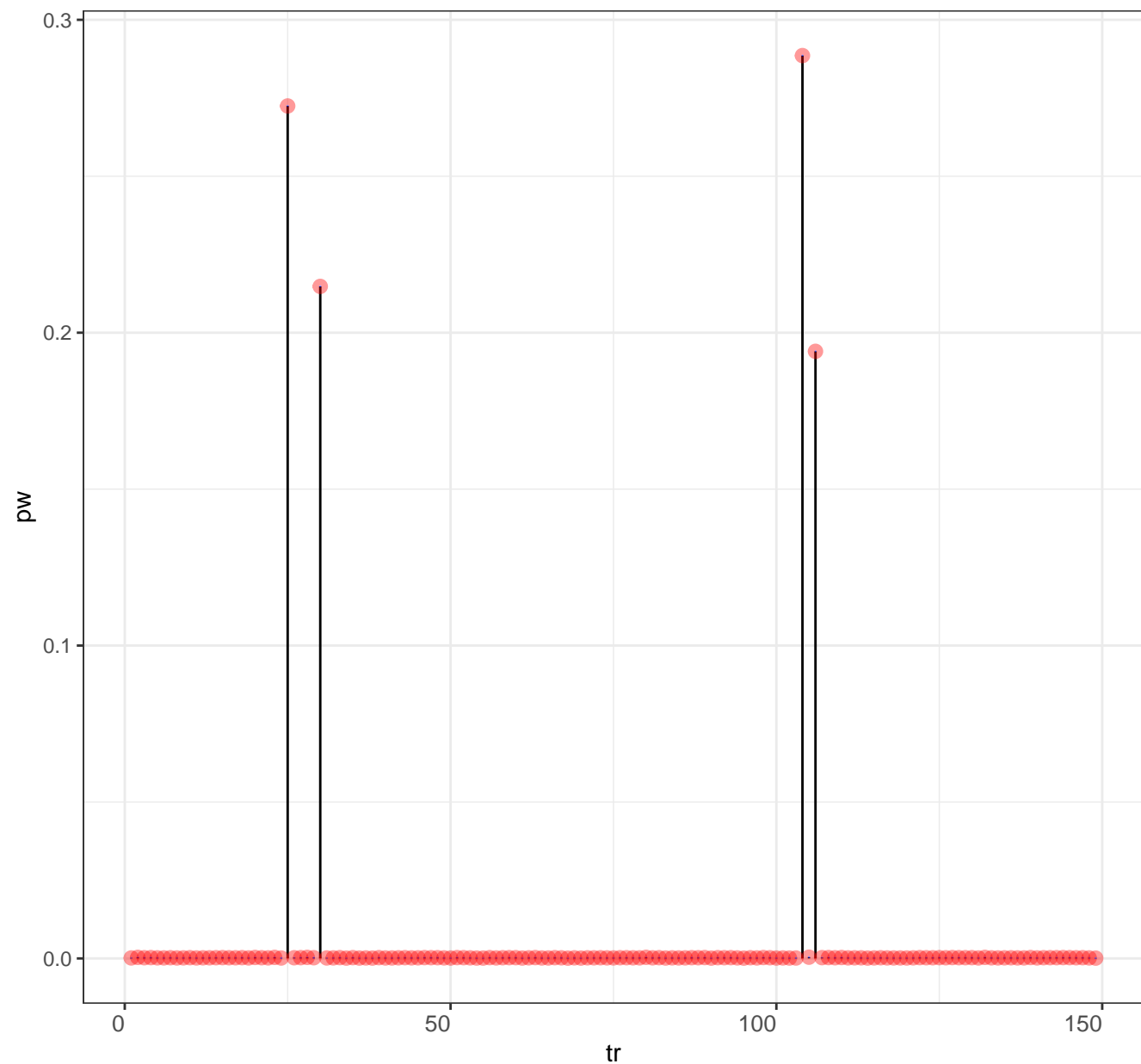
Posterior distribution for alpha

Legend posterior mean prior mean



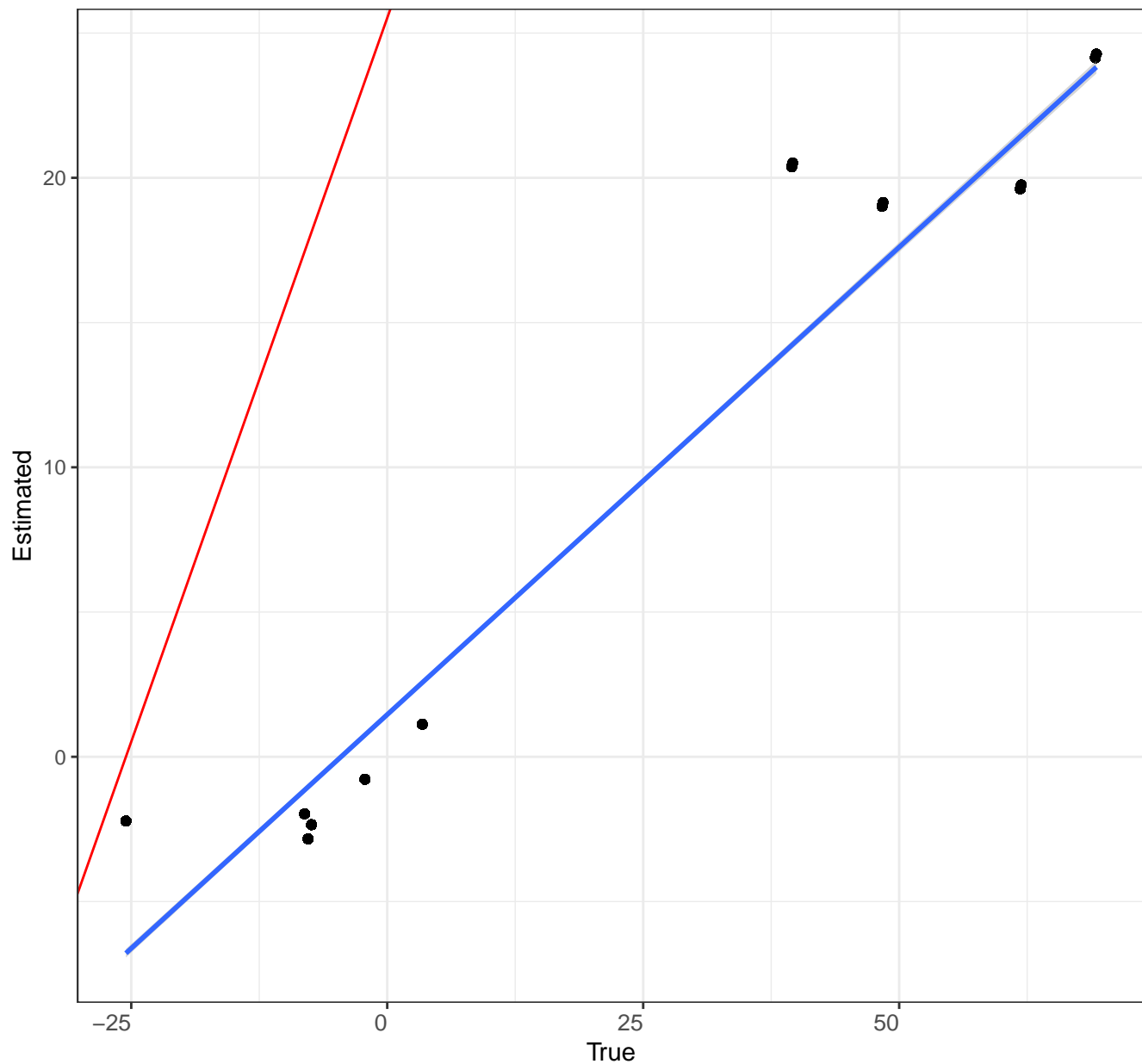
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



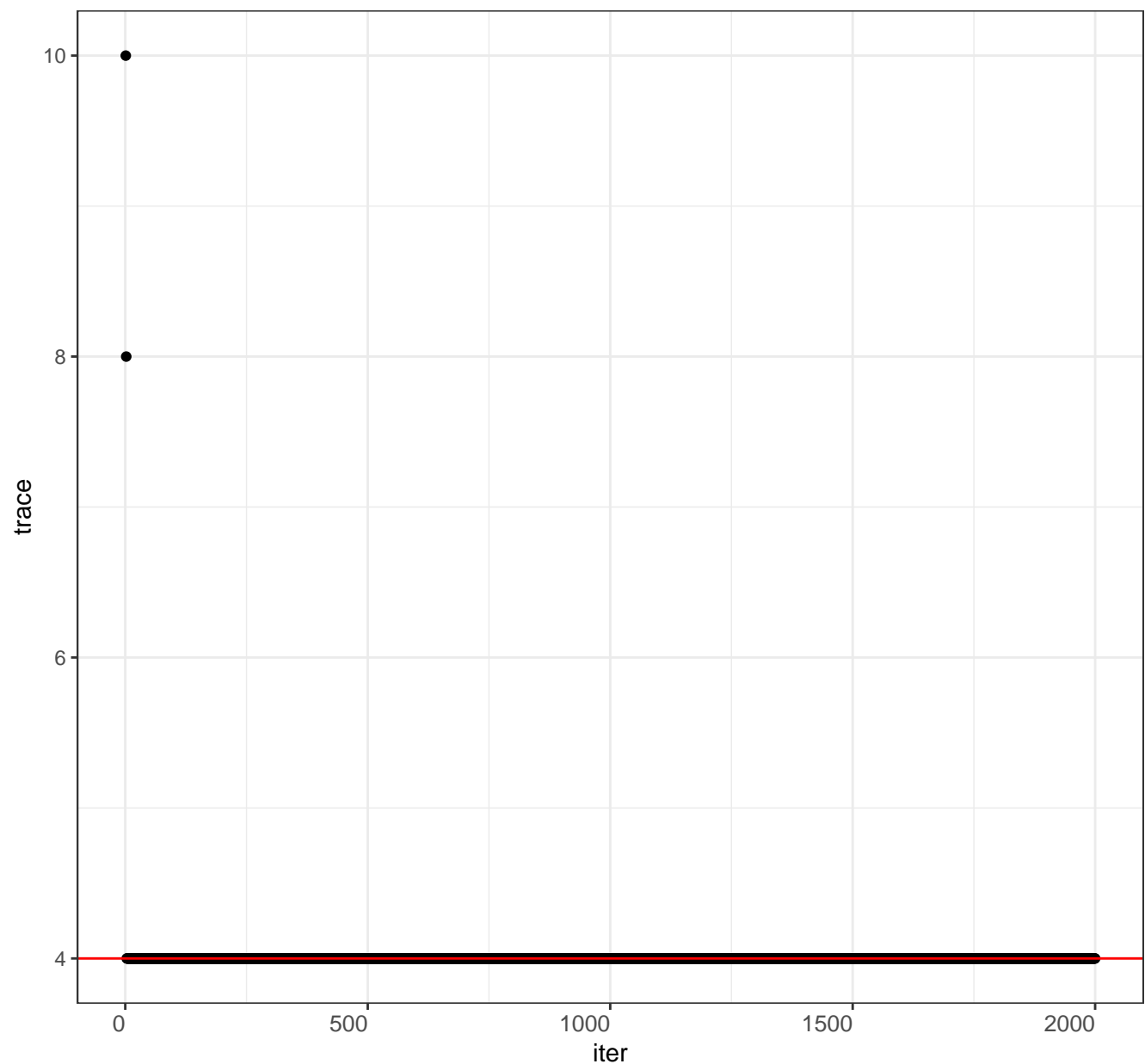
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 r=10 true K=4 type=2

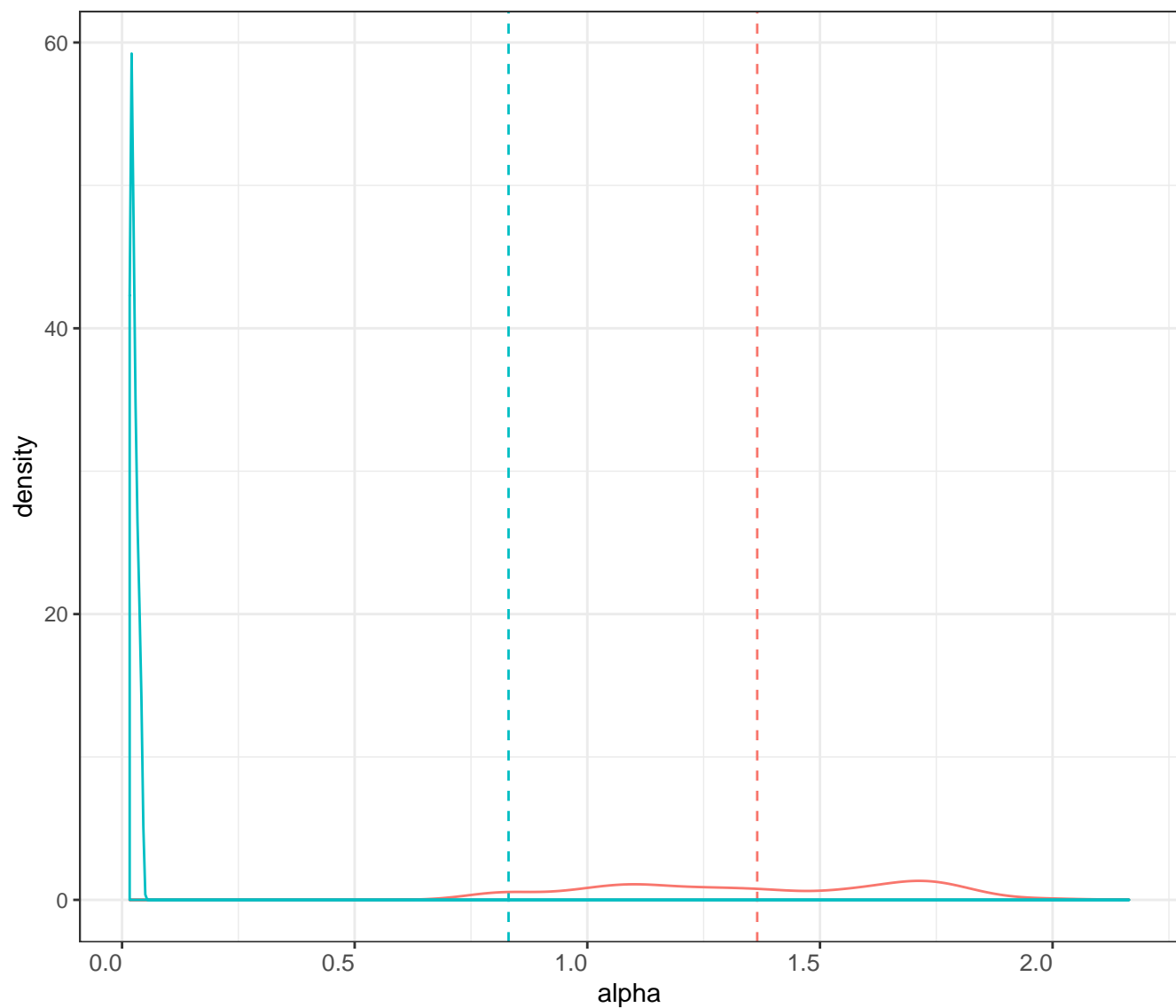
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000 number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

type  posterior  prior



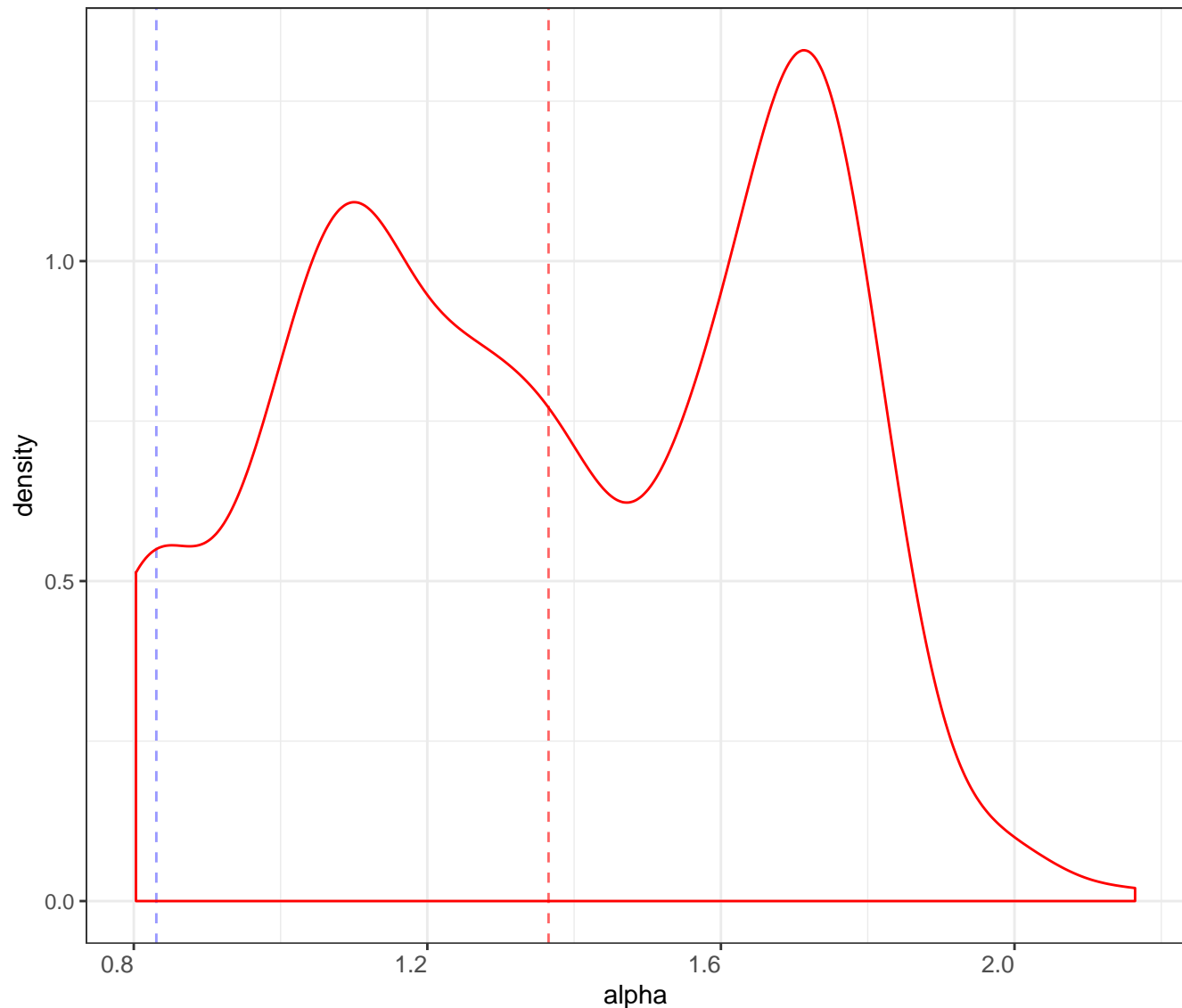
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

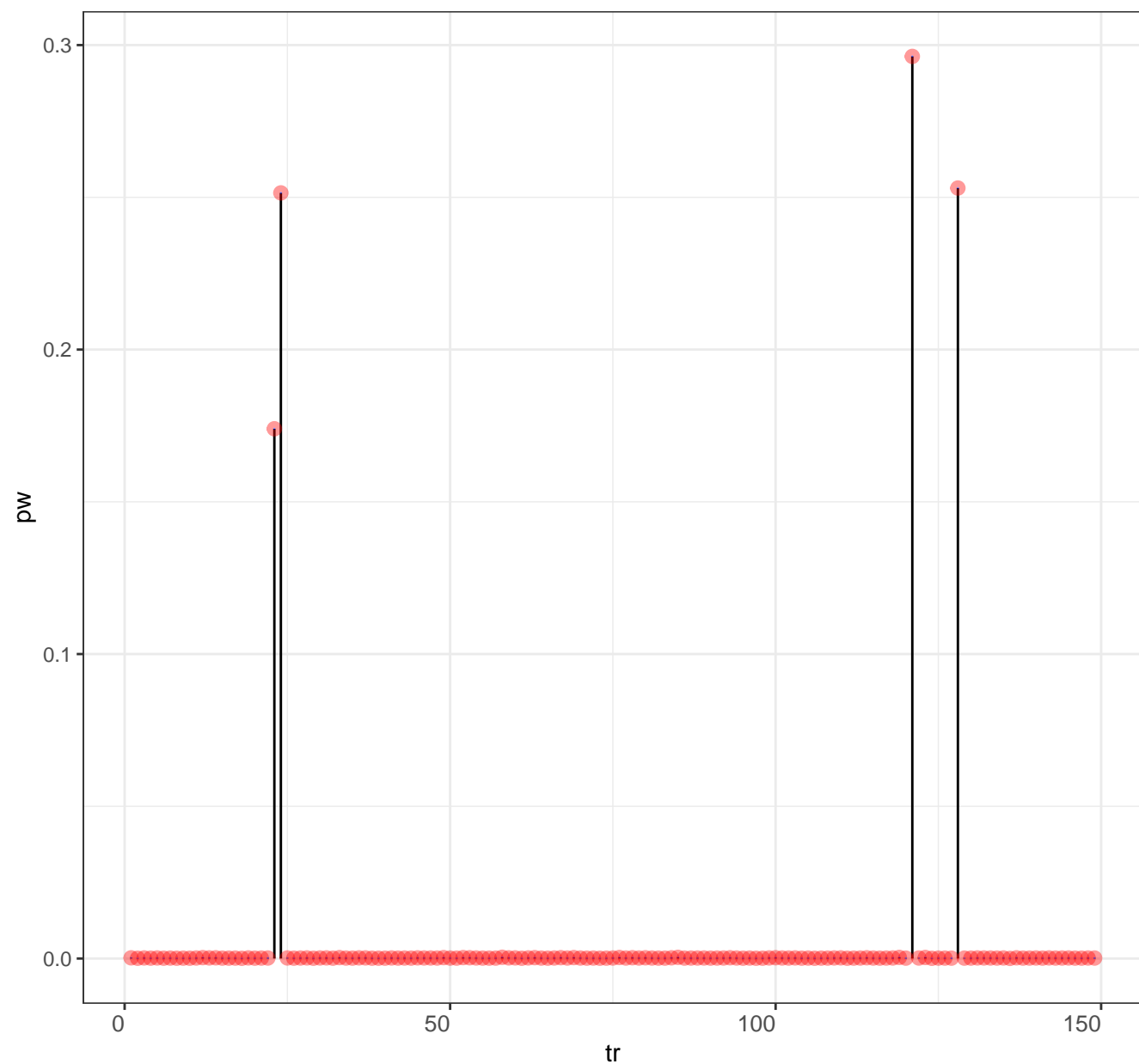
posterior mean

prior mean



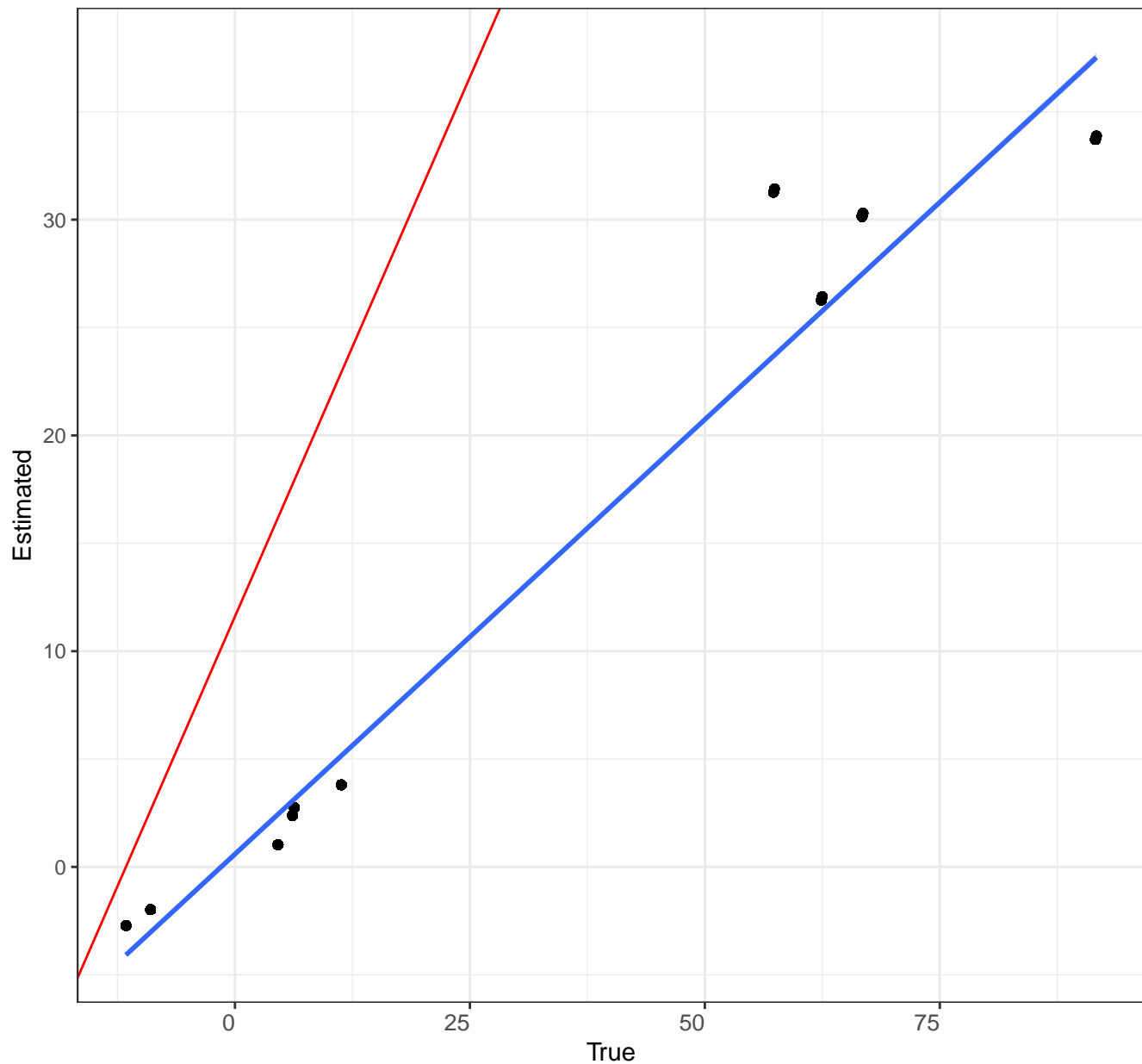
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



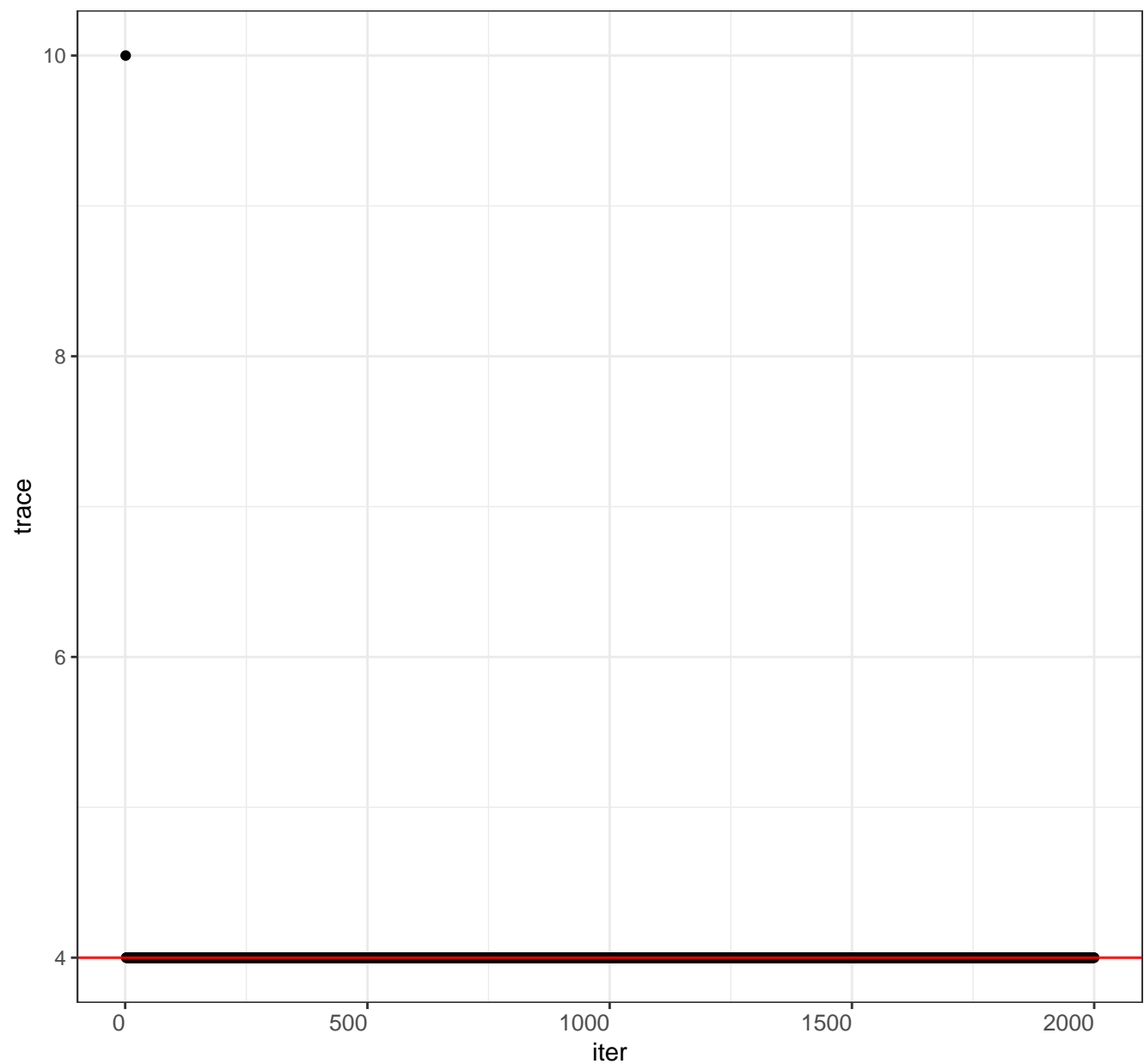
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=10 true K=4 type=2

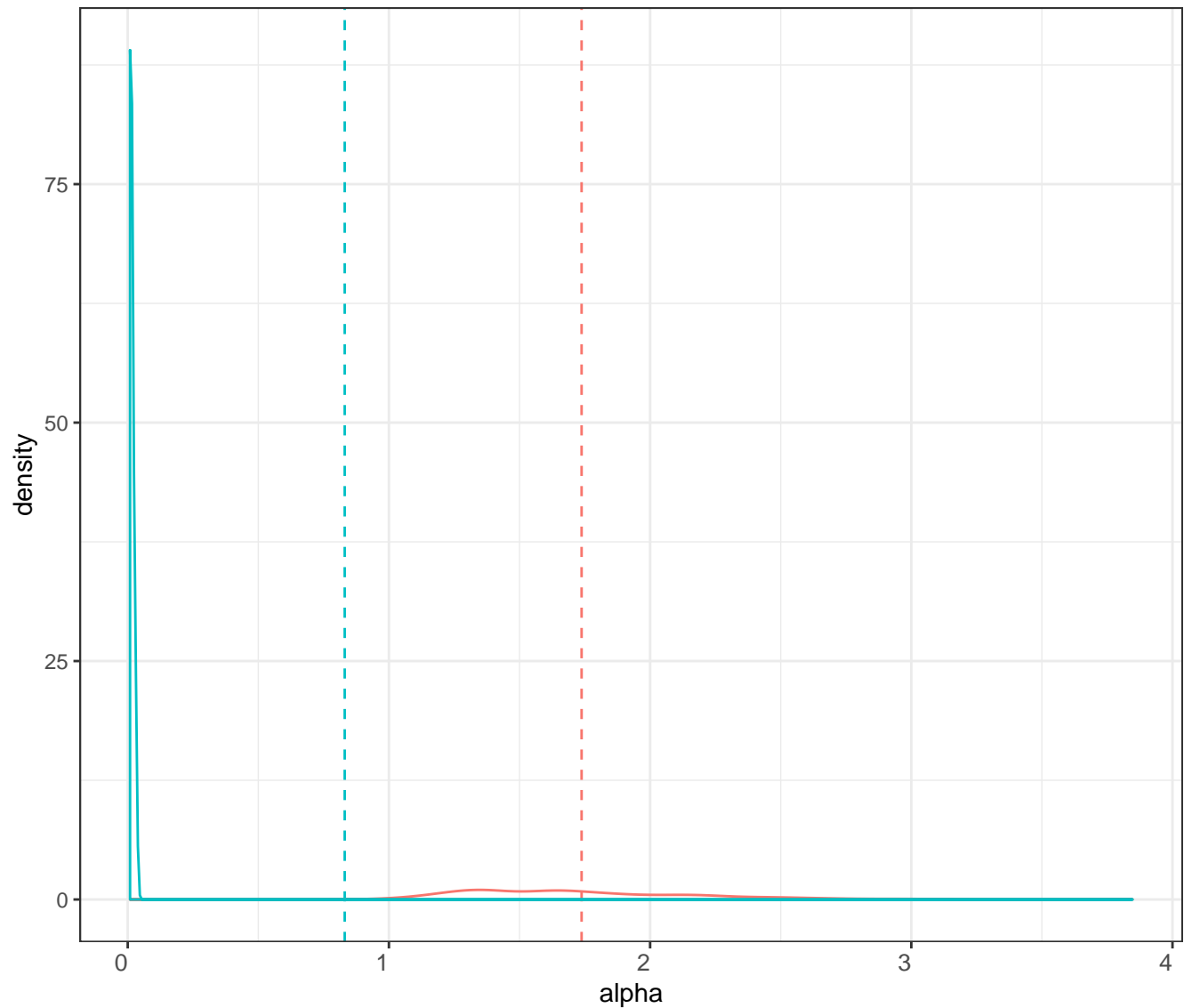
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

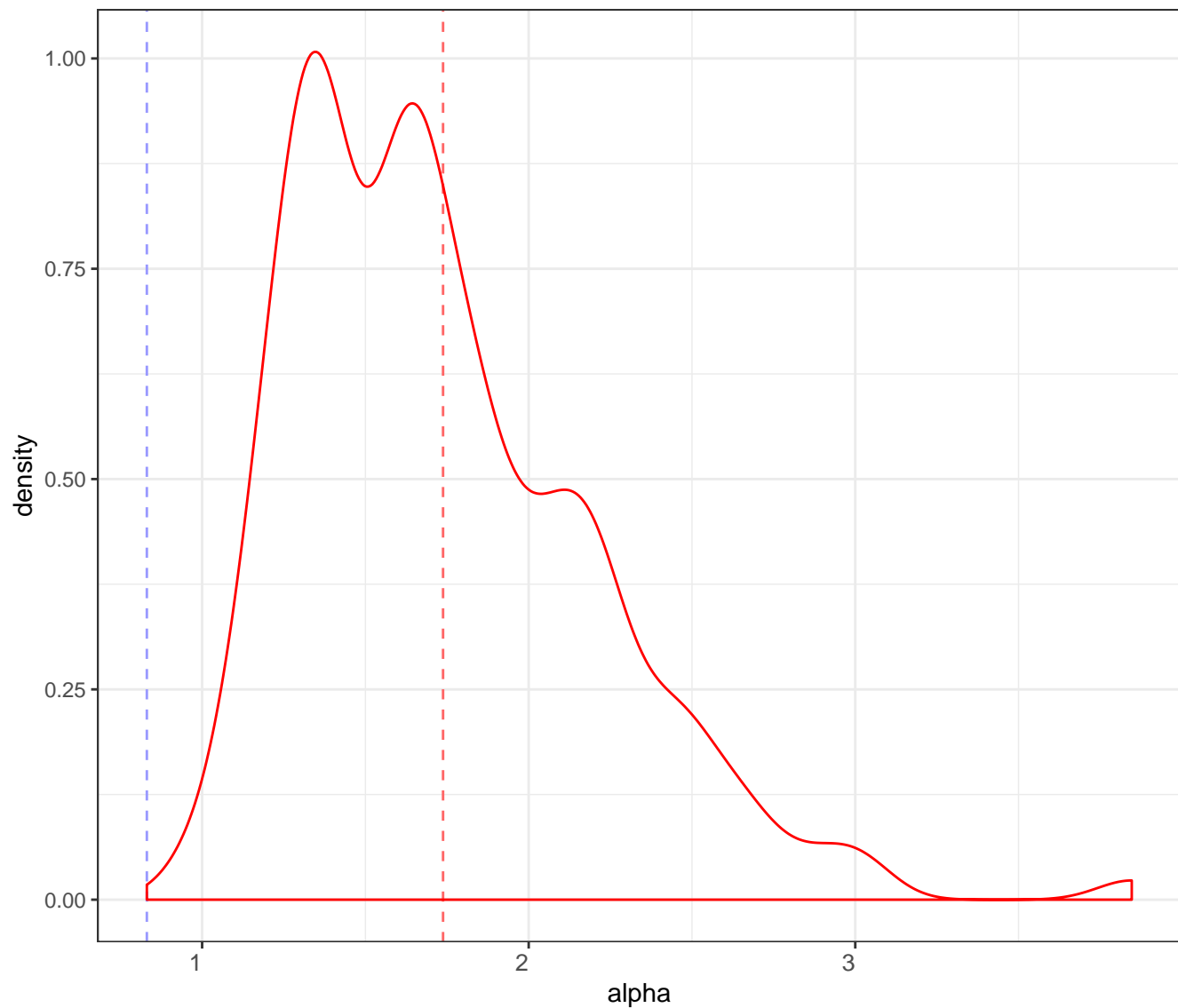
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

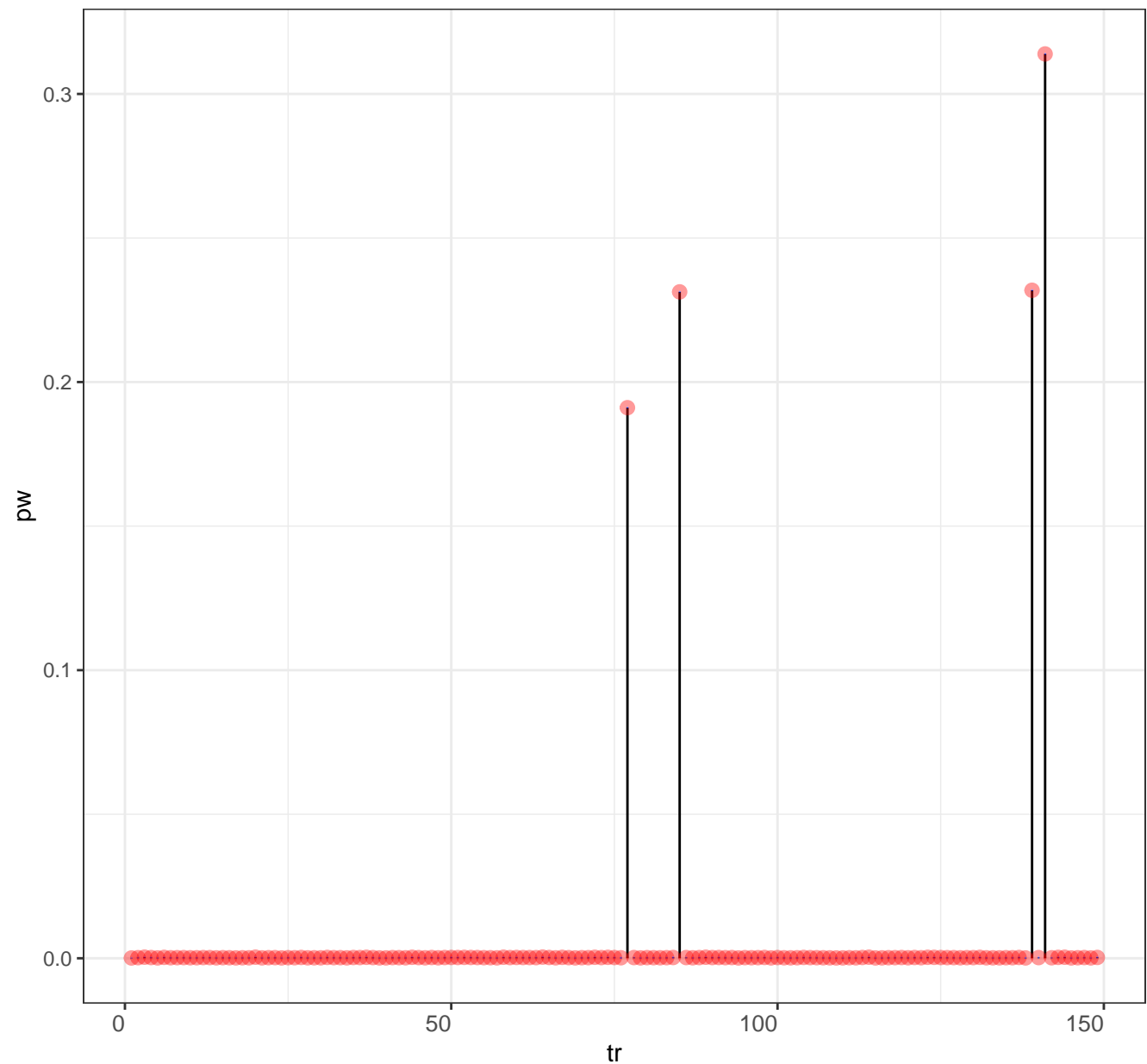
Posterior distribution for alpha

Legend posterior mean prior mean



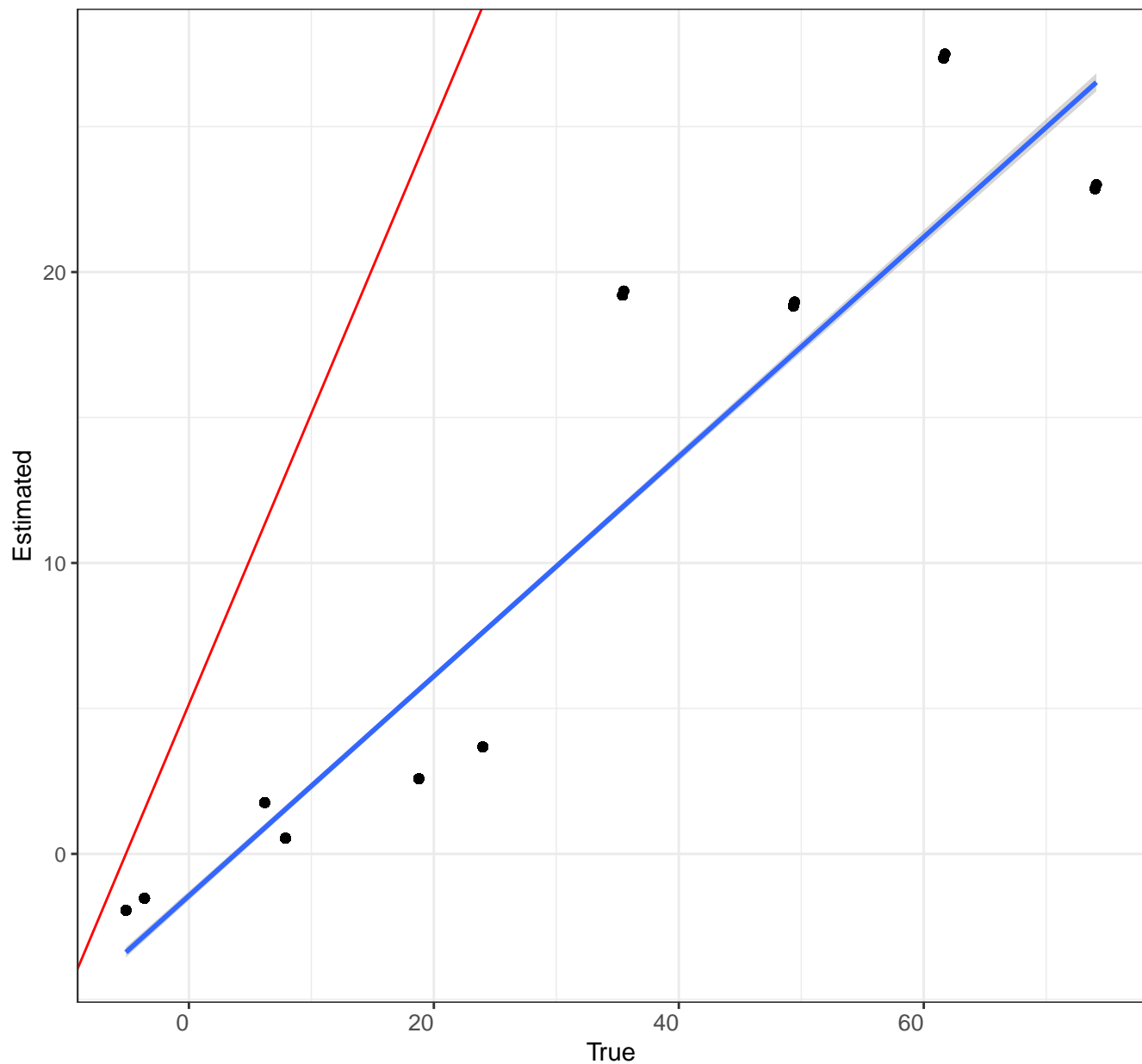
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



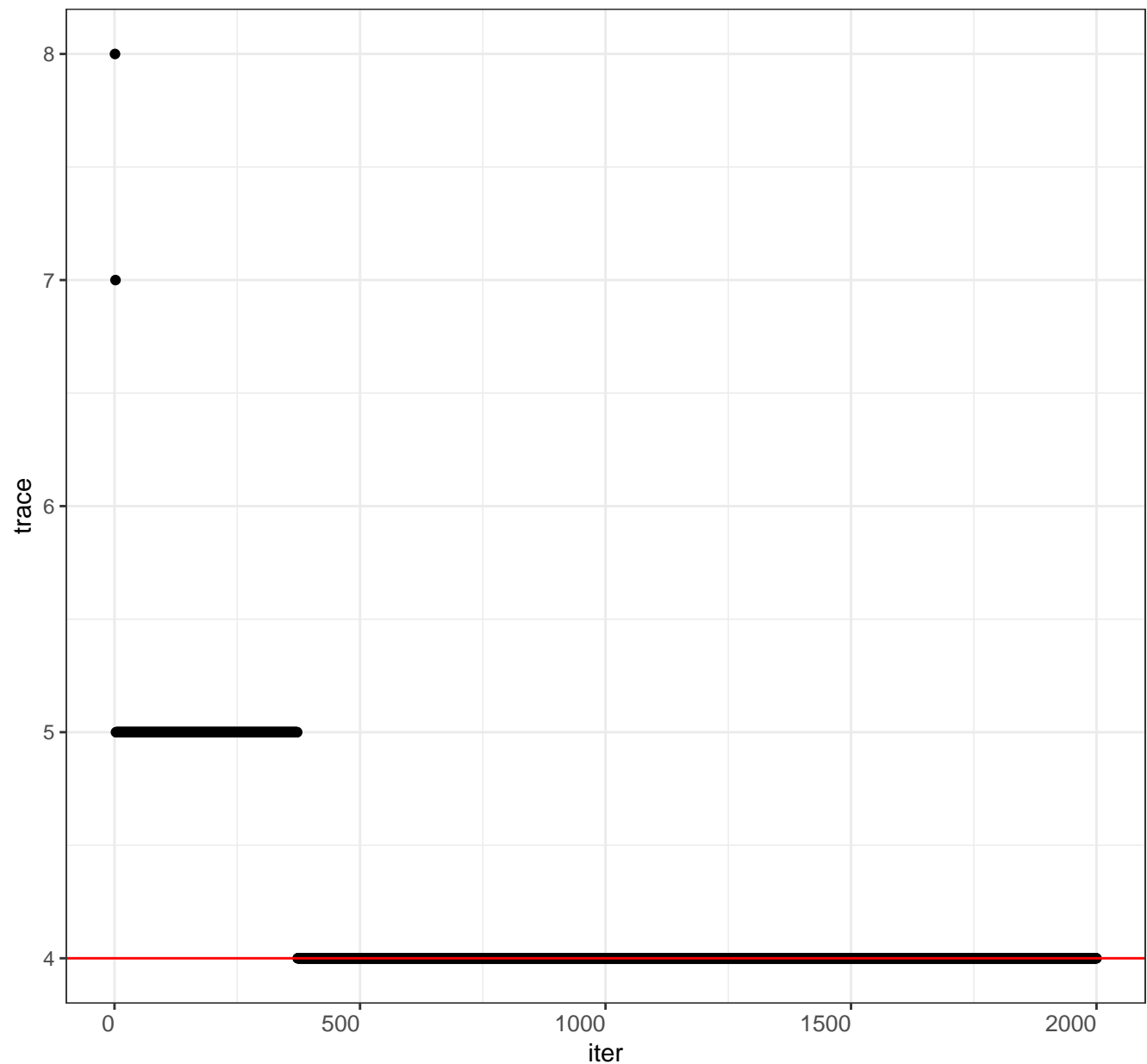
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=10 true K=4 type=2

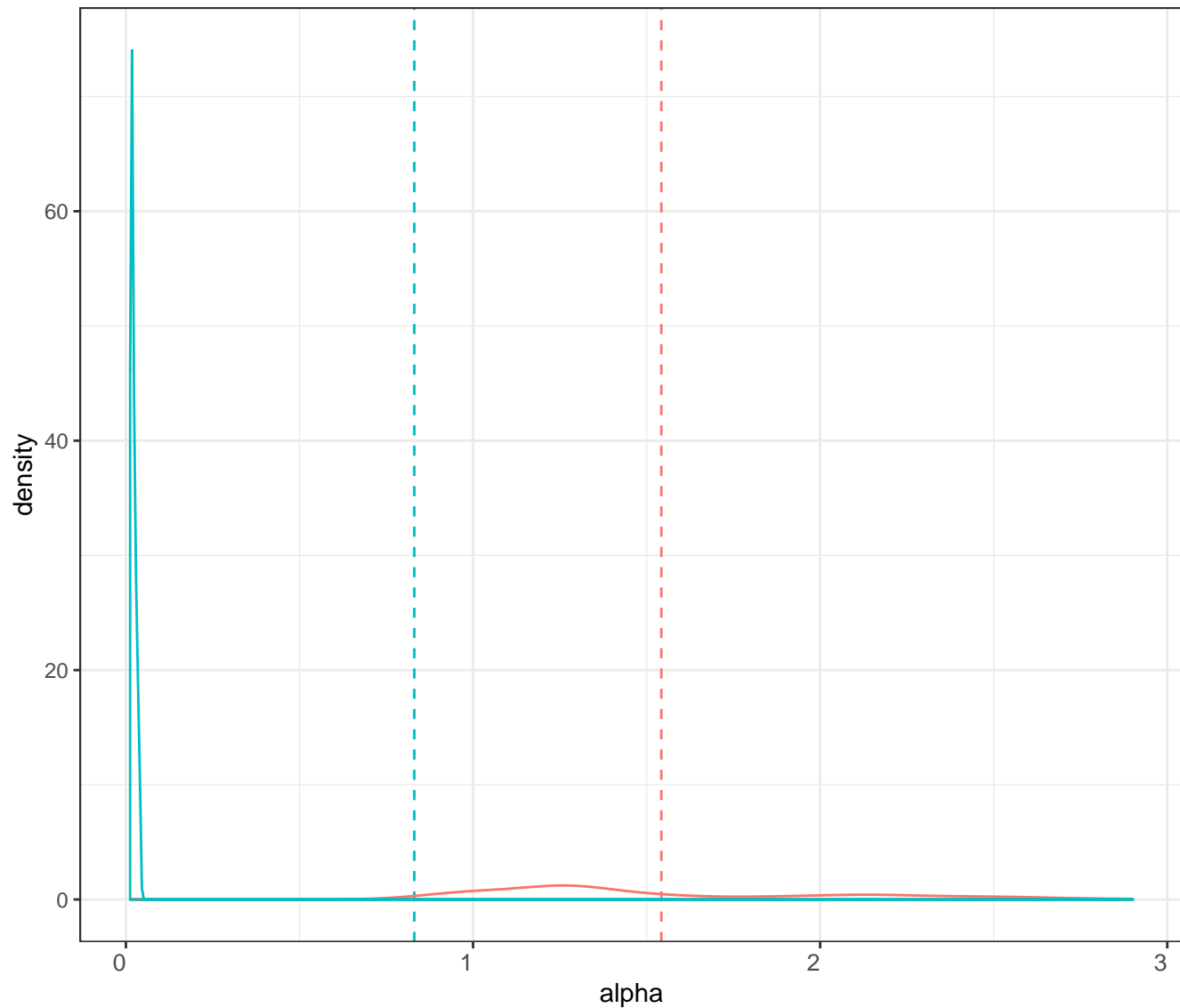
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

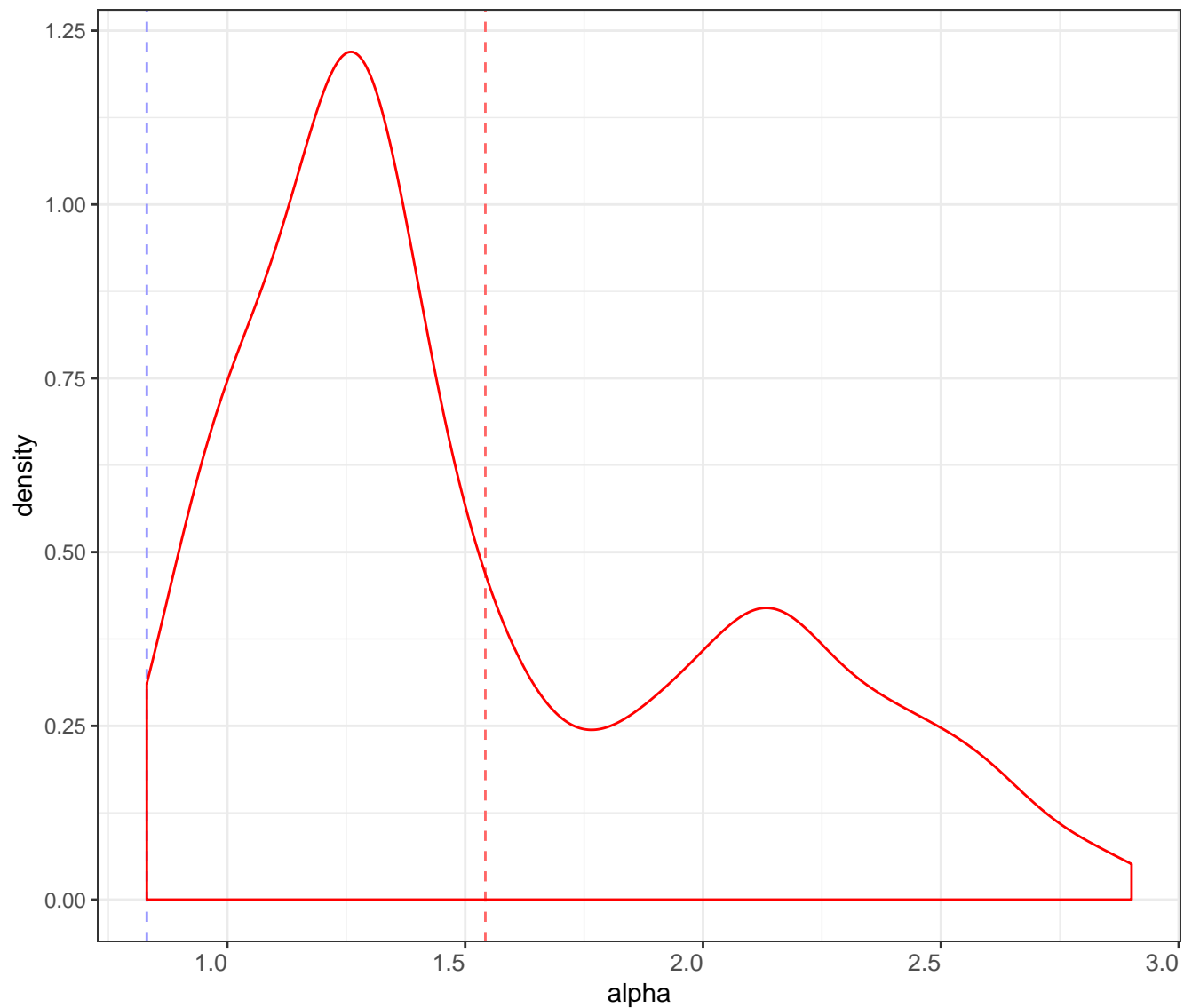
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

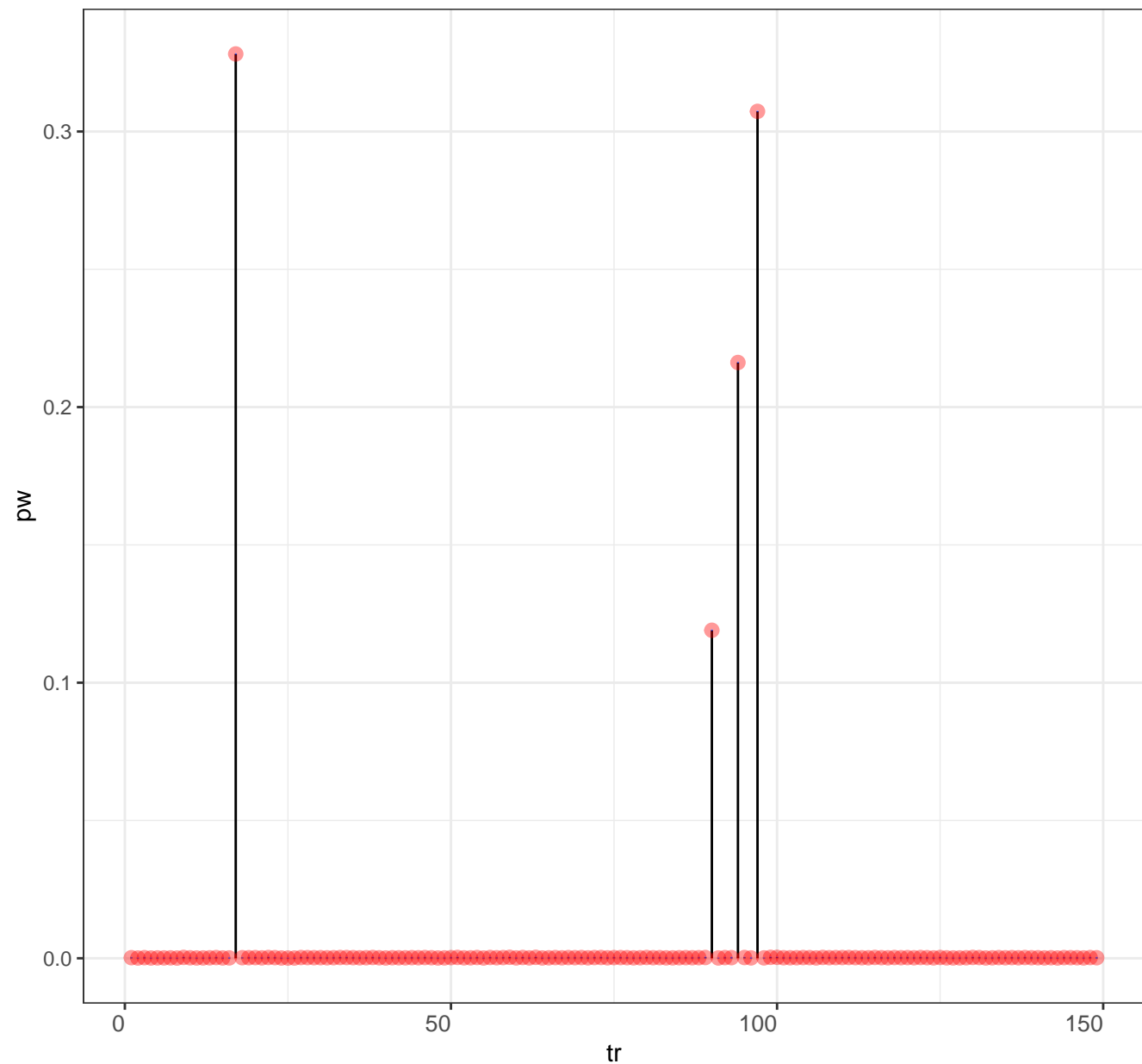
Posterior distribution for alpha

Legend posterior mean prior mean



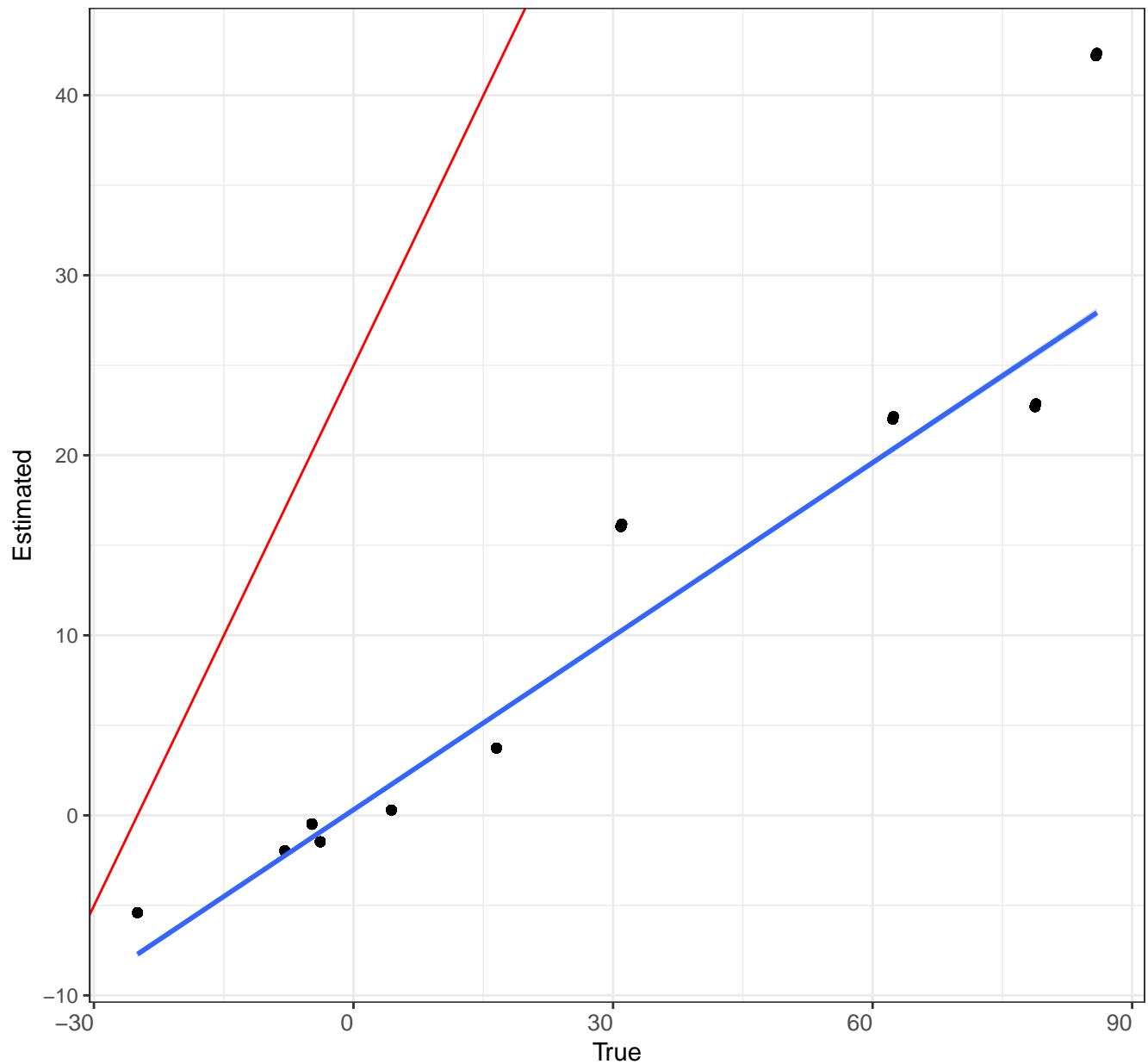
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



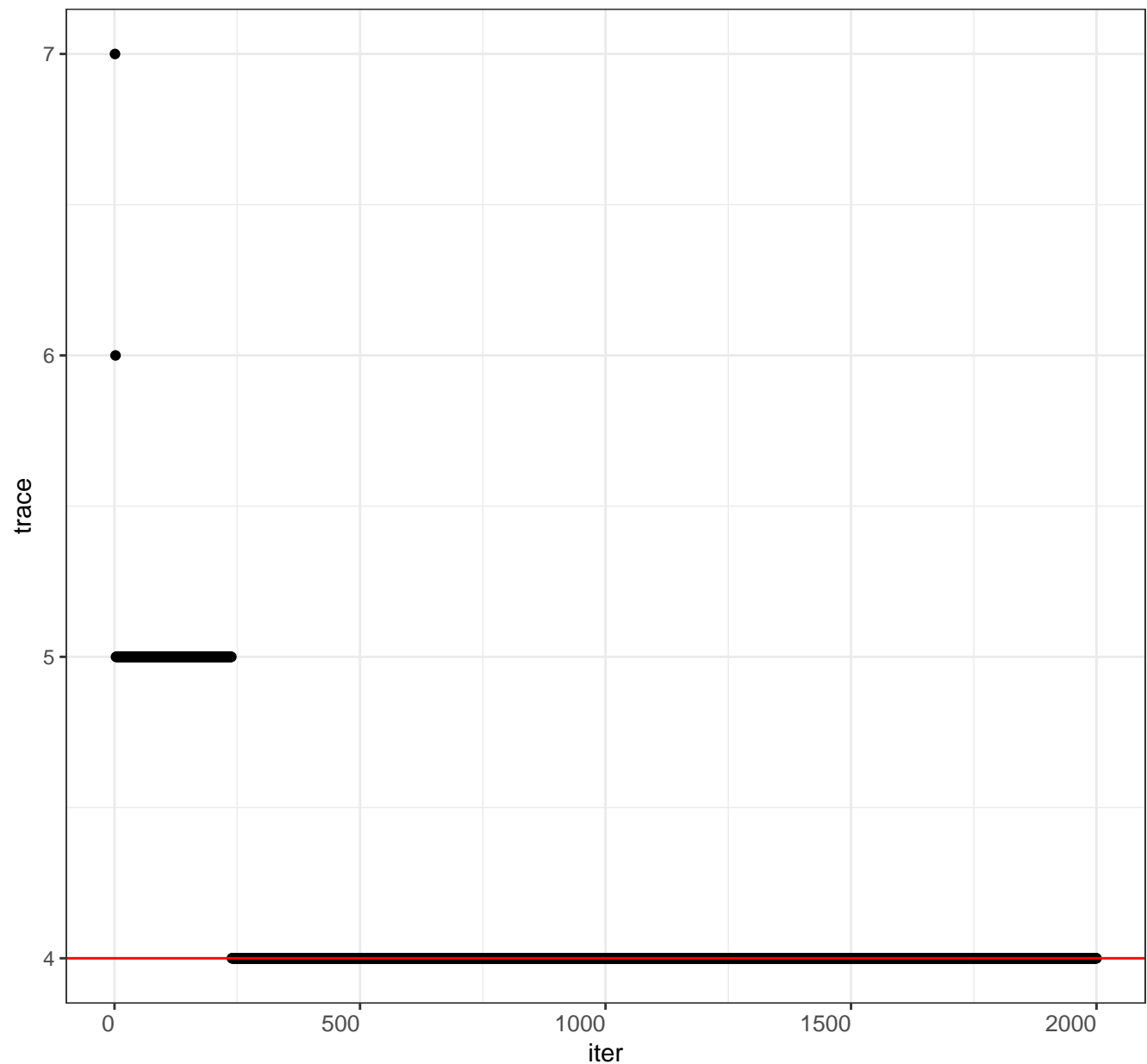
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=10 true K=4 type=2

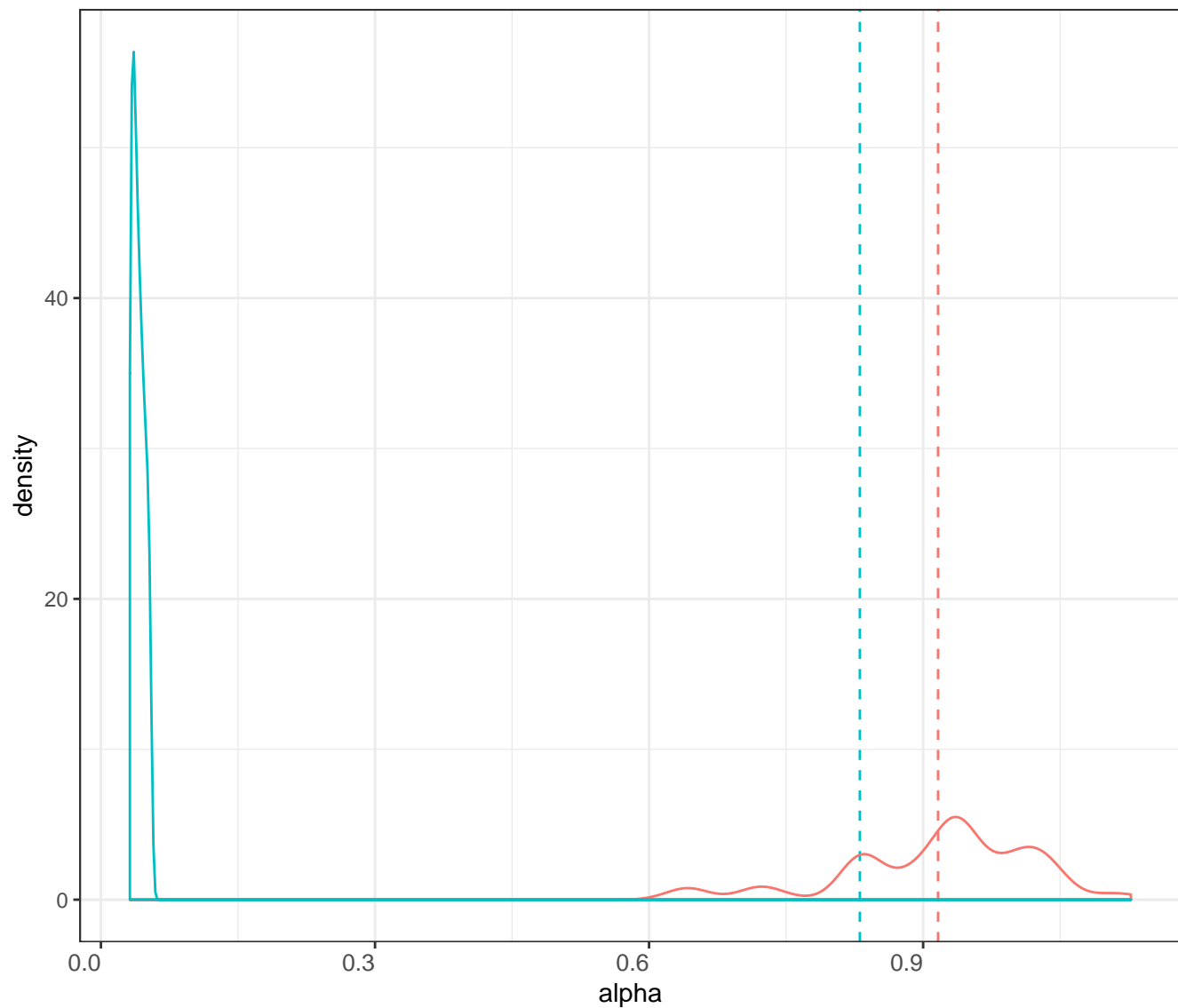
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

type  posterior  prior



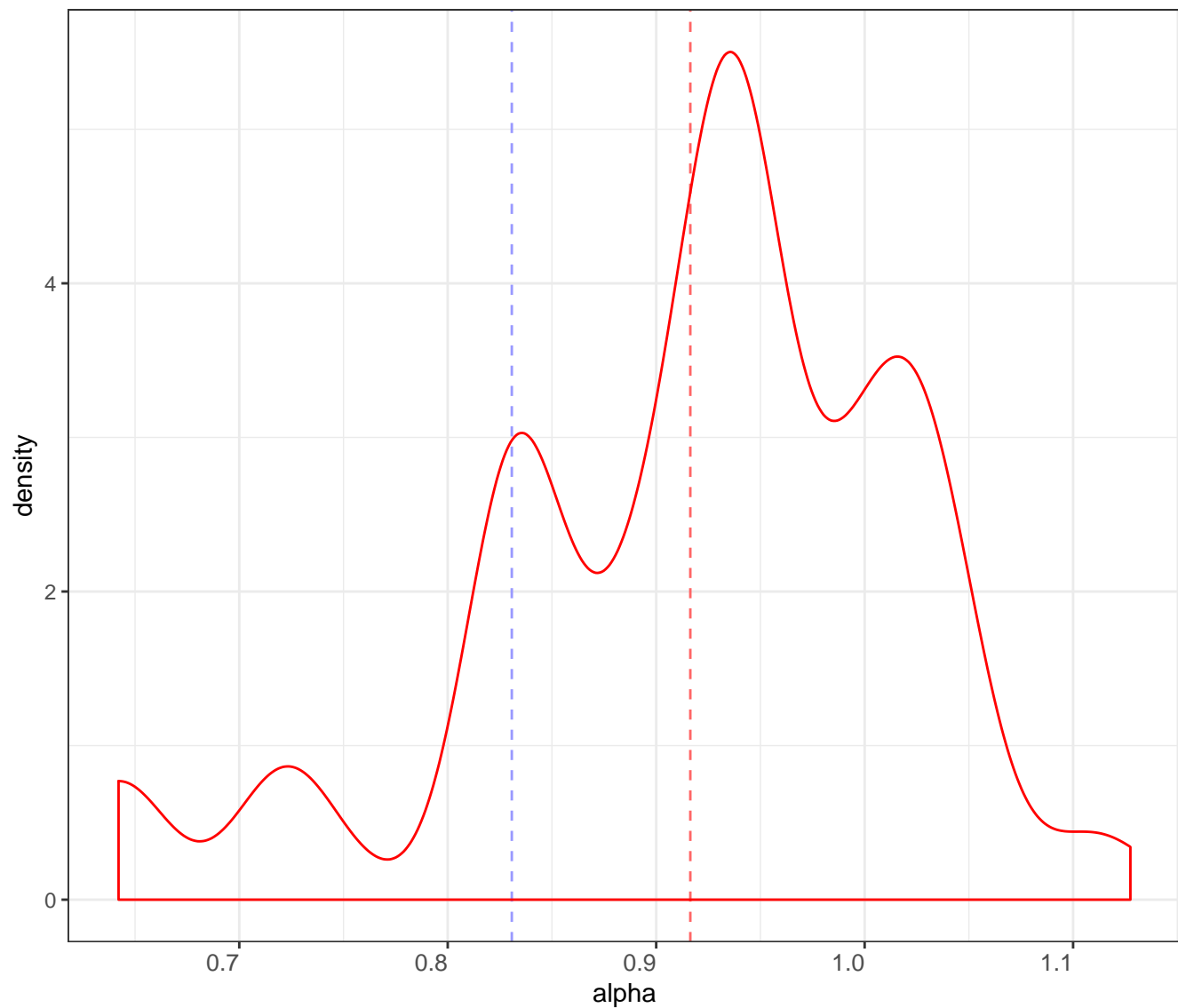
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

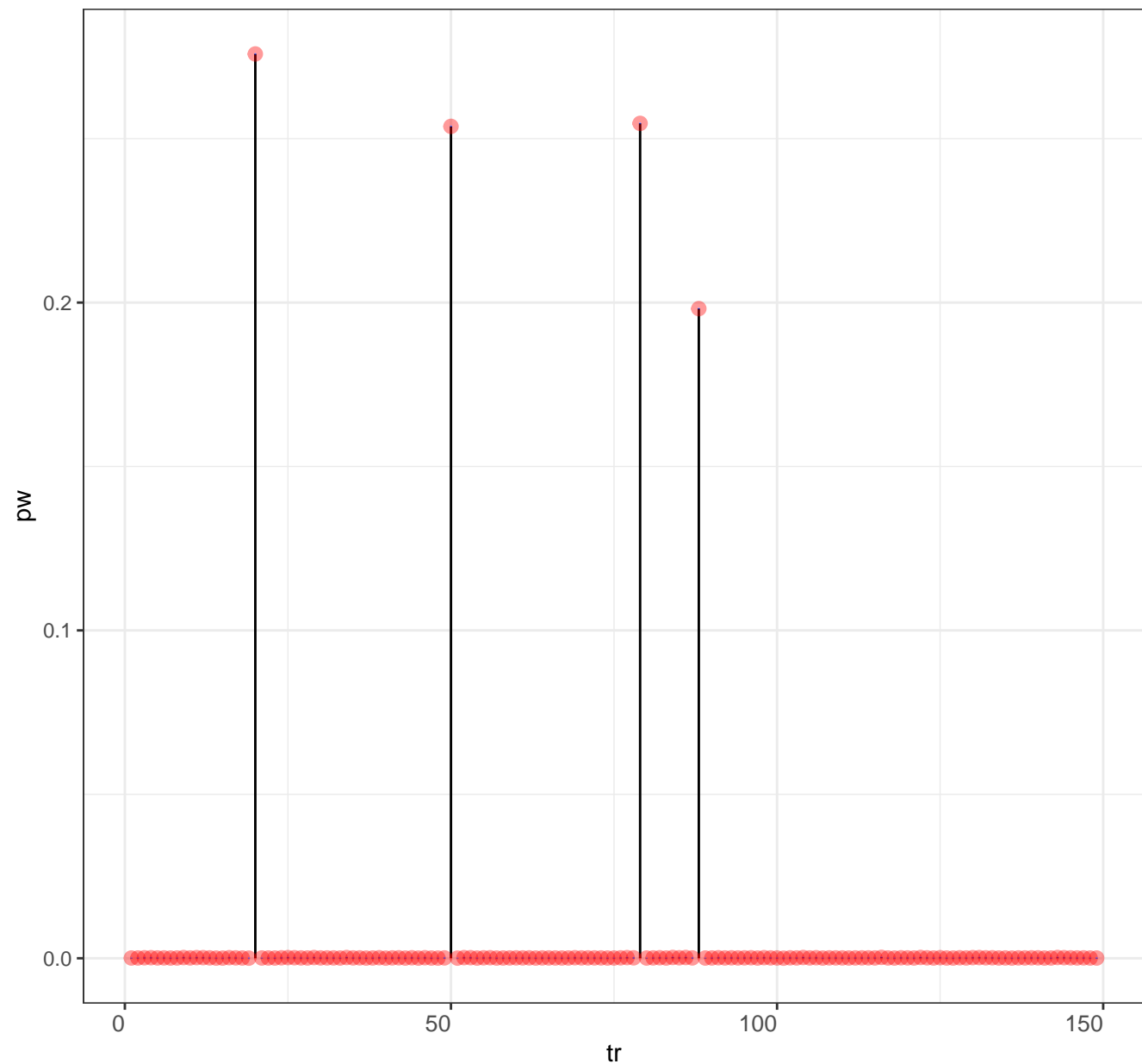
posterior mean

prior mean



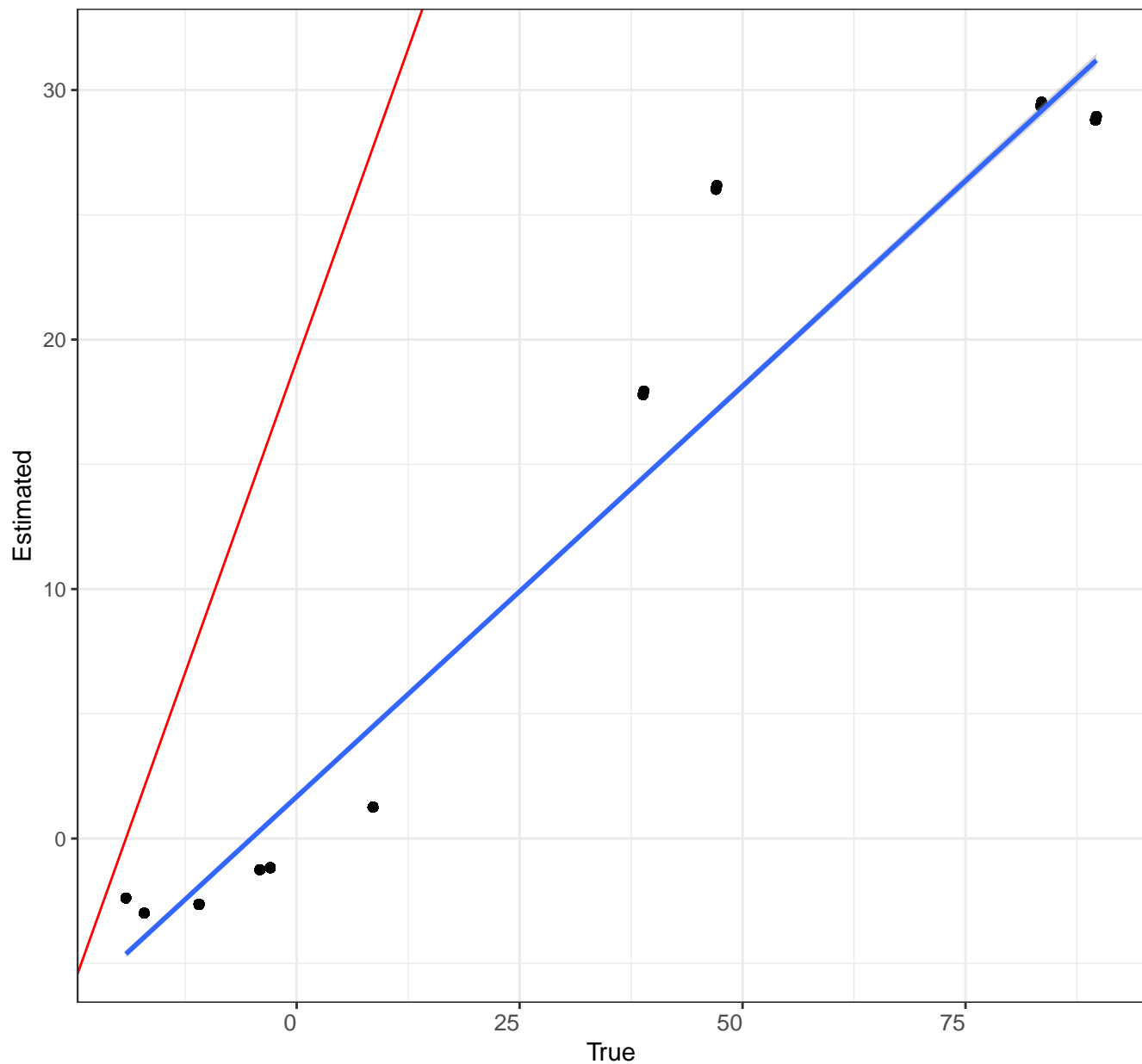
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



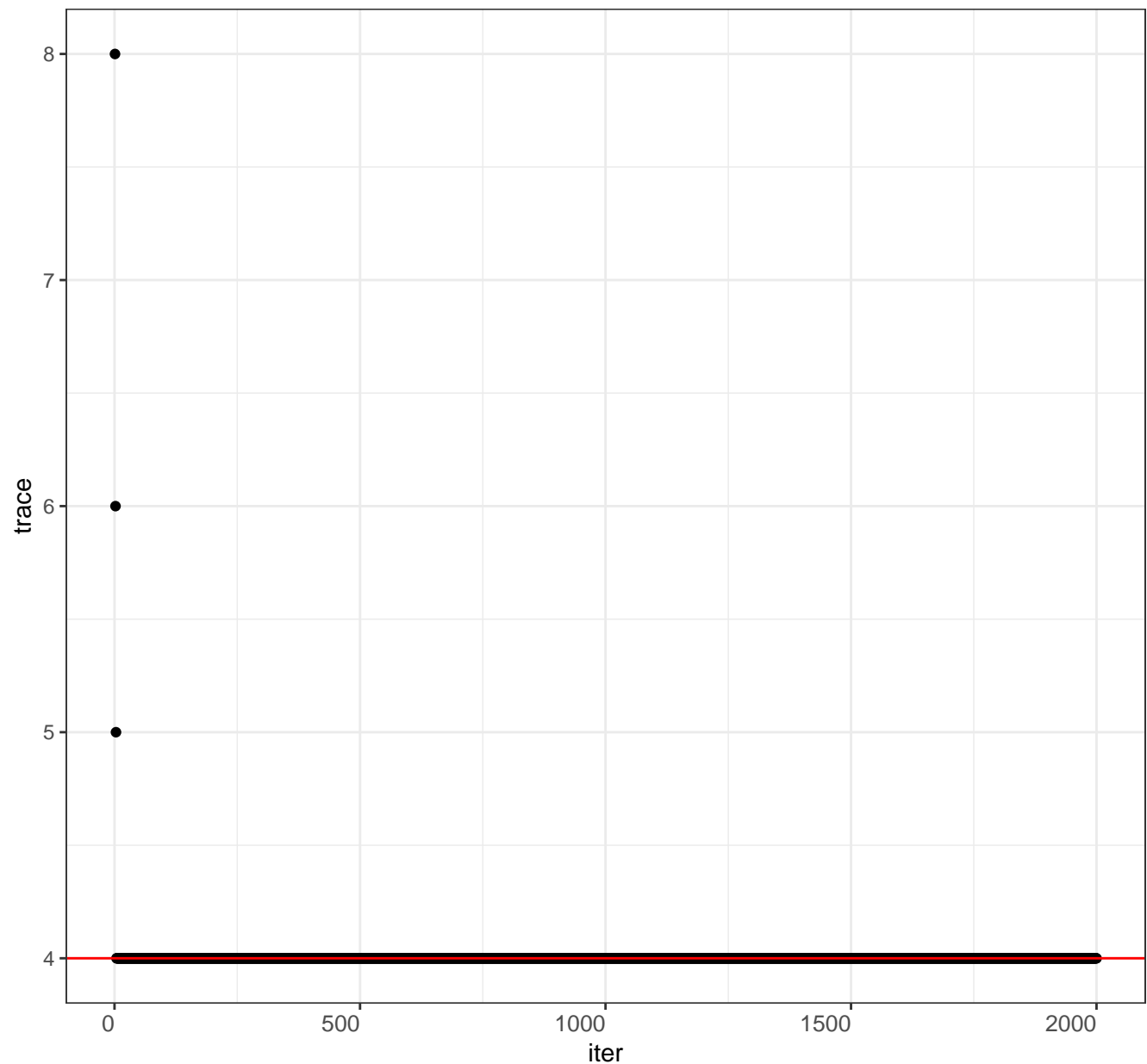
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=10 true K=4 type=2

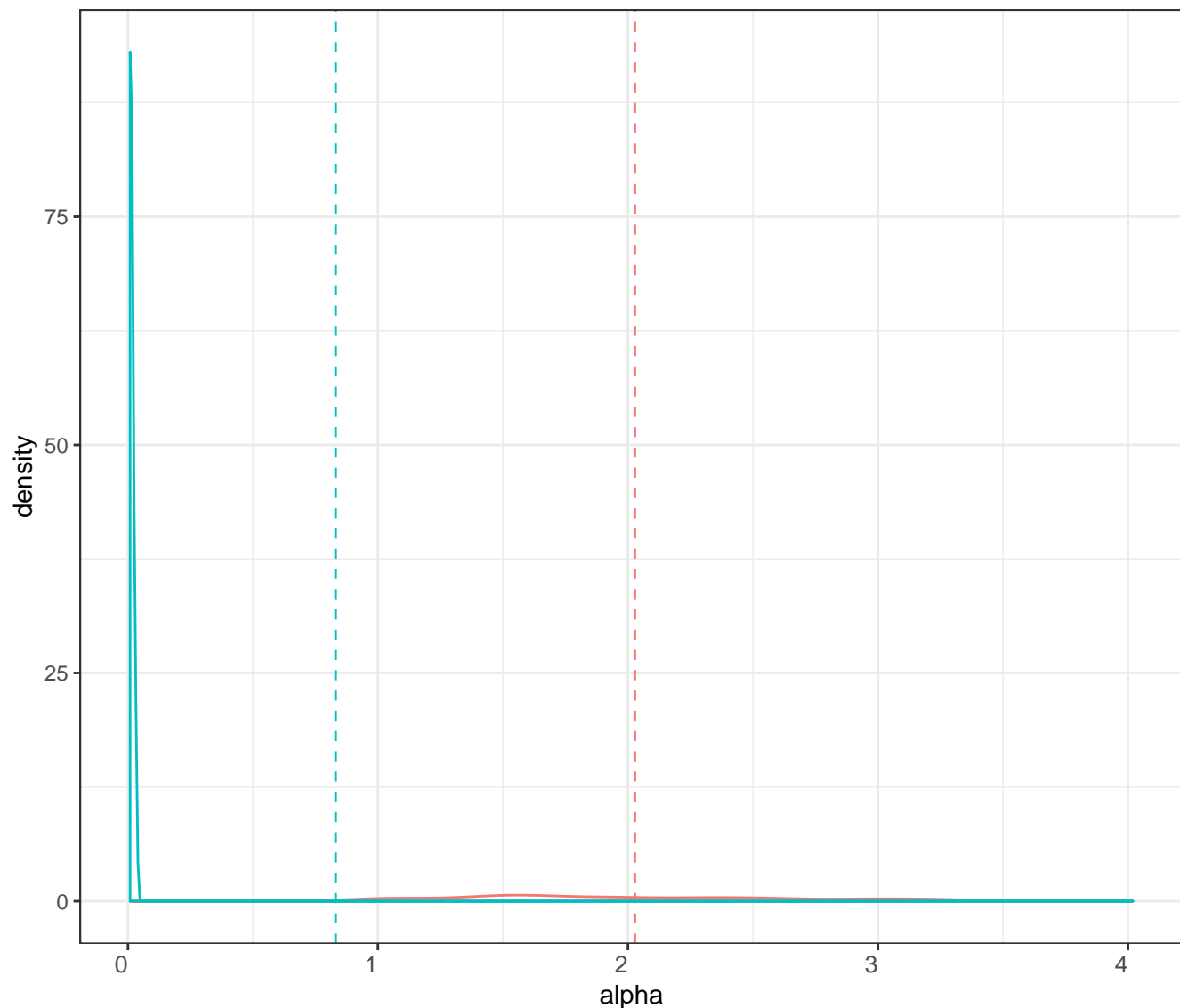
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000 number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

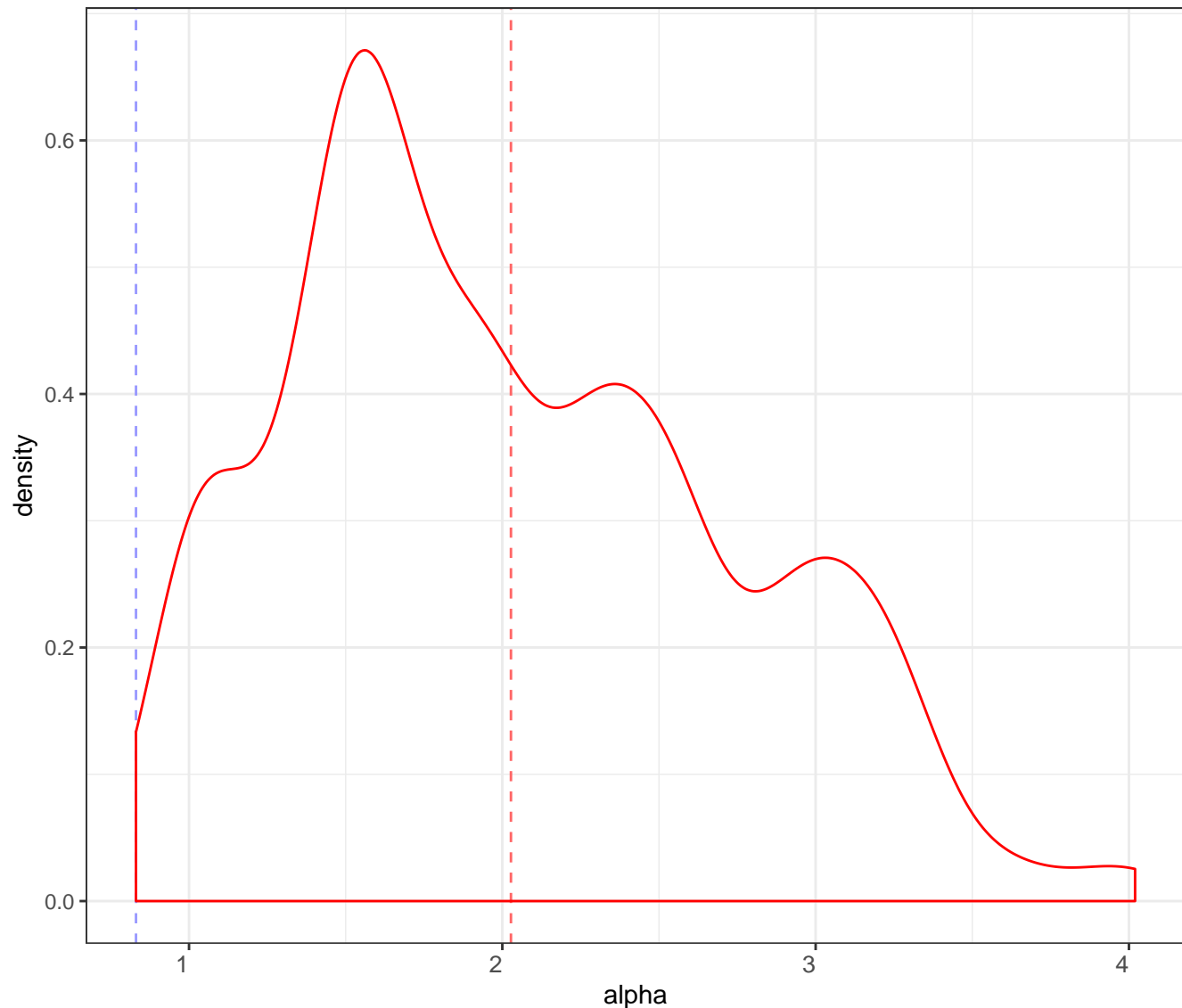
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

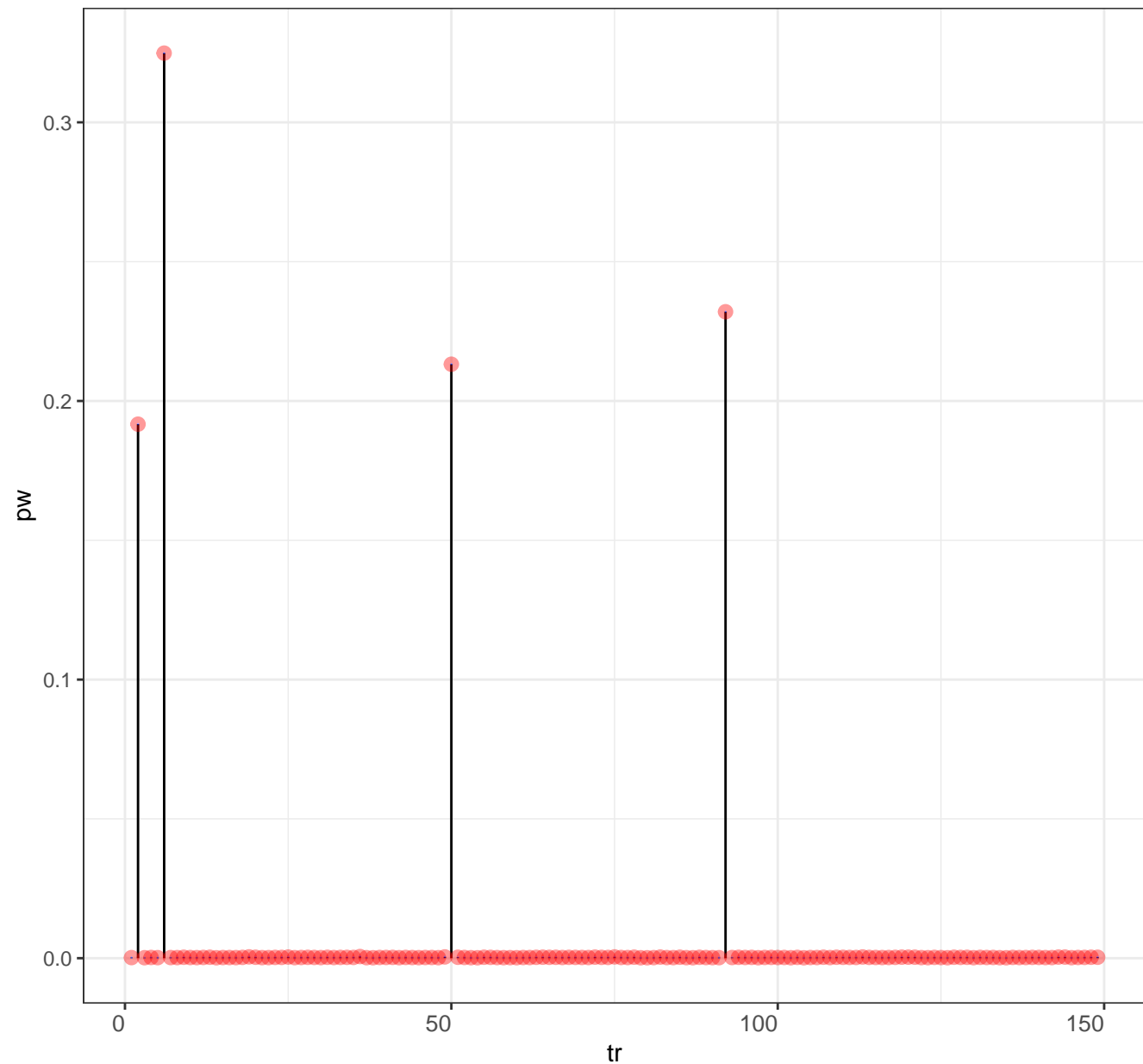
Posterior distribution for alpha

Legend posterior mean prior mean



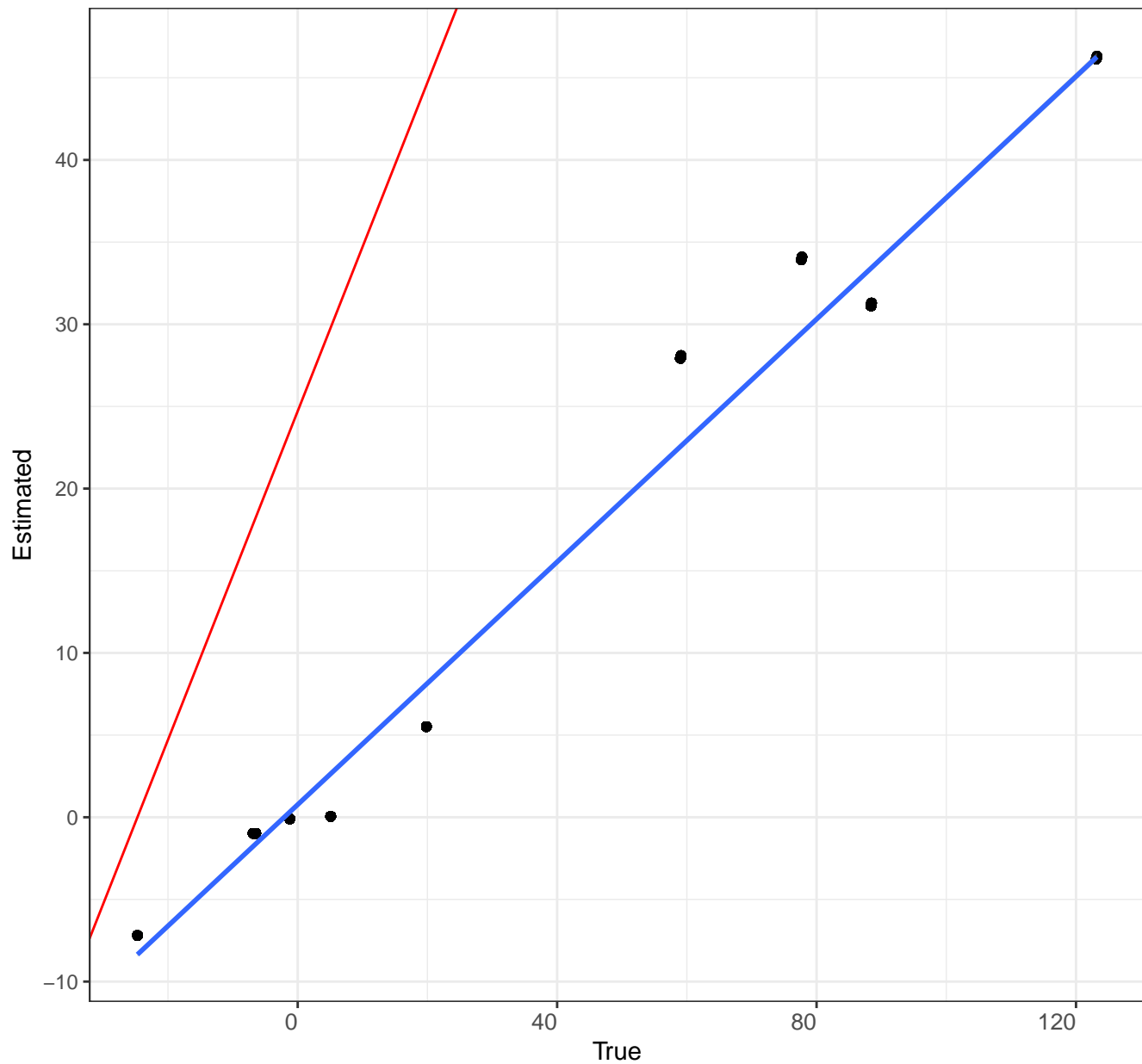
Number of iterations: 2000 burnin: 1000 number of samples: 500 $S=50$, $r=10$ true gr $K=4$, type=2, $N=150$

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



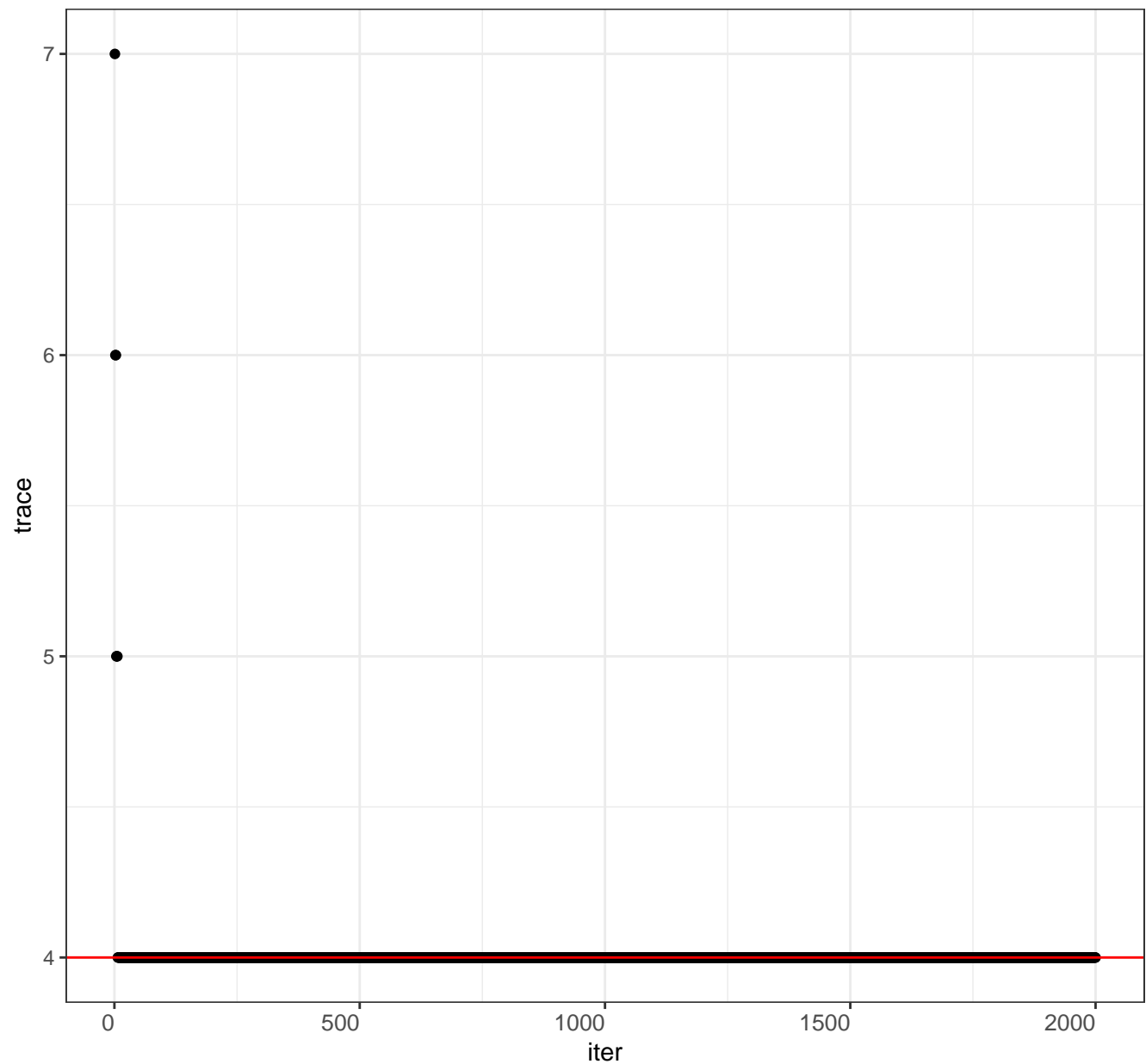
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=10 true K=4 type=2

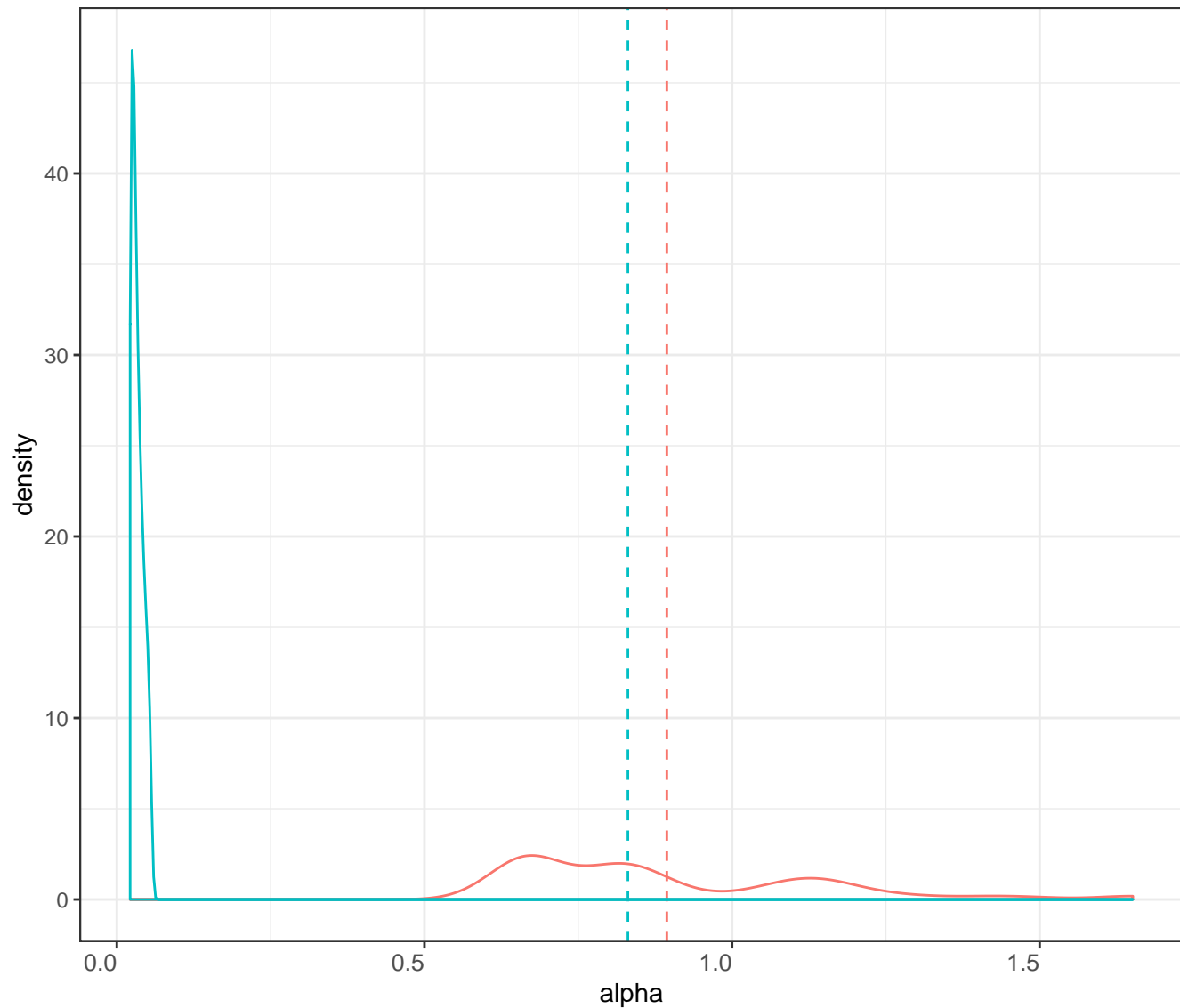
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

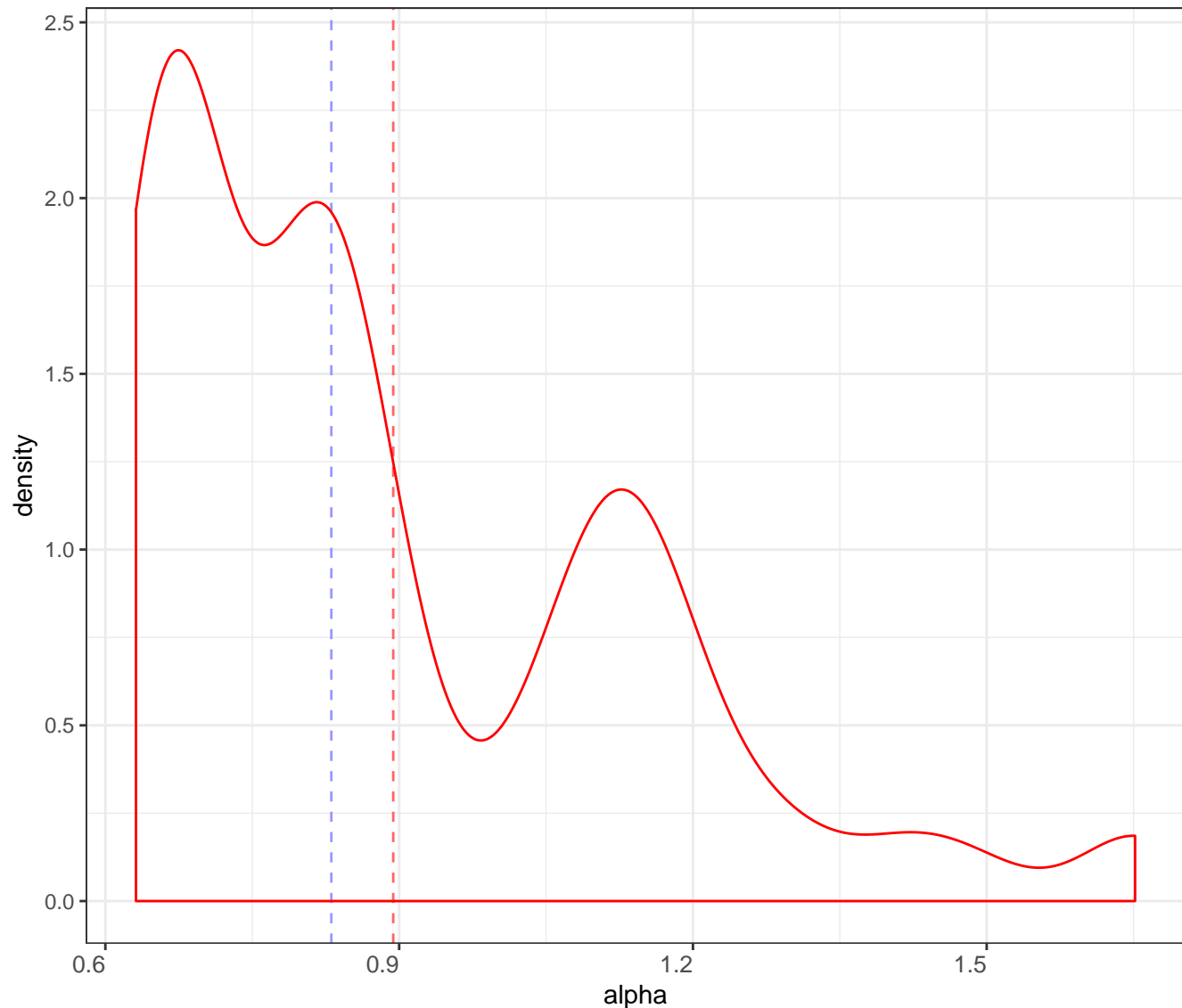
Legend



posterior mean

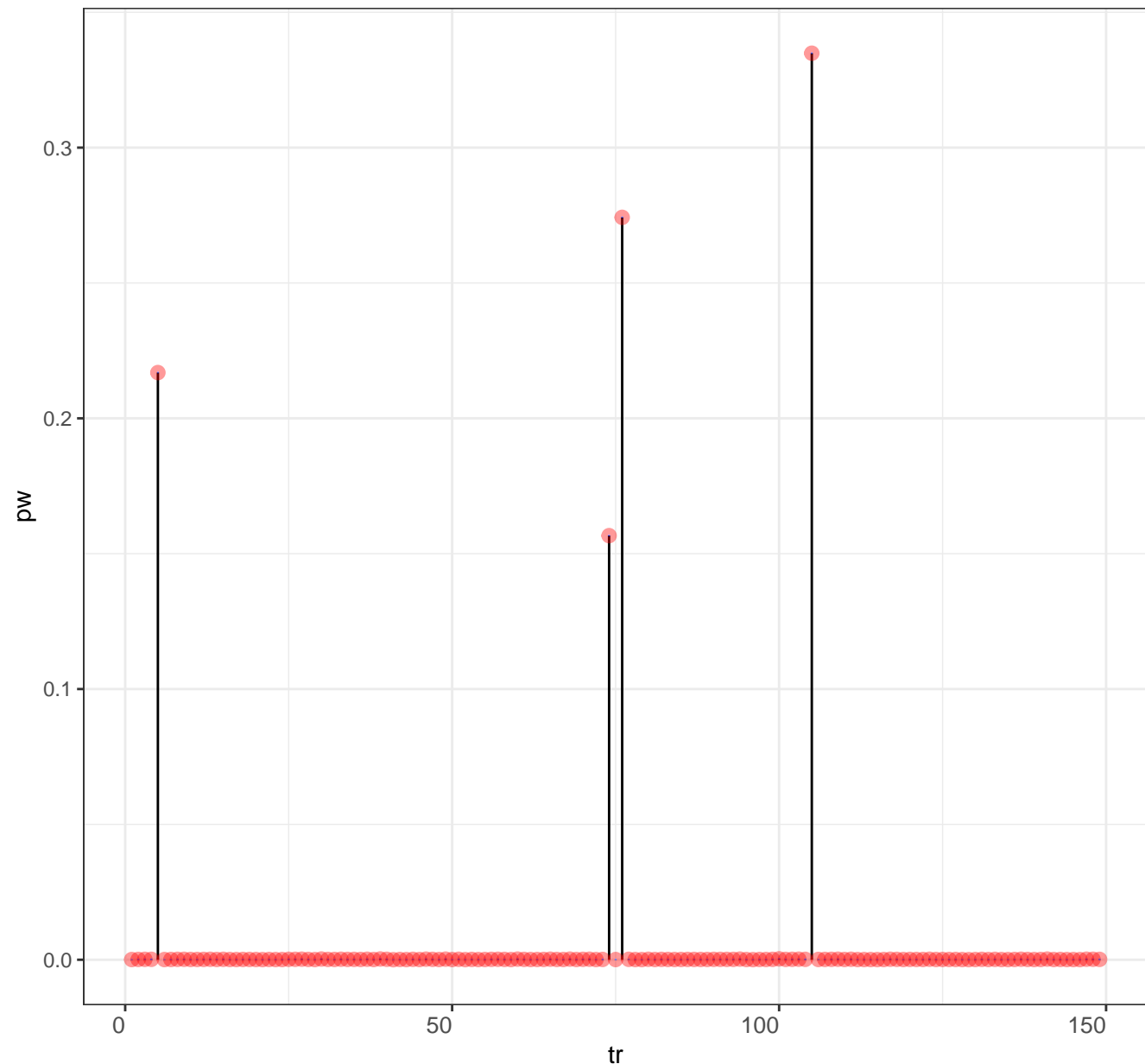


prior mean



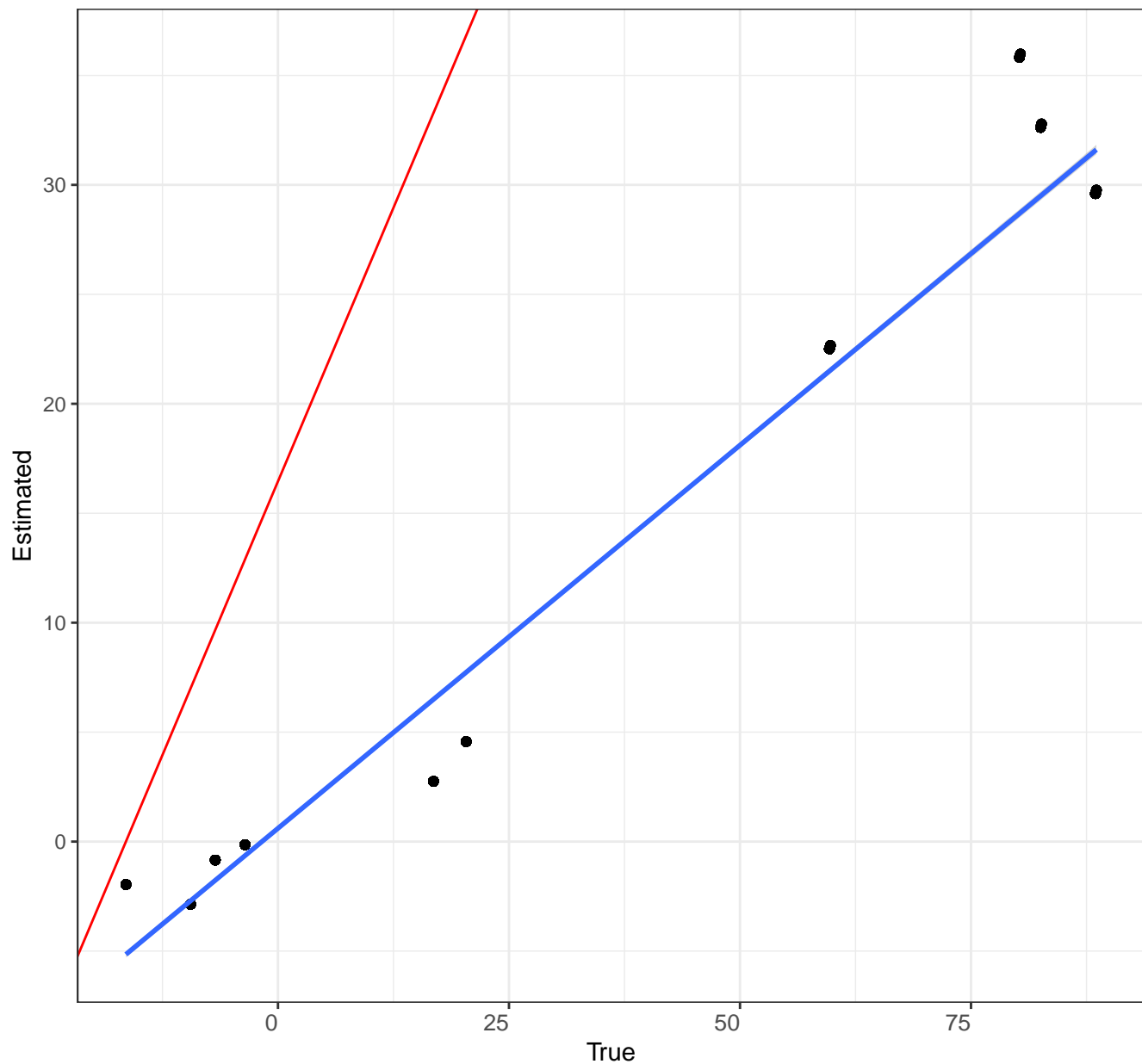
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



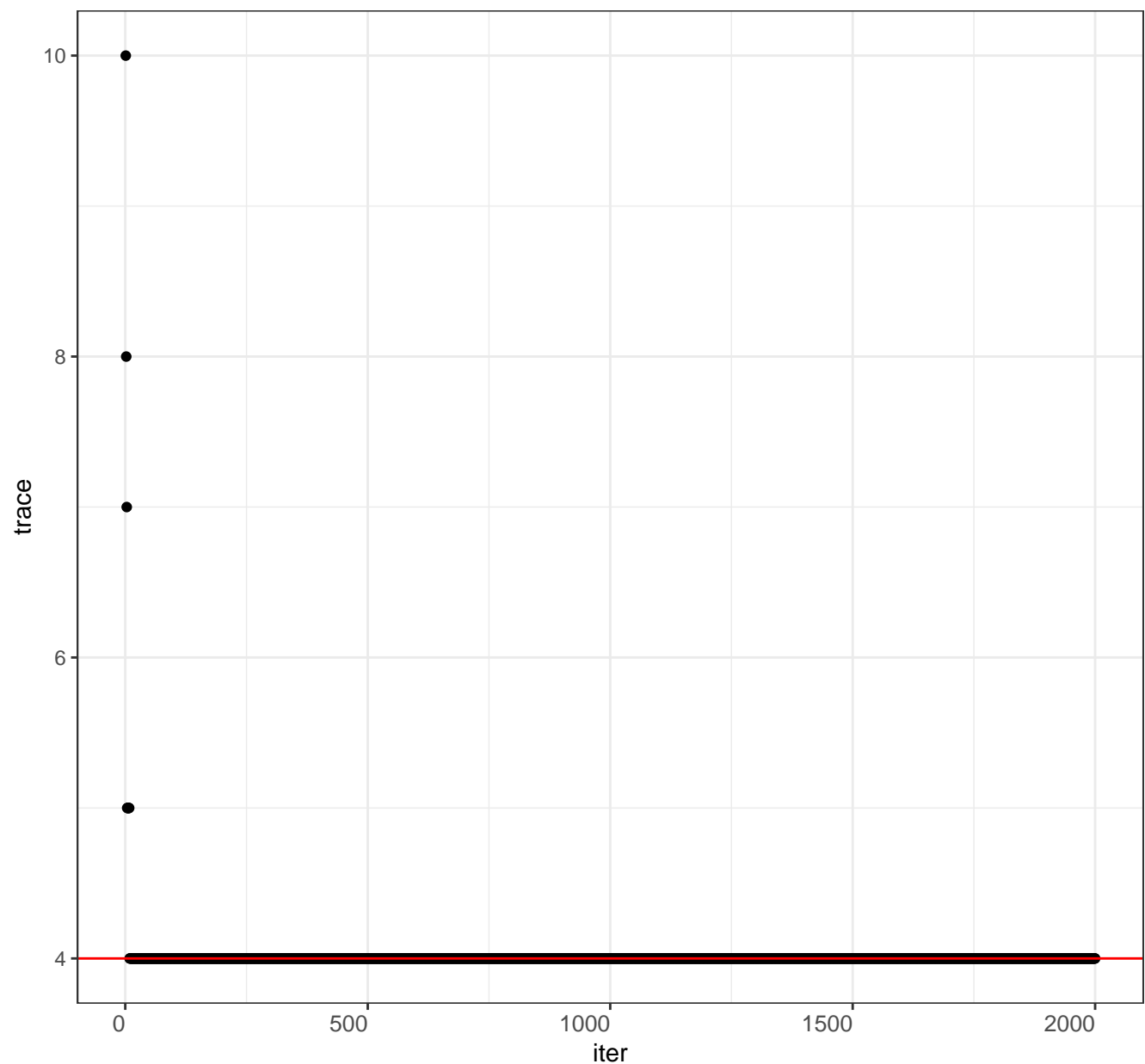
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=10 true K=4 type=2

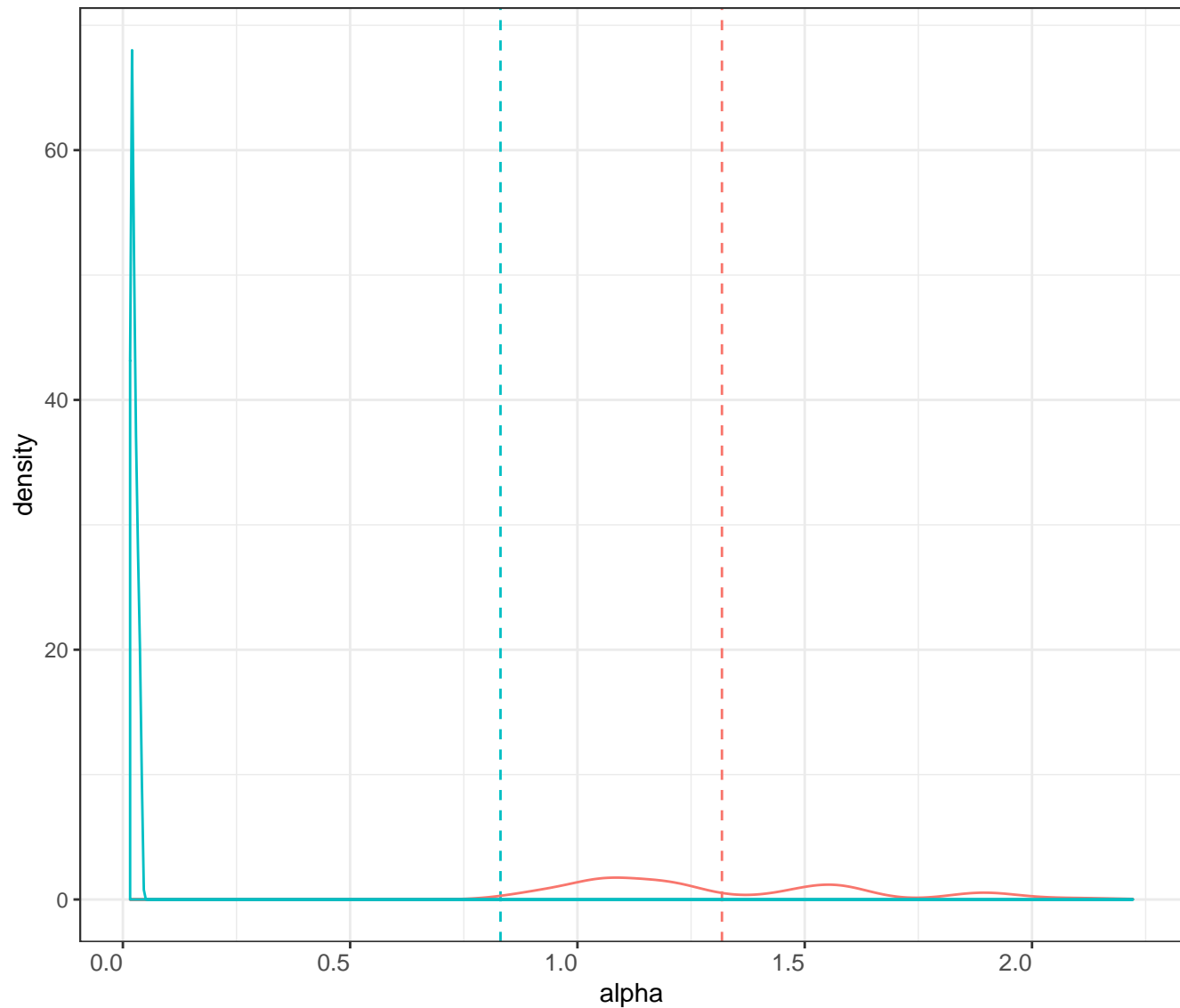
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

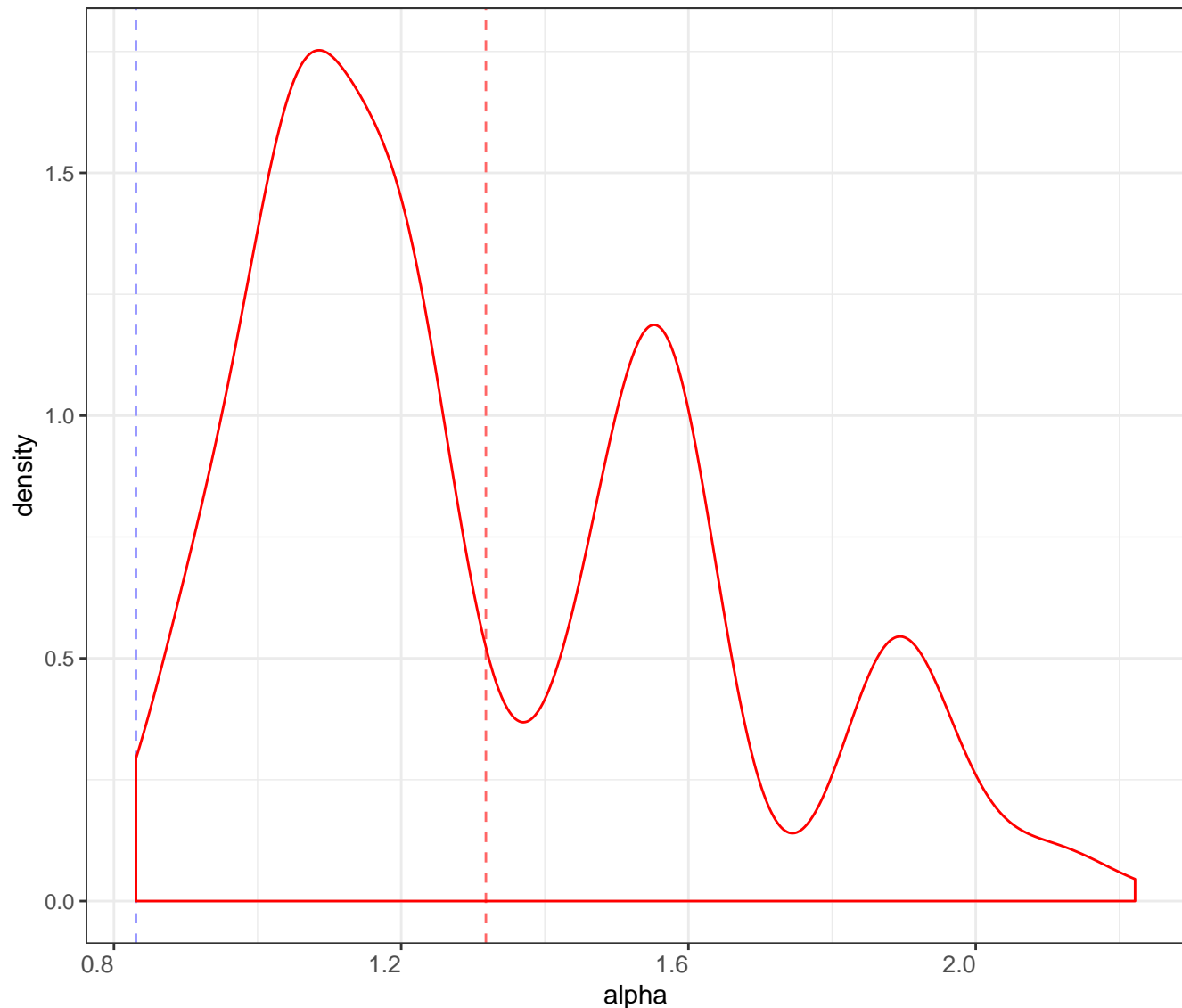
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

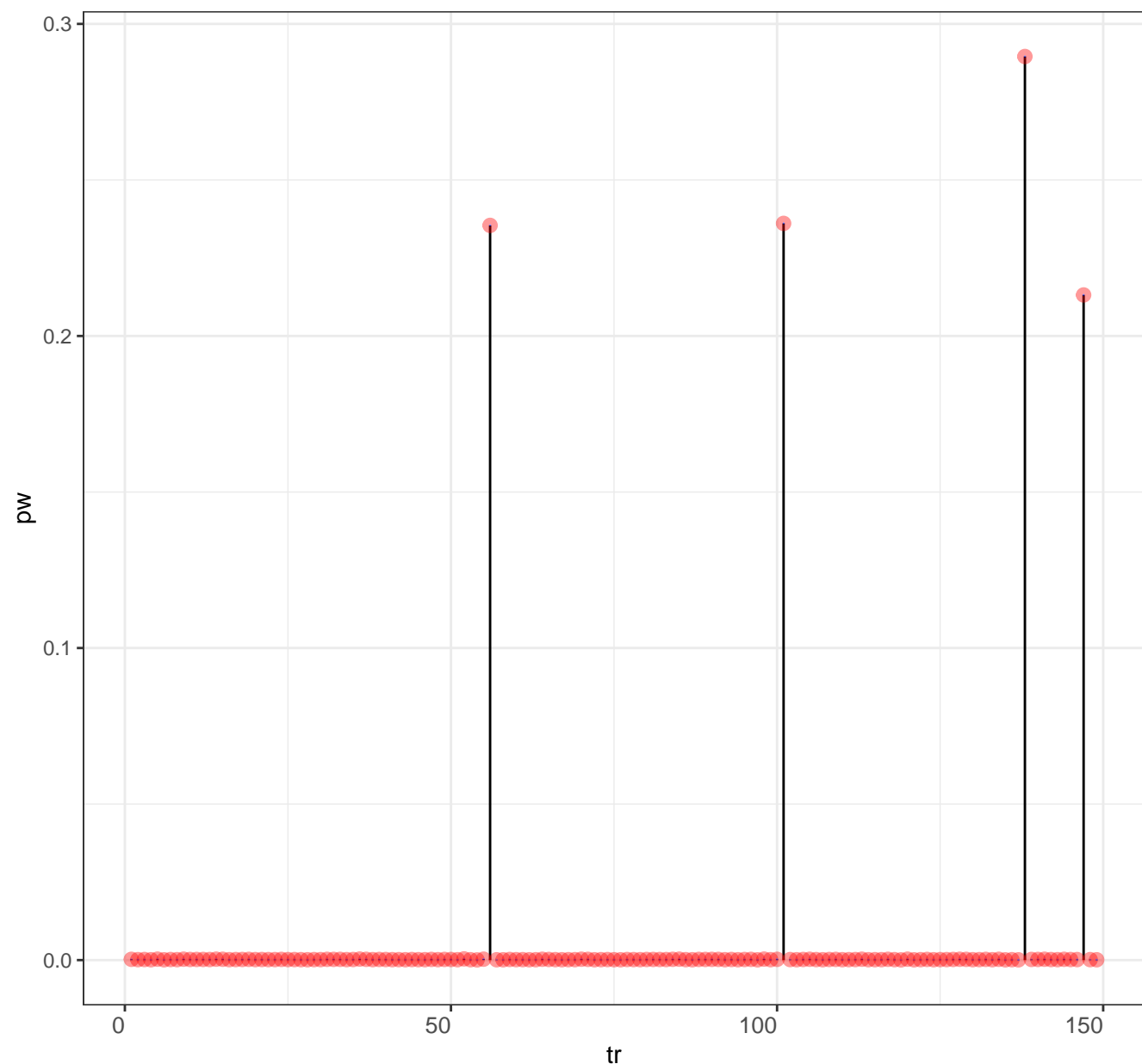
Posterior distribution for alpha

Legend posterior mean prior mean



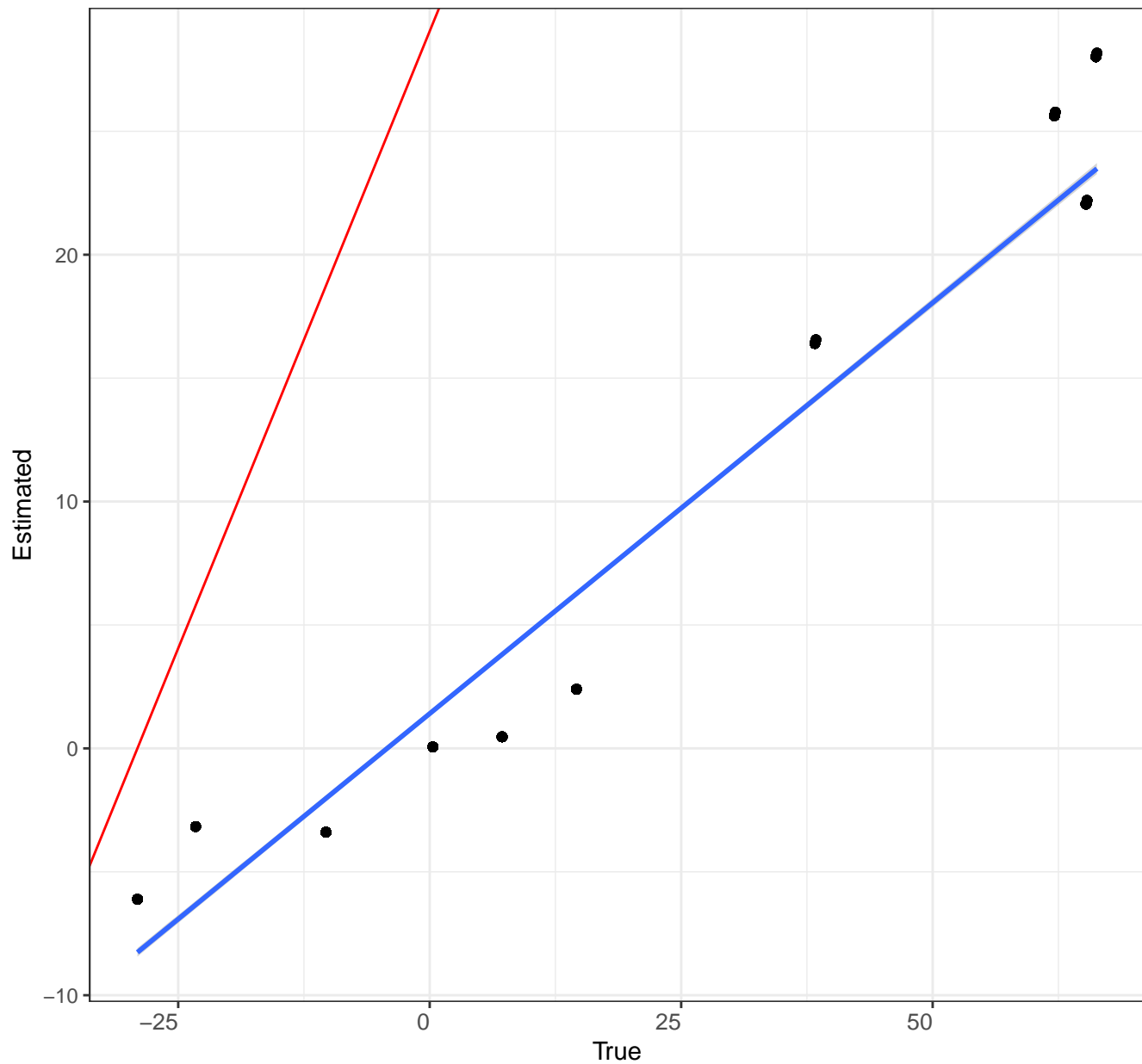
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



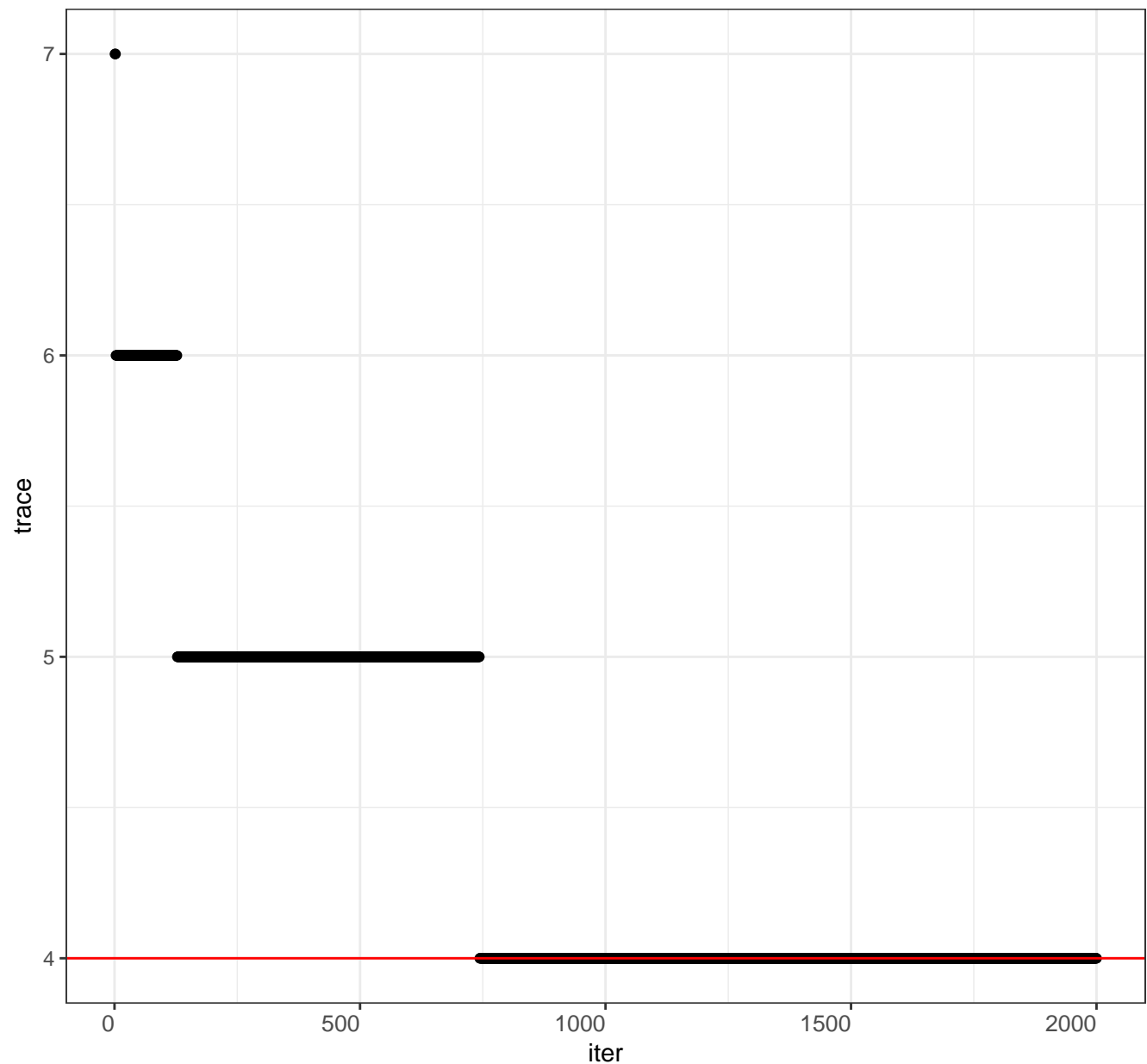
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=10 true K=4 type=2

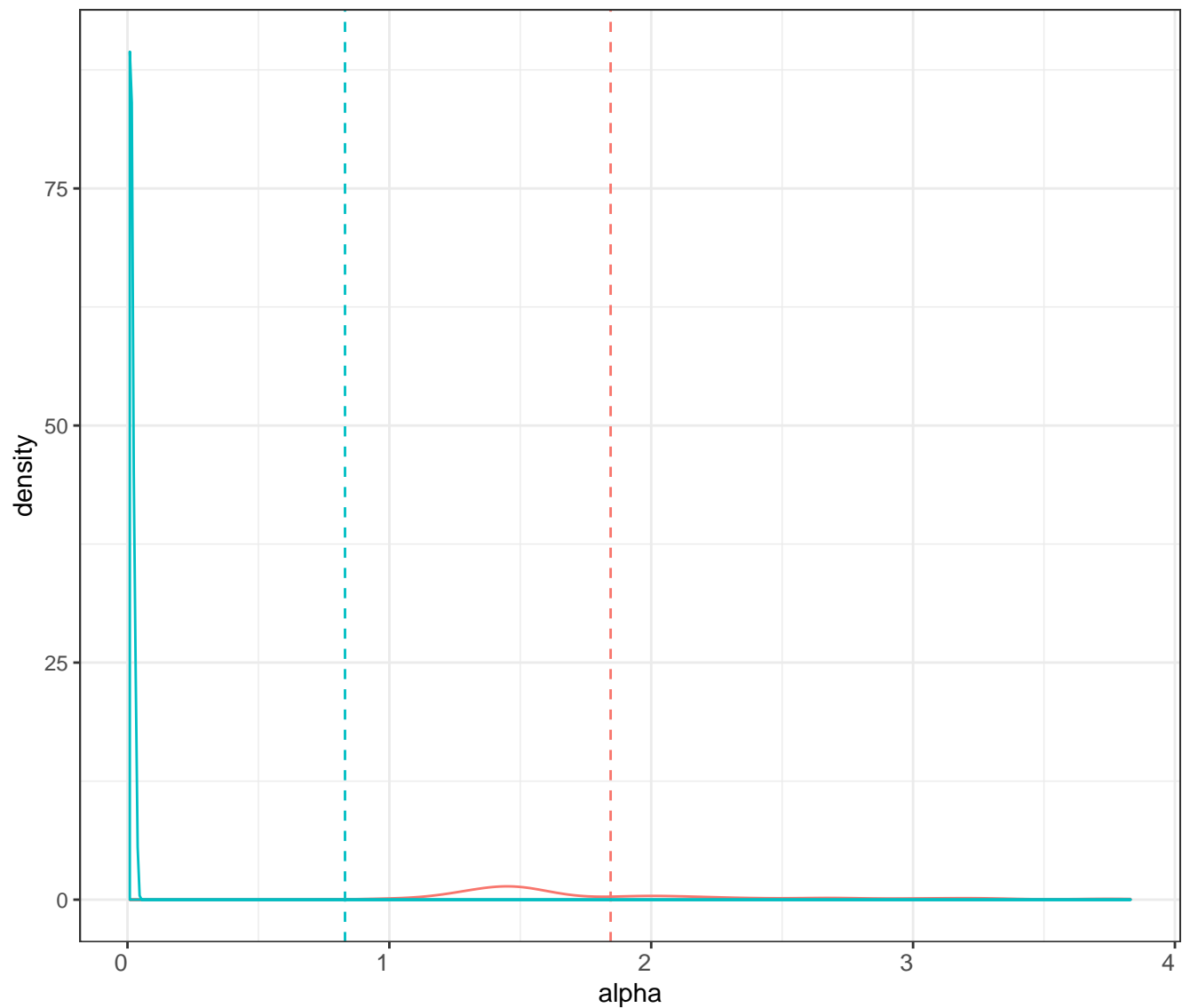
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

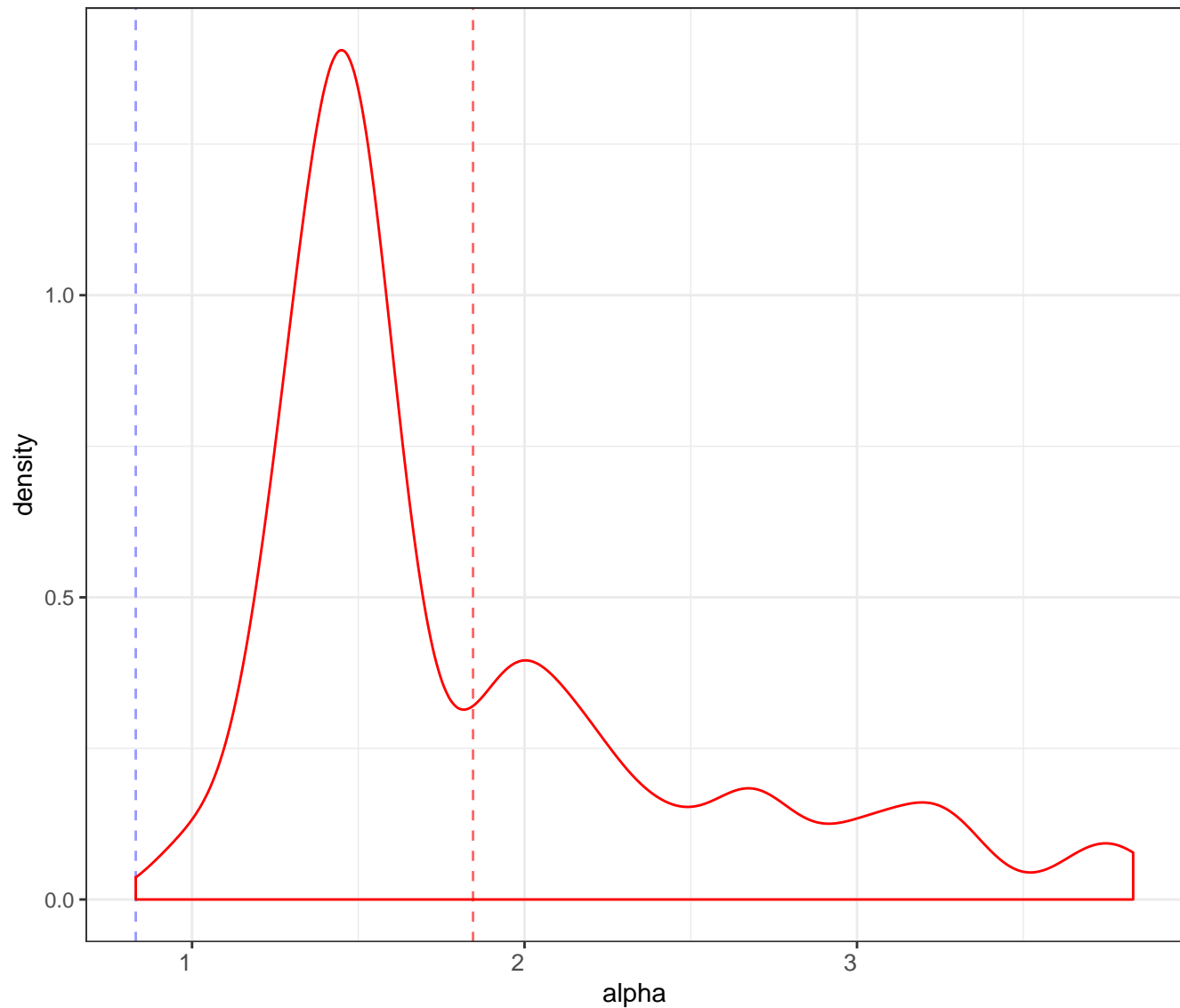
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

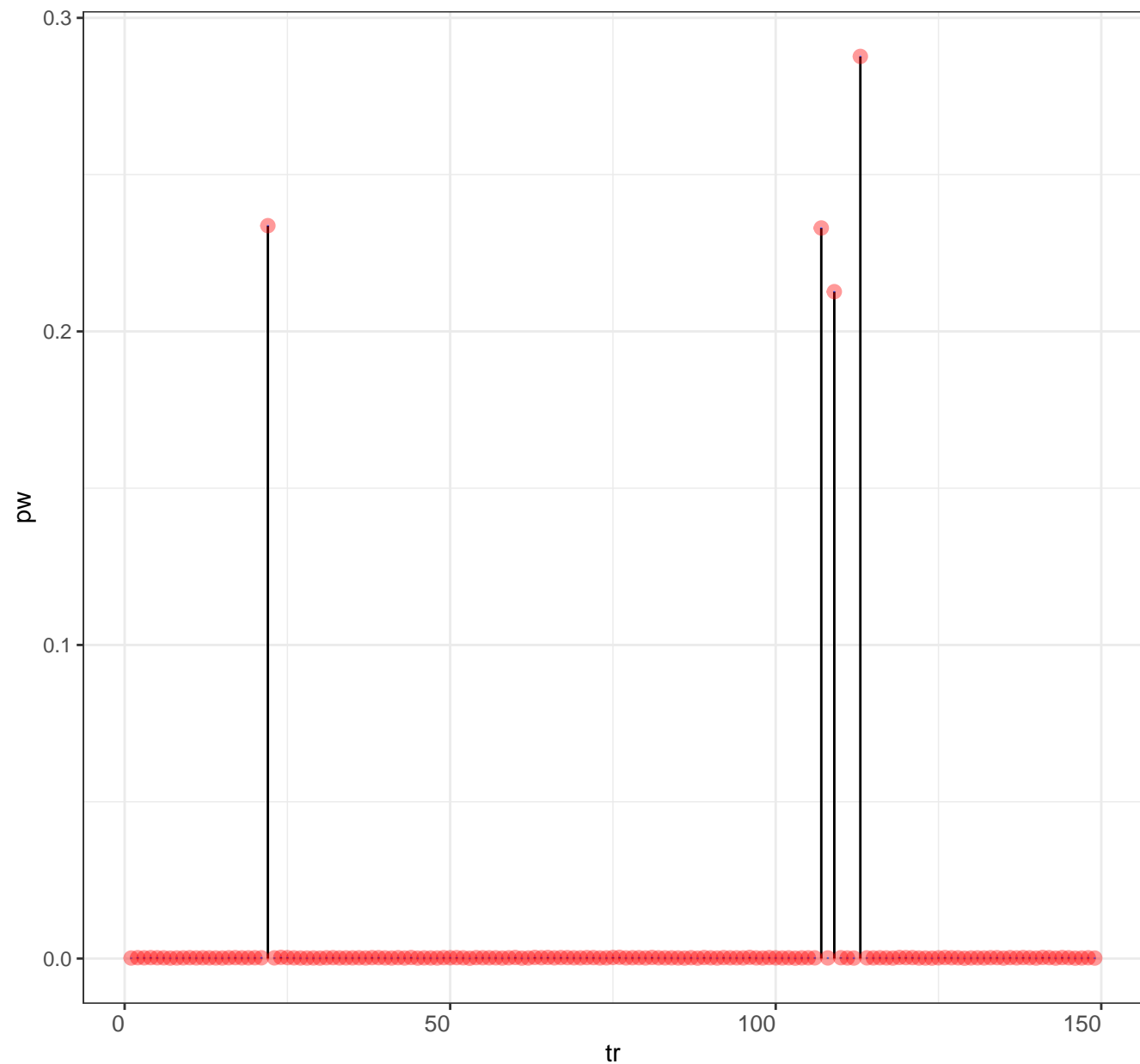
Posterior distribution for alpha

Legend posterior mean prior mean



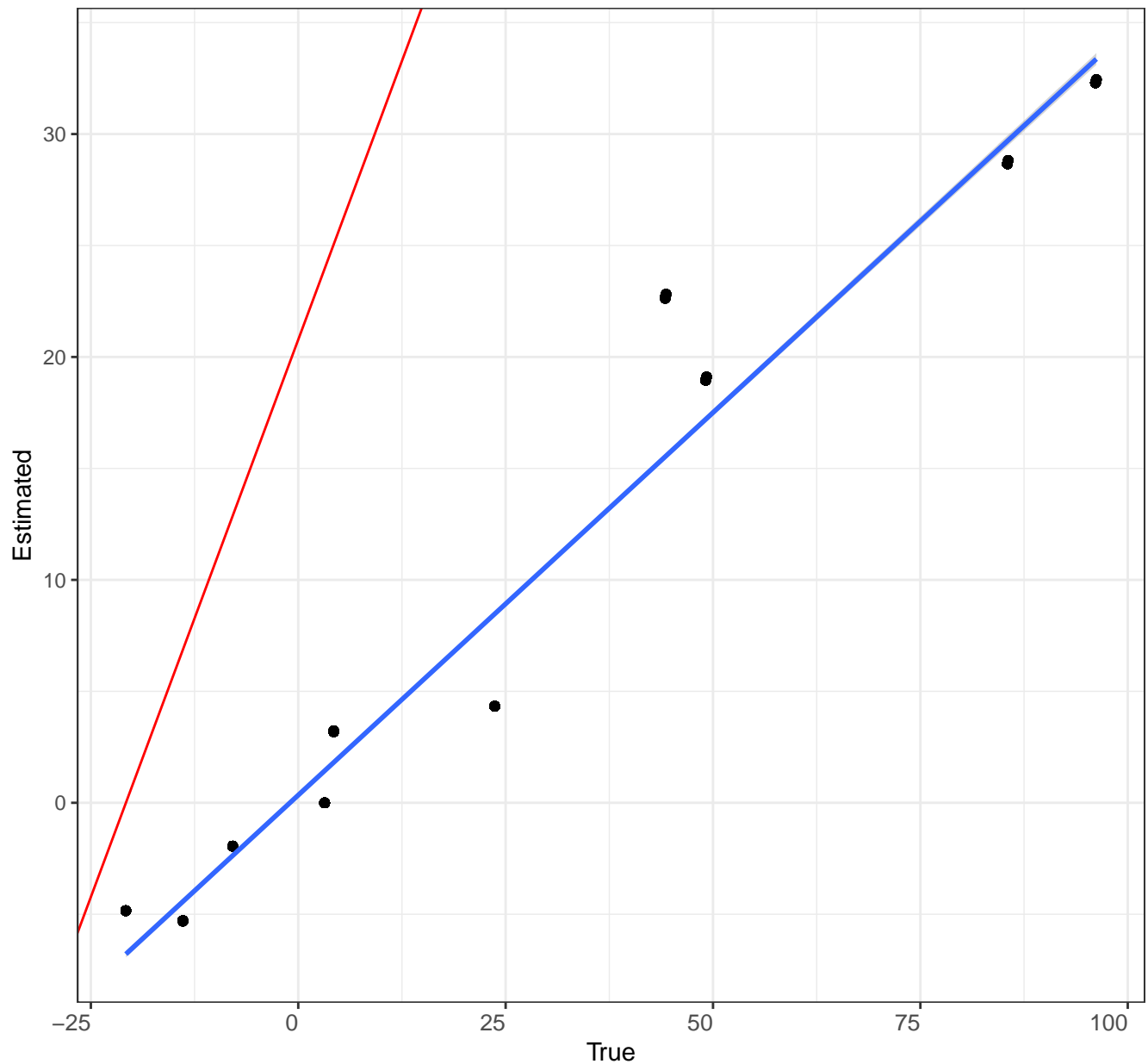
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



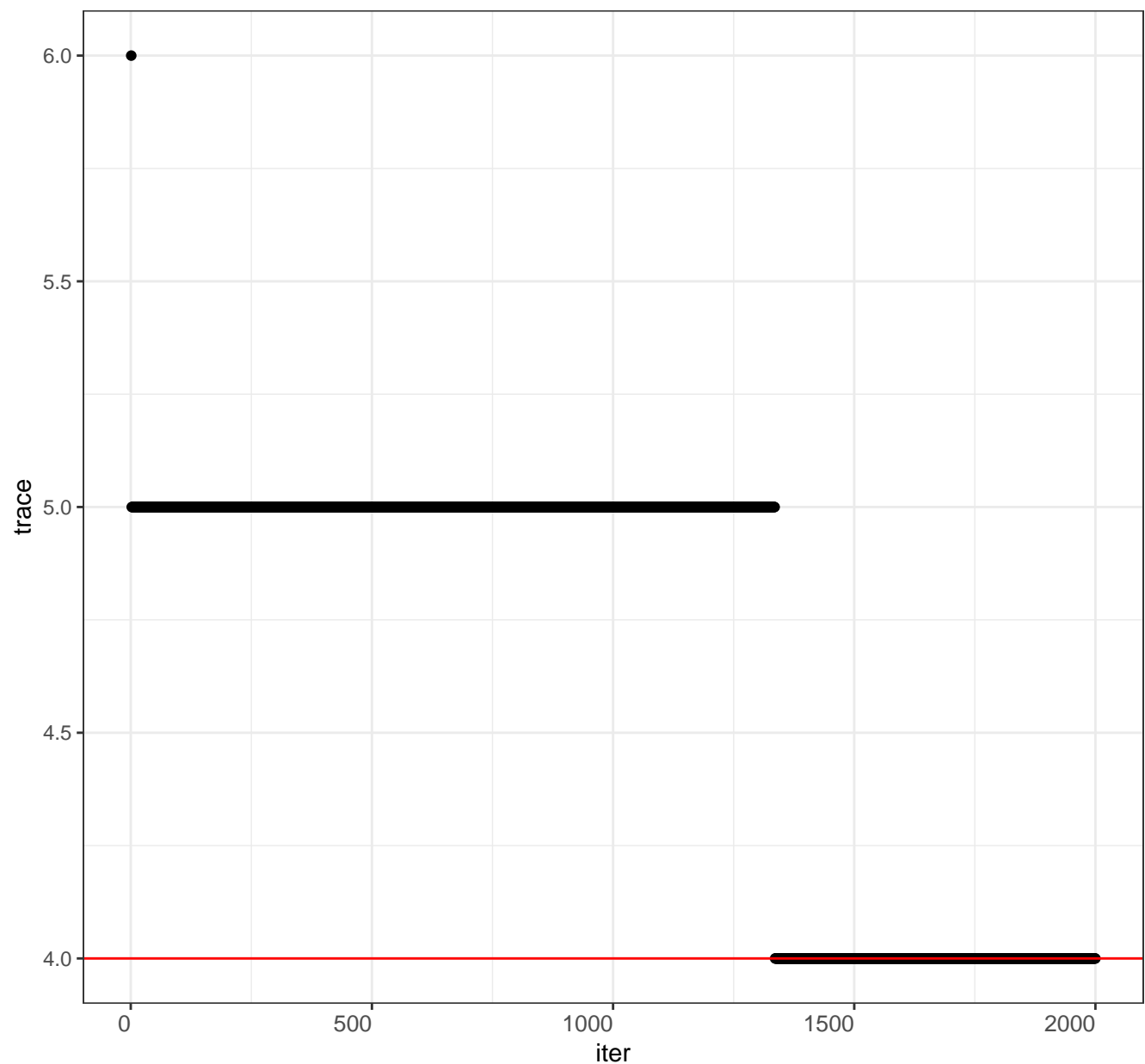
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=10 true K=4 type=2

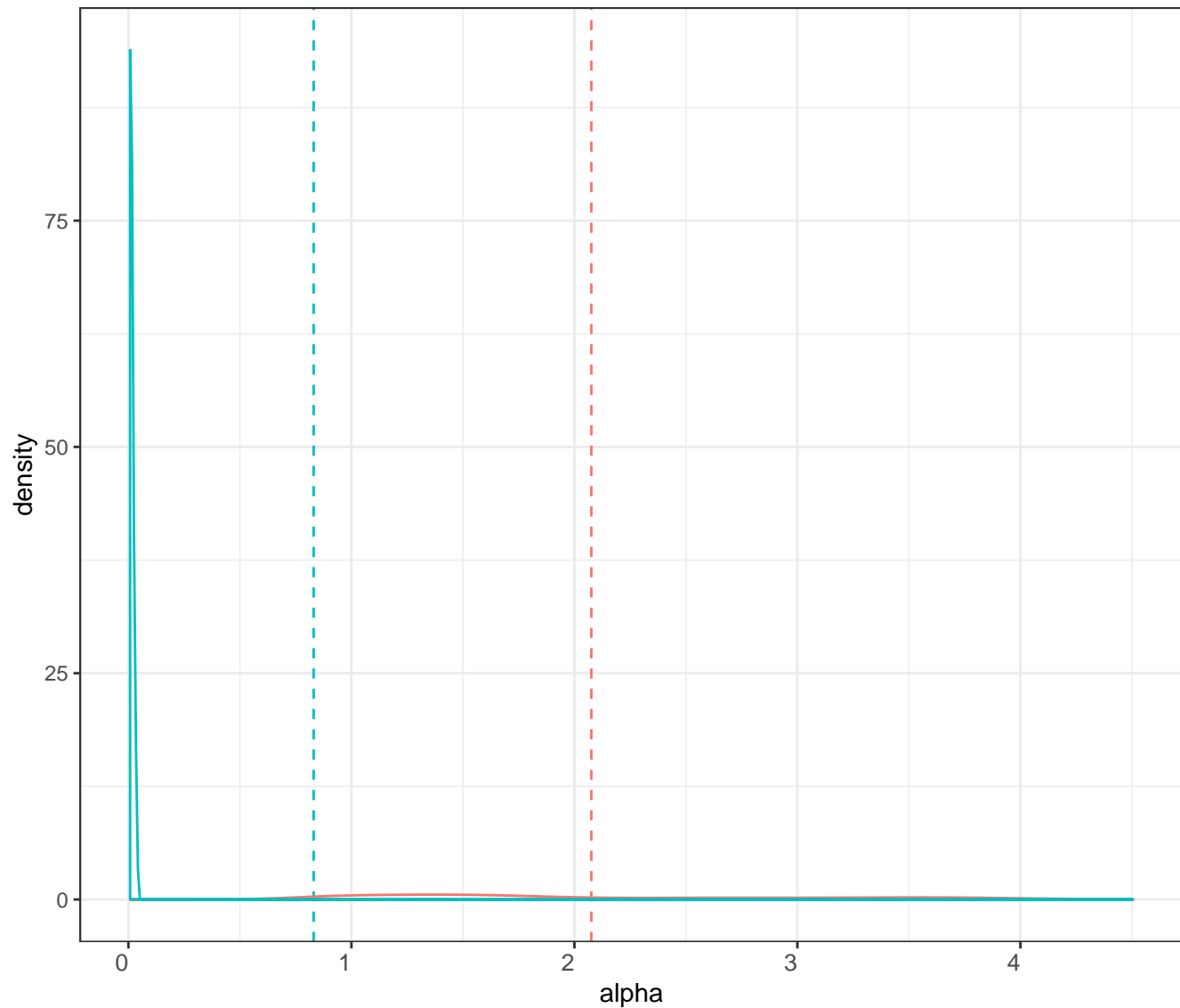
Trace plot for the number of groups K for S=50 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=10 true gr K=4 ,type=2 ,N=150

type  posterior  prior



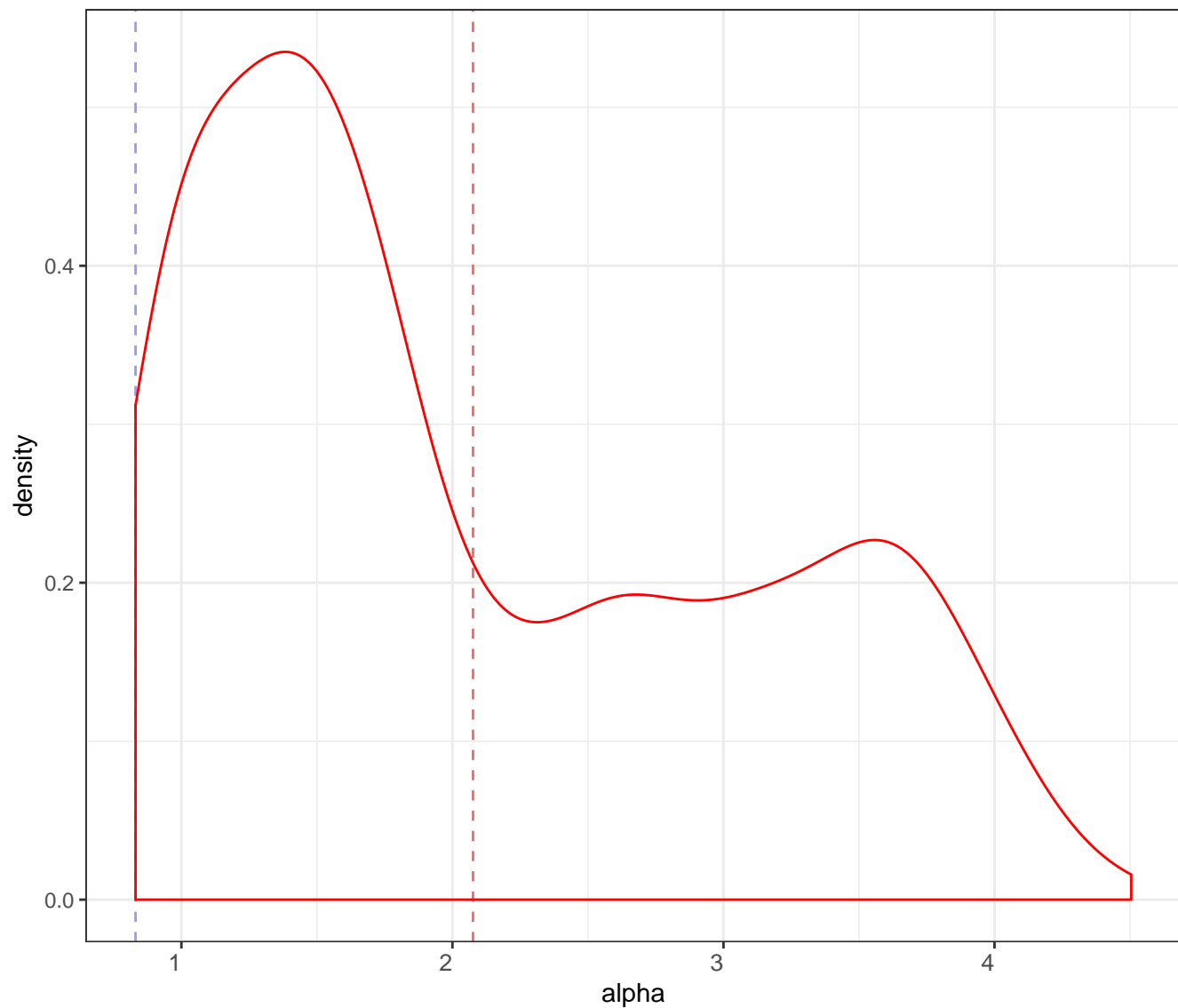
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

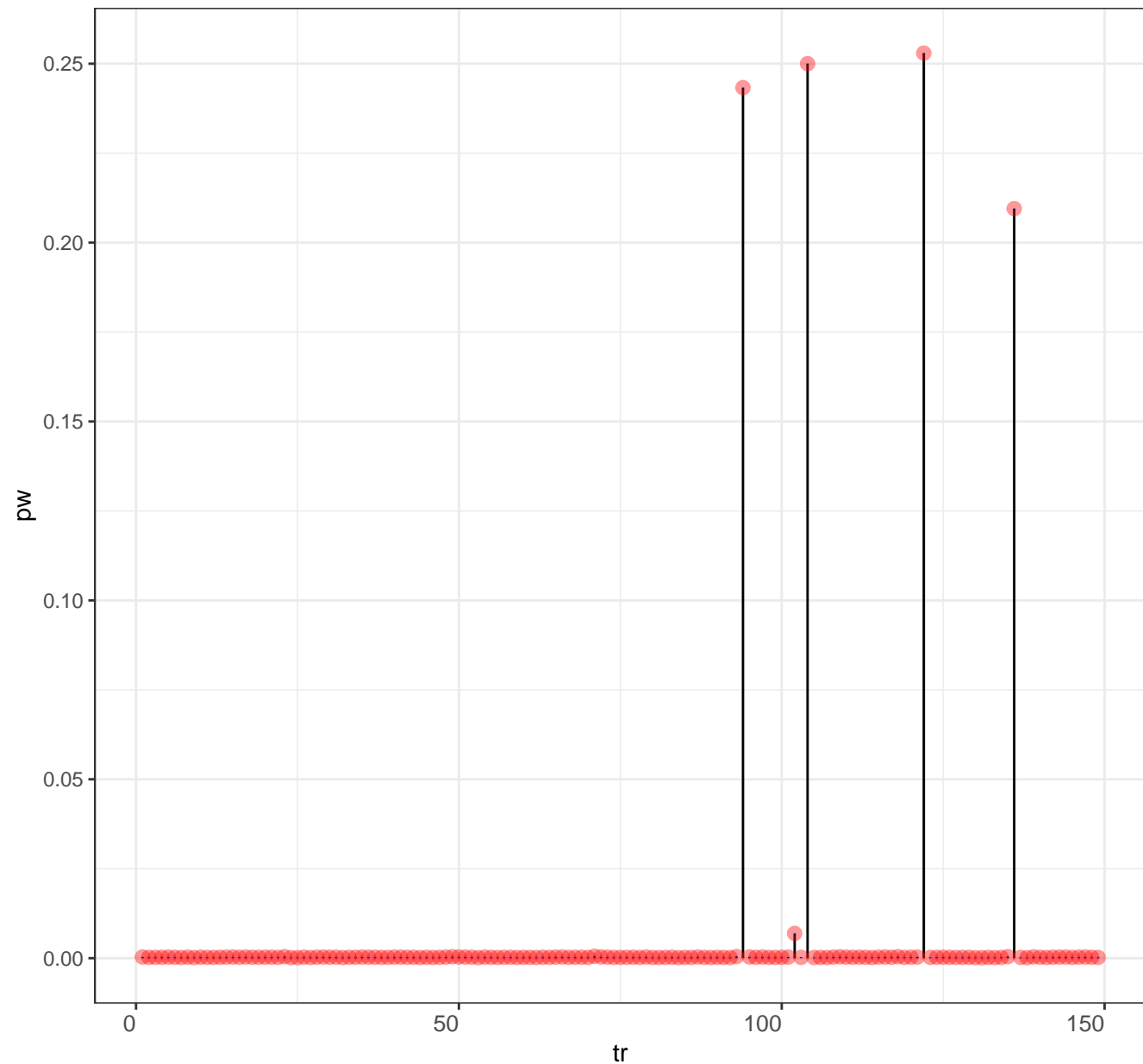
posterior mean

prior mean



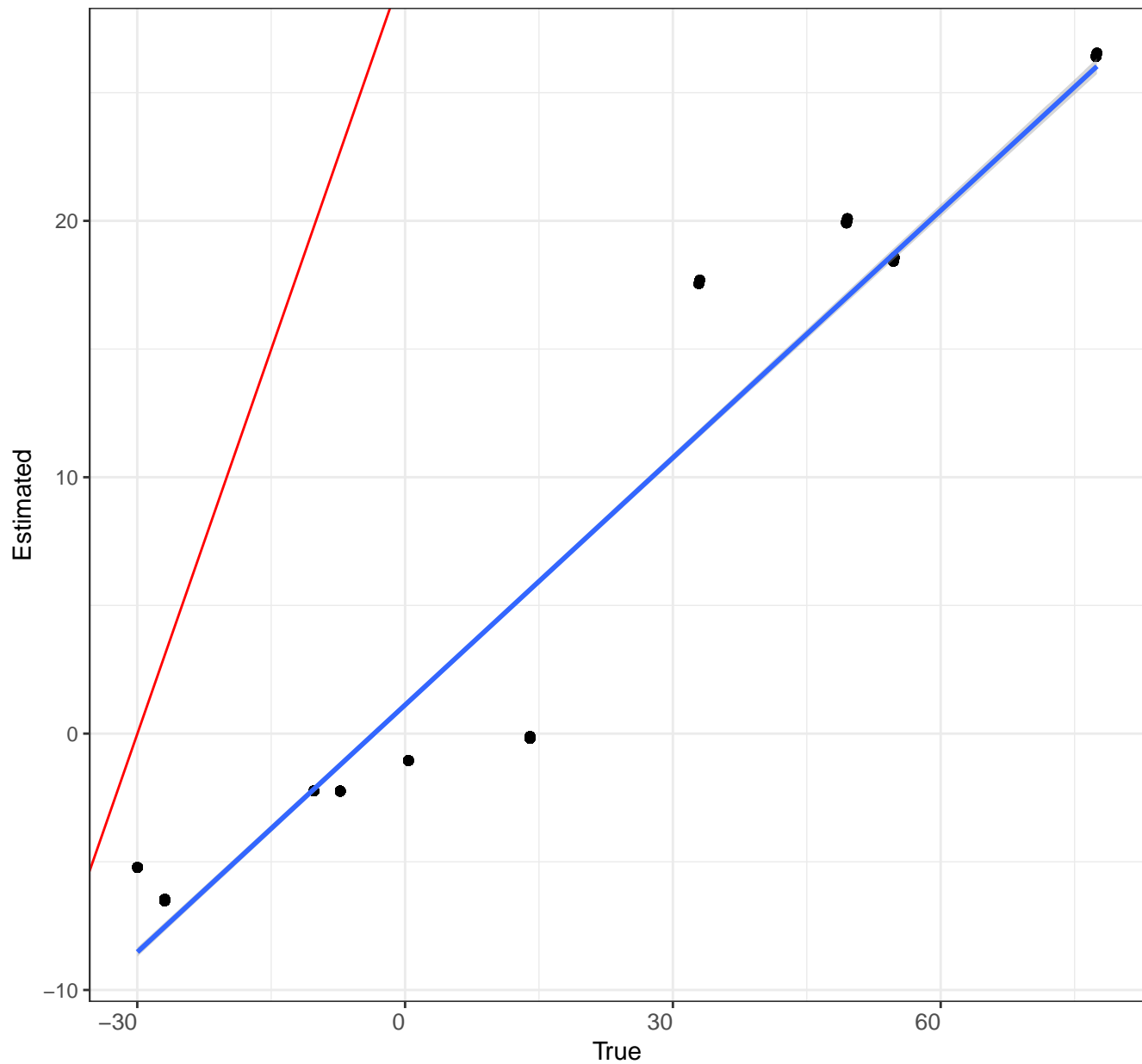
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



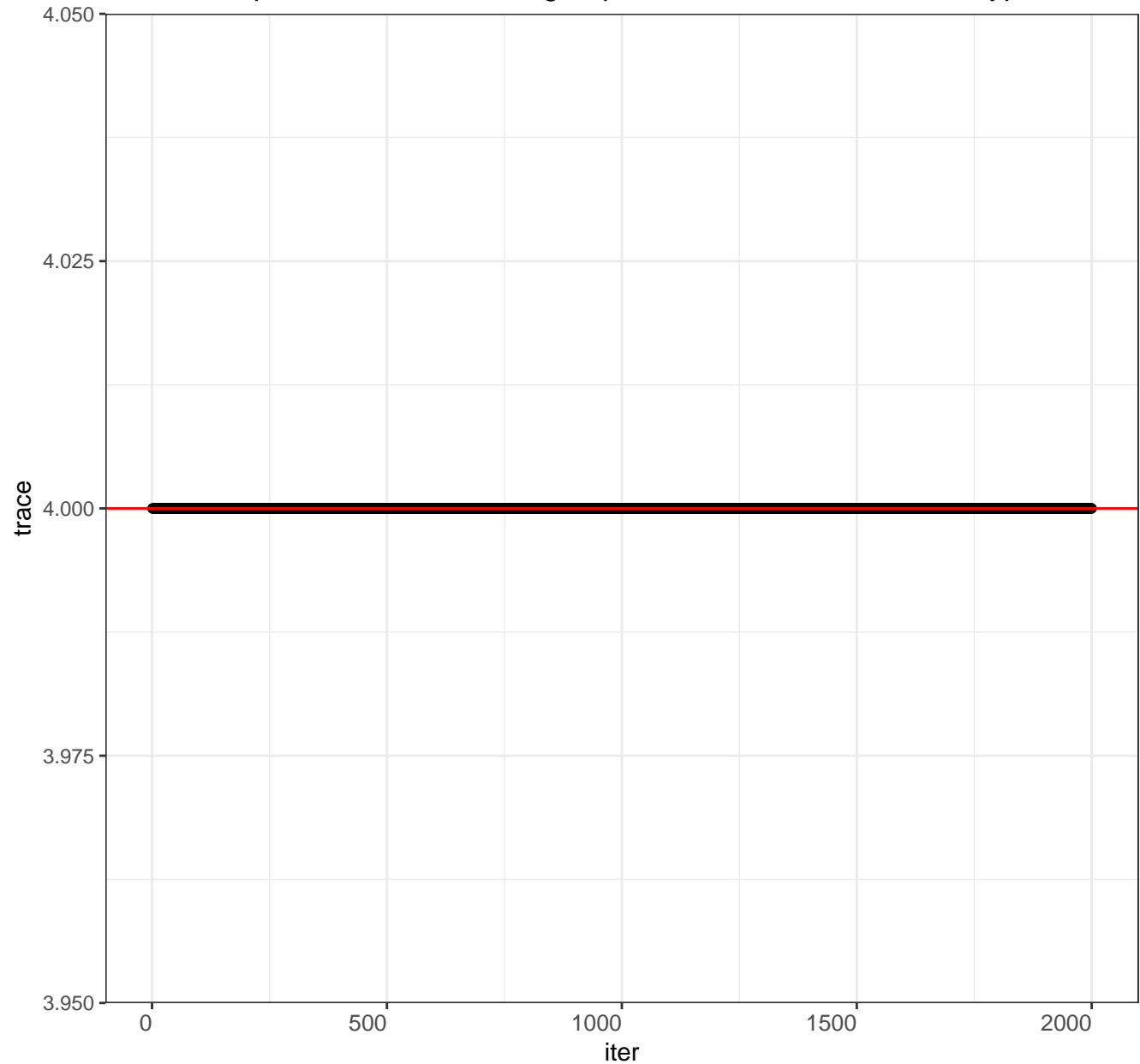
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 r=10 true K=4 type=2

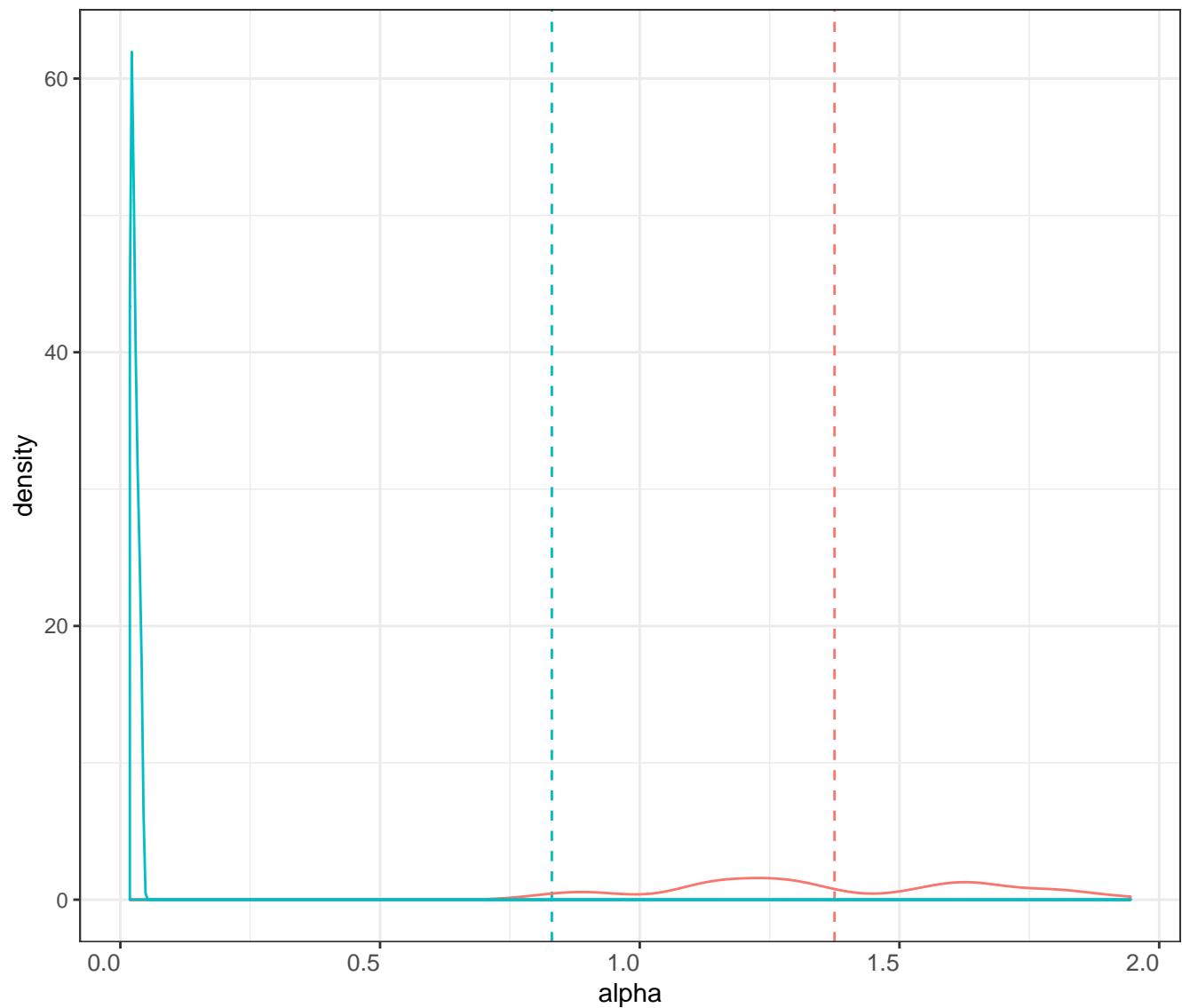
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

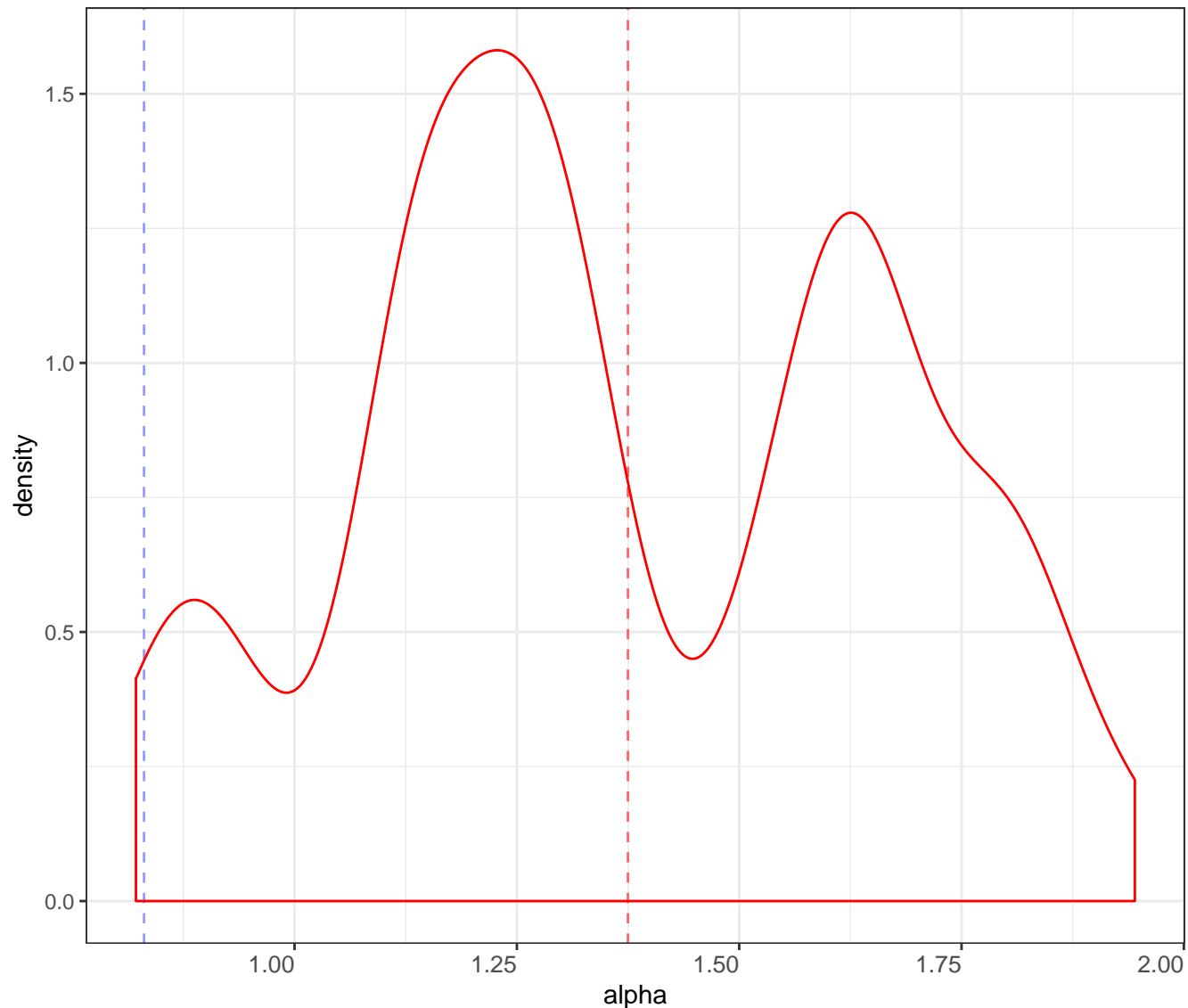
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

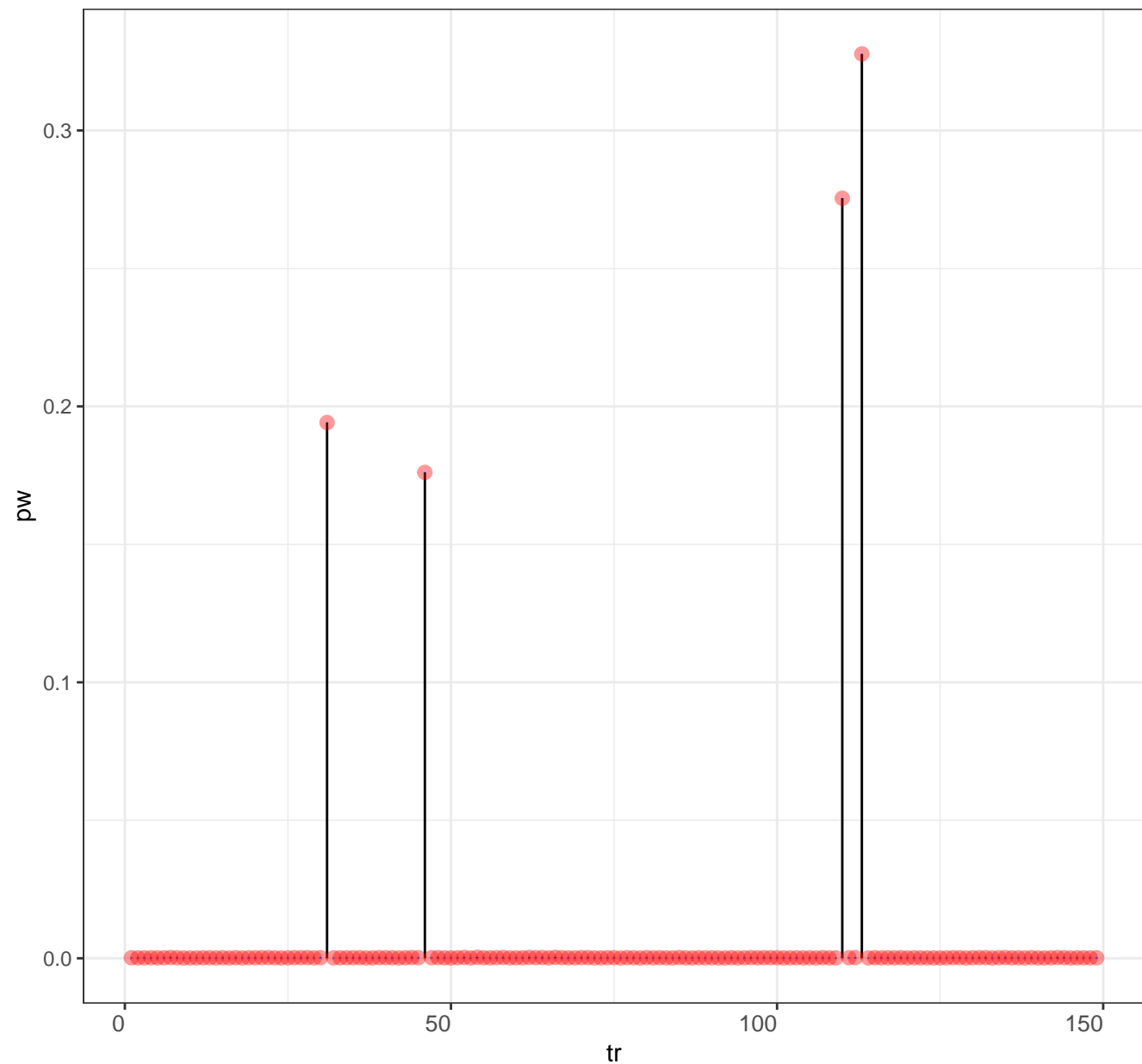
Posterior distribution for alpha

Legend posterior mean prior mean



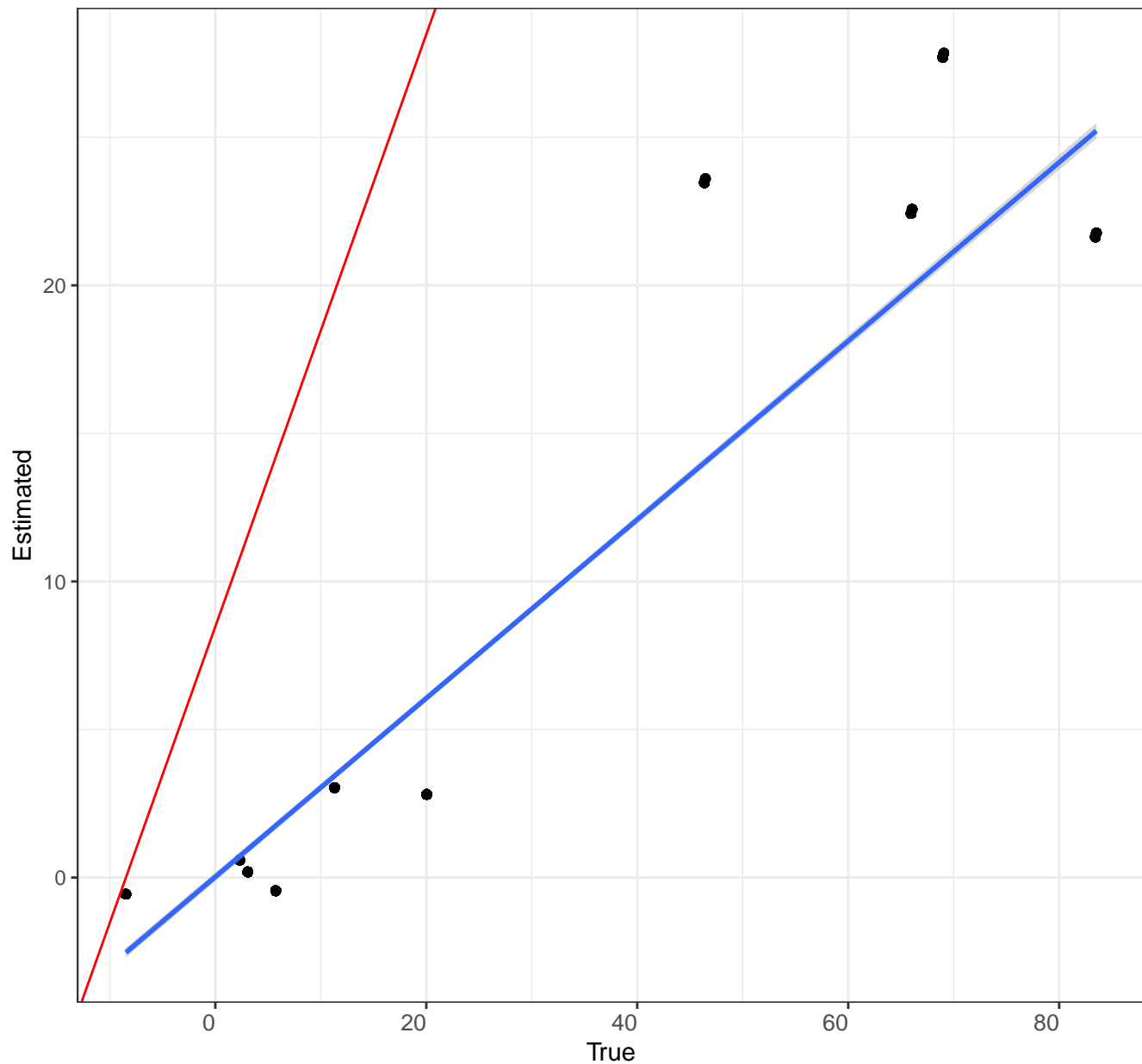
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



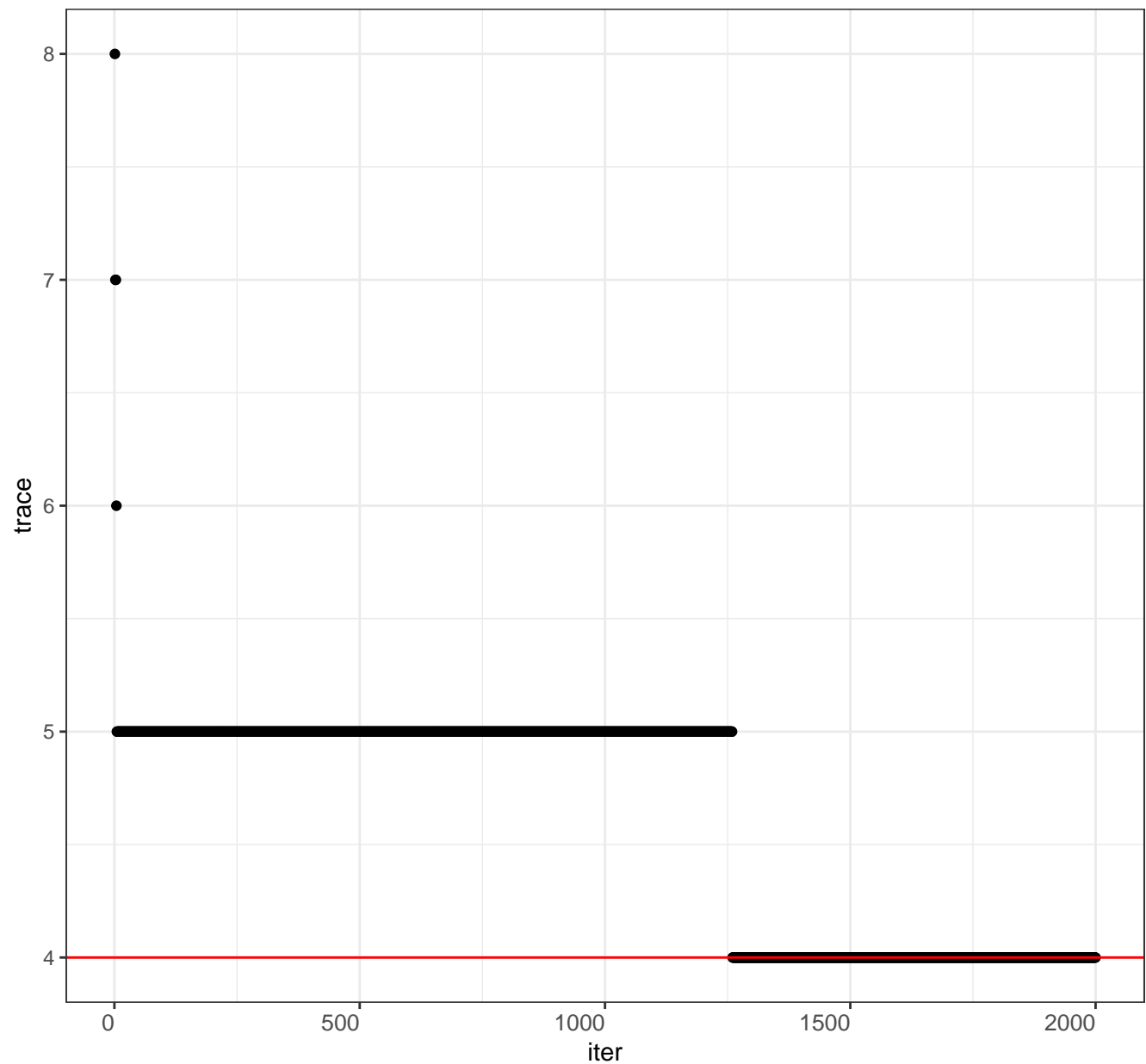
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

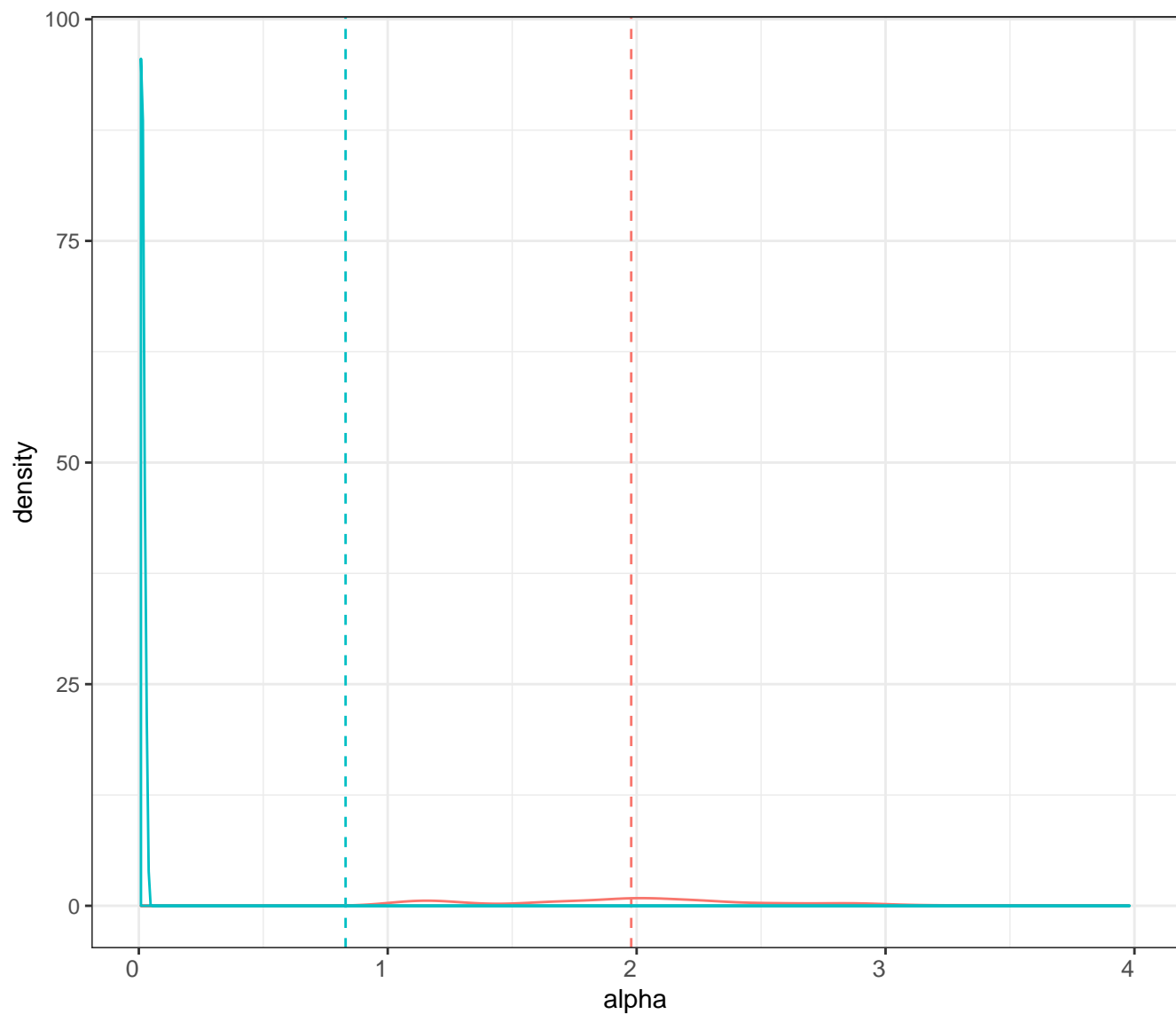
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000 number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

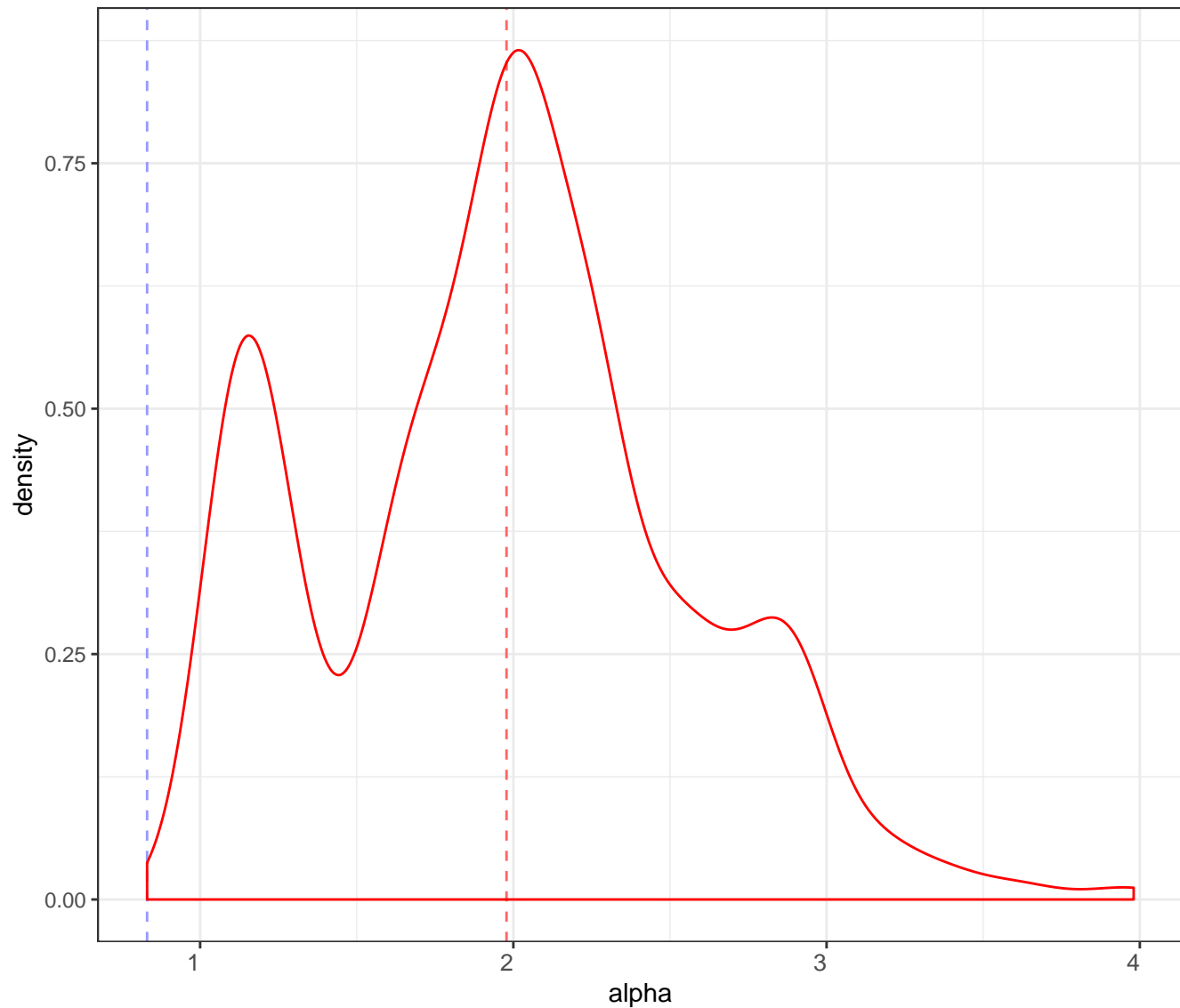
type - - posterior - - prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

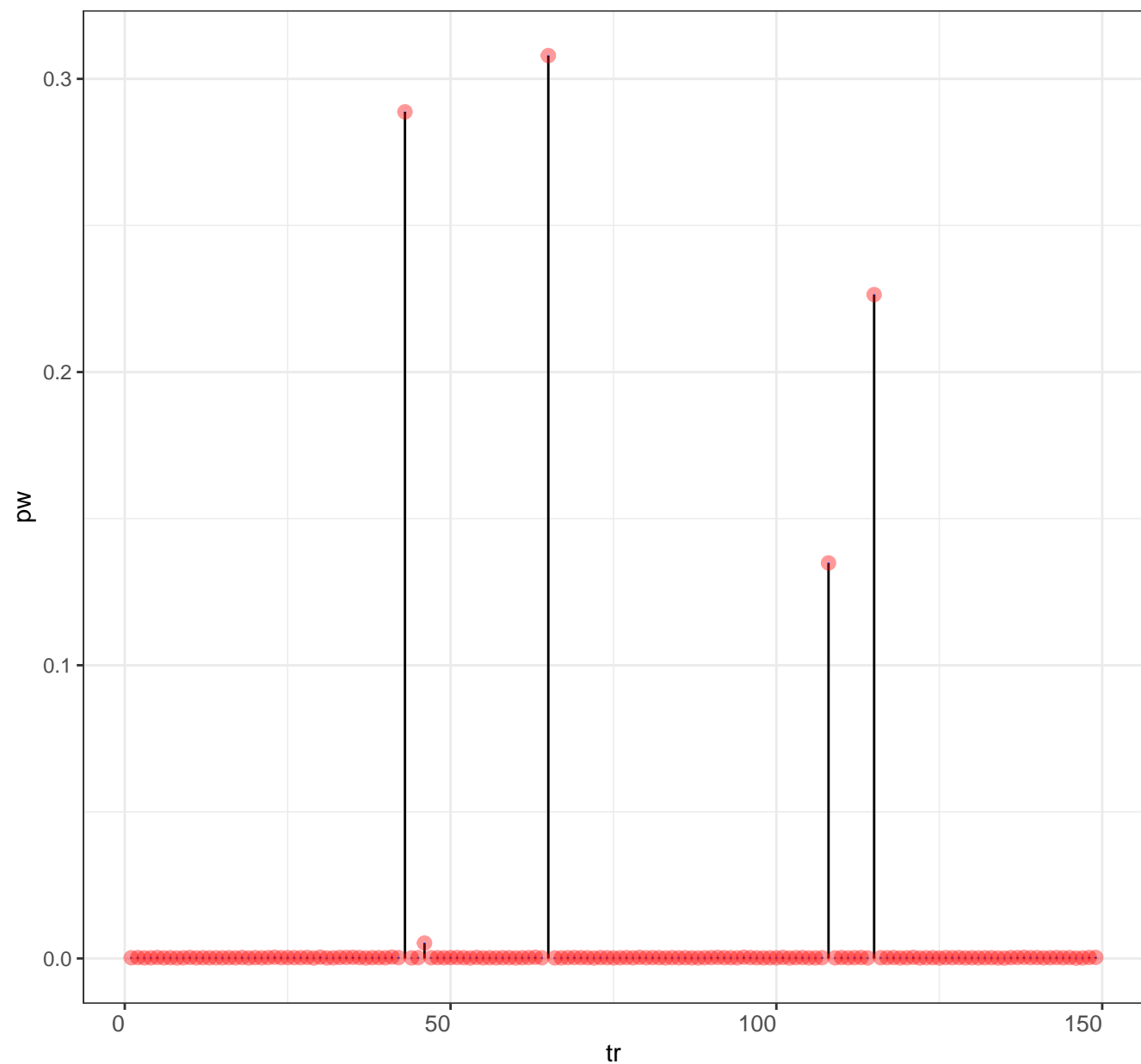
Posterior distribution for alpha

Legend posterior mean prior mean



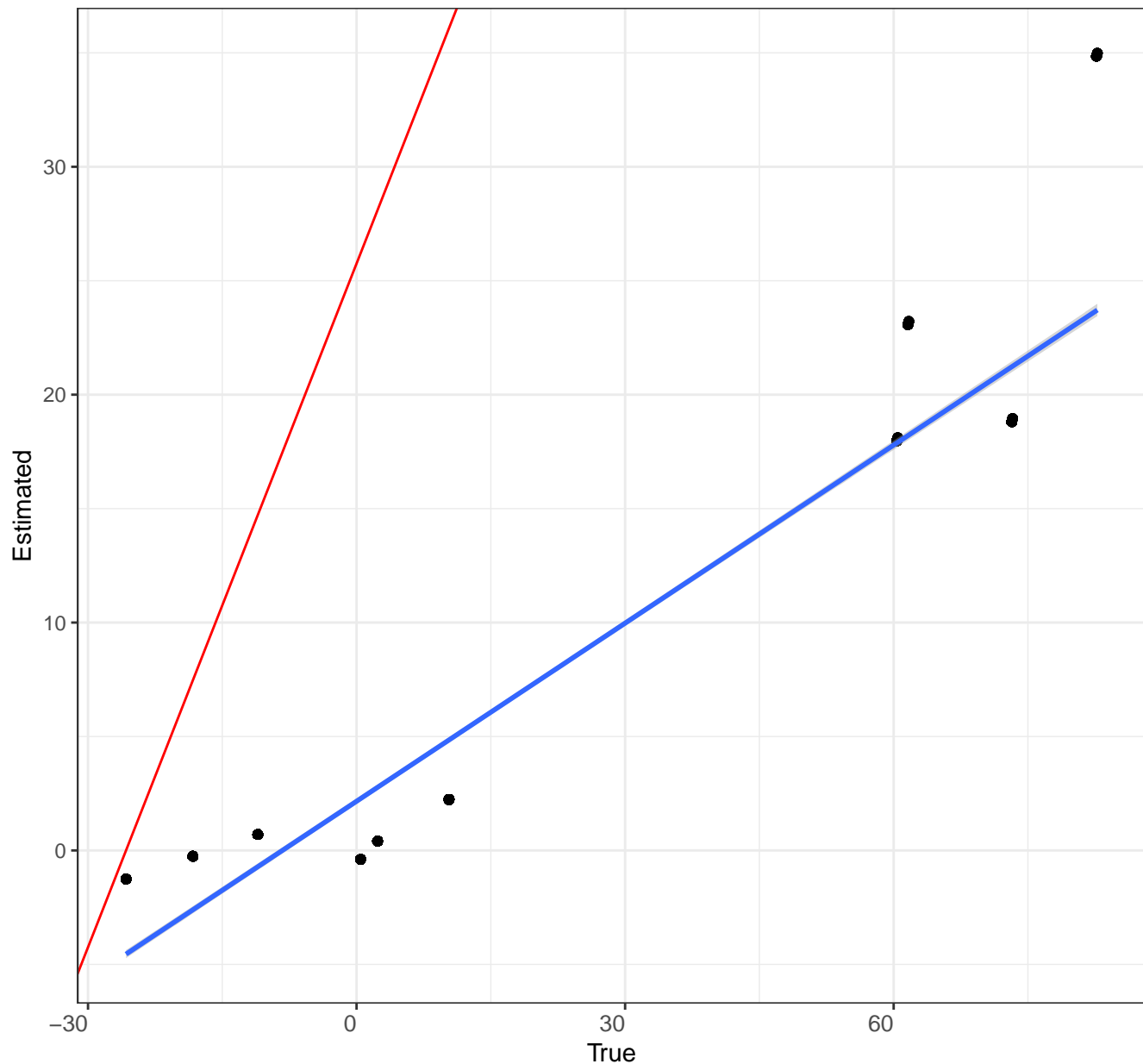
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



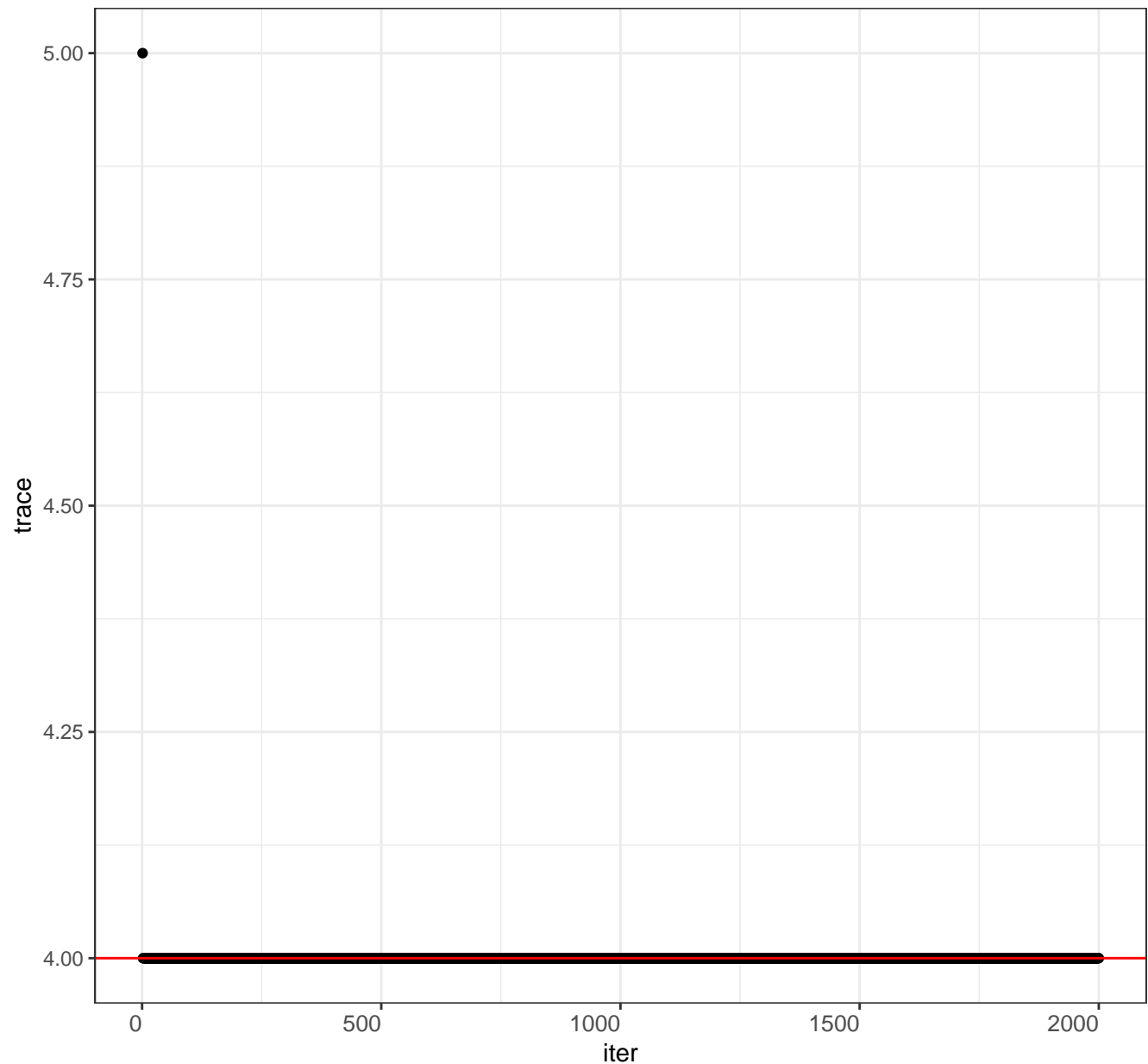
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

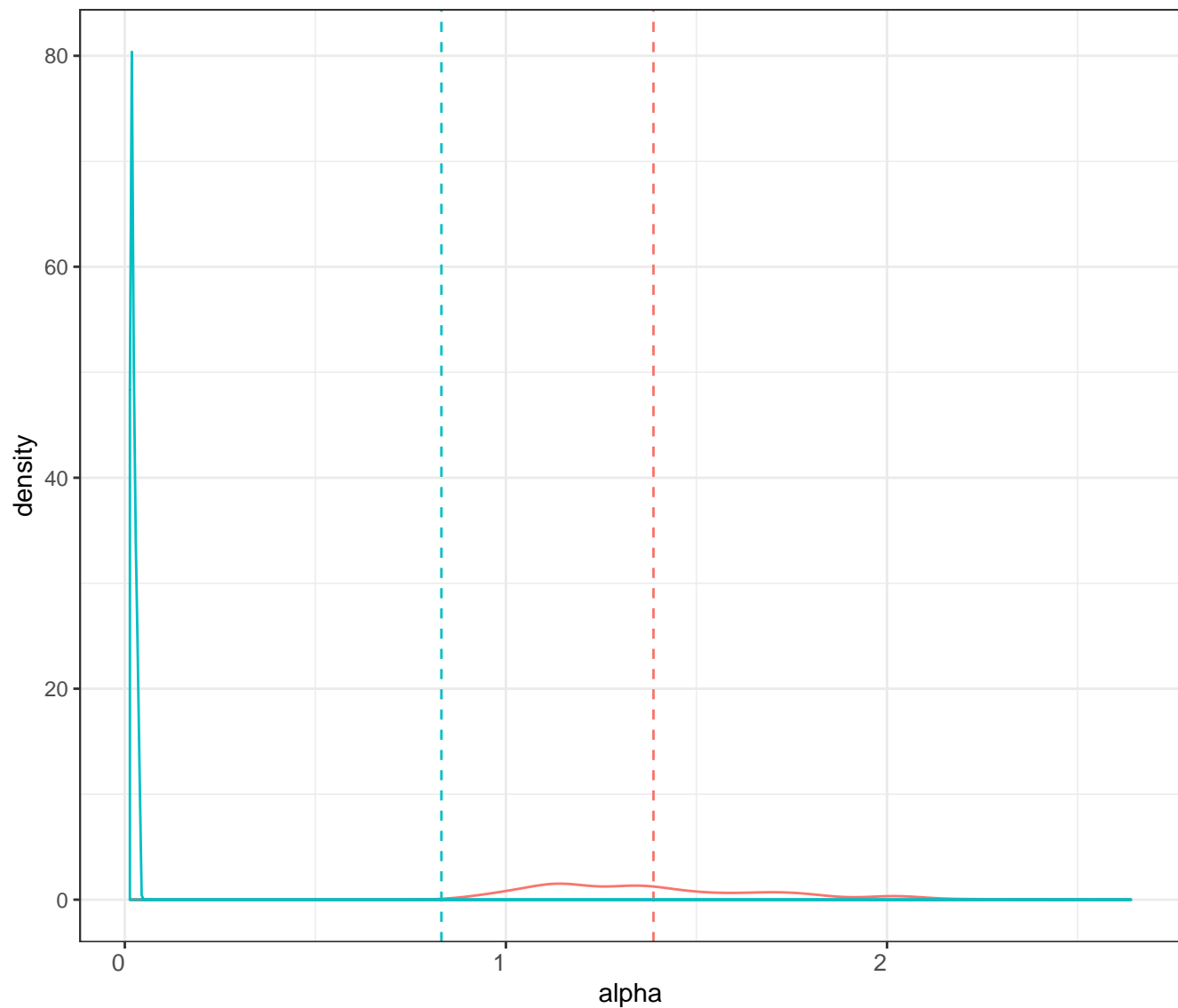
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

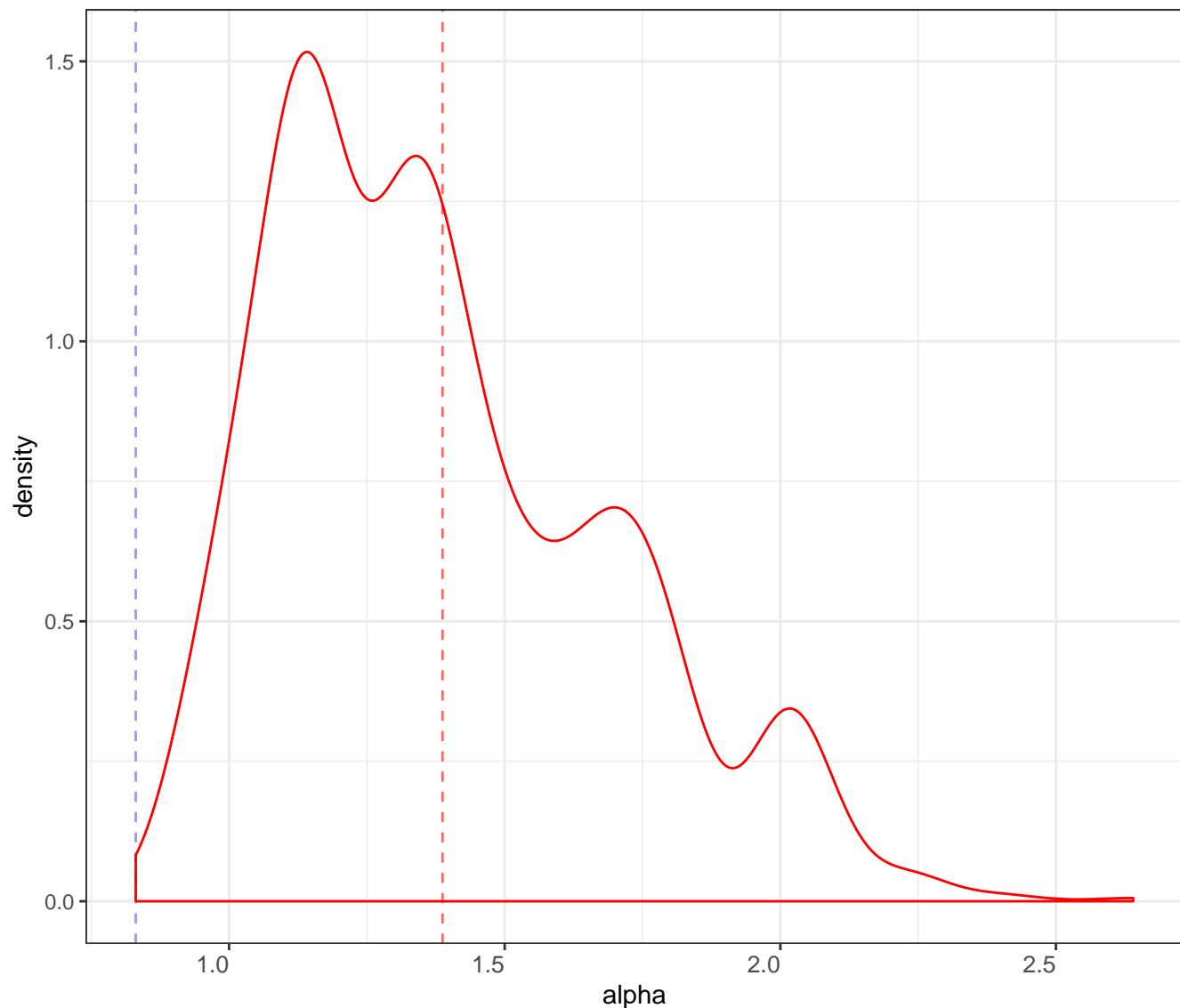
Legend



posterior mean

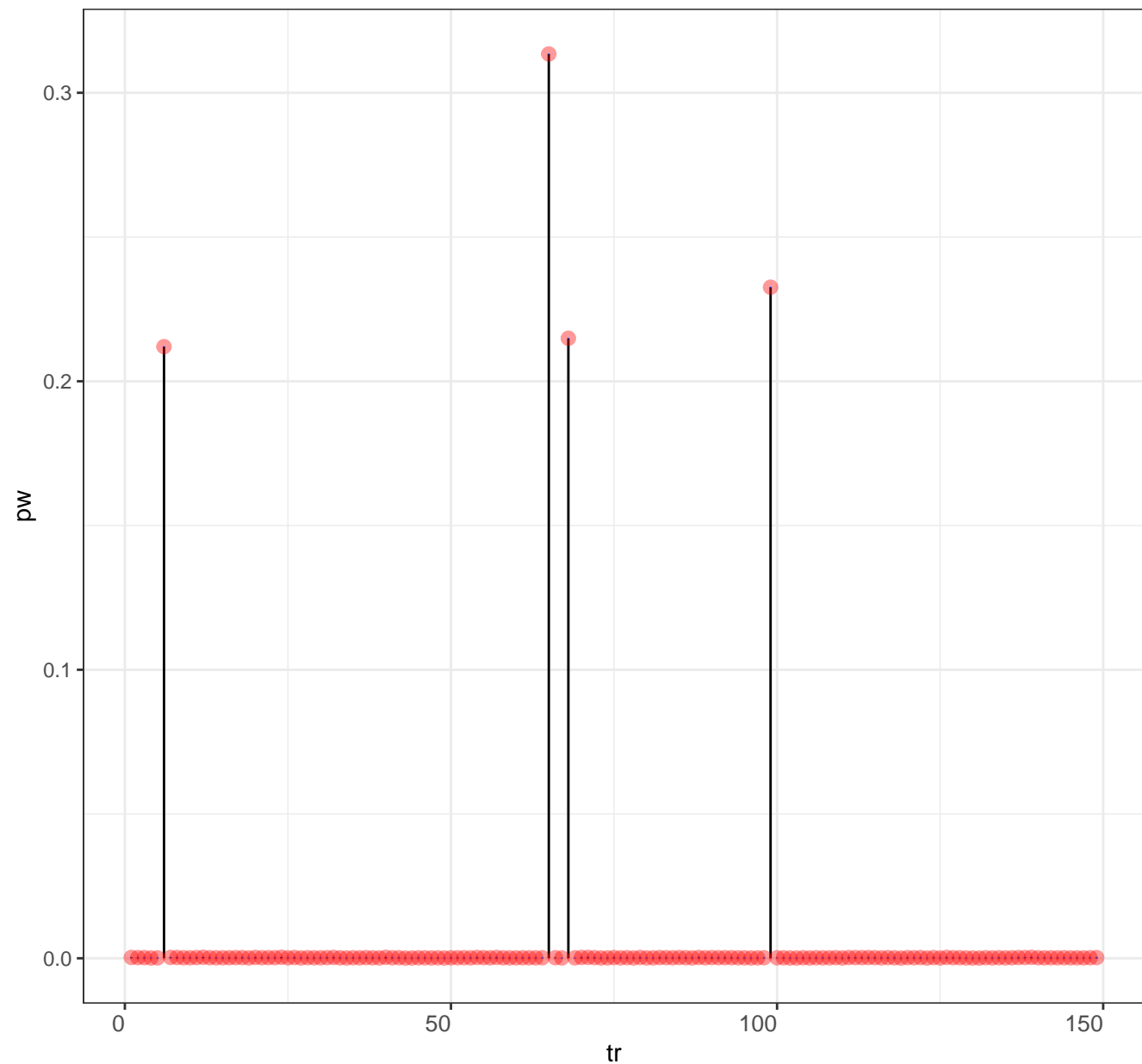


prior mean



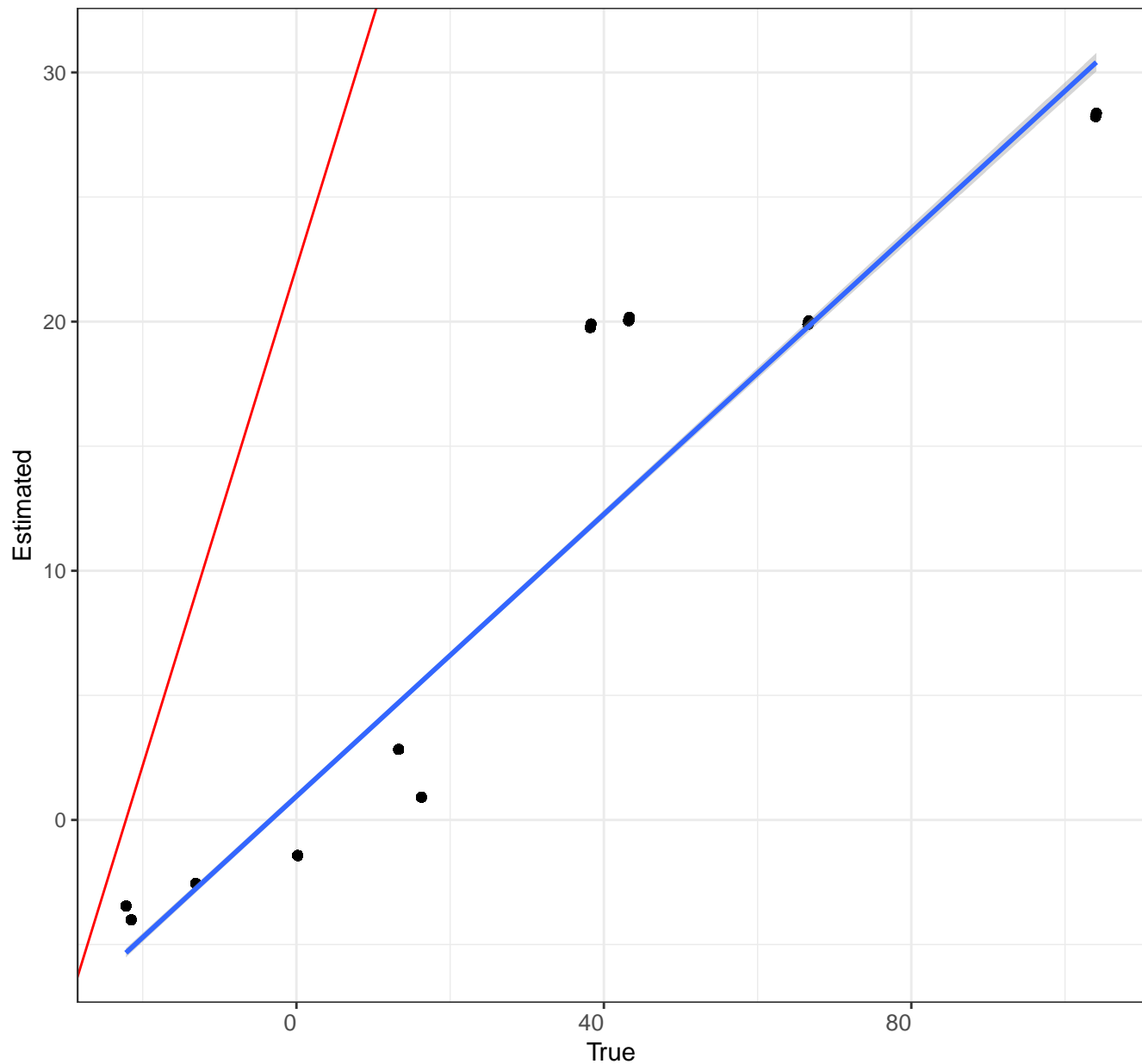
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



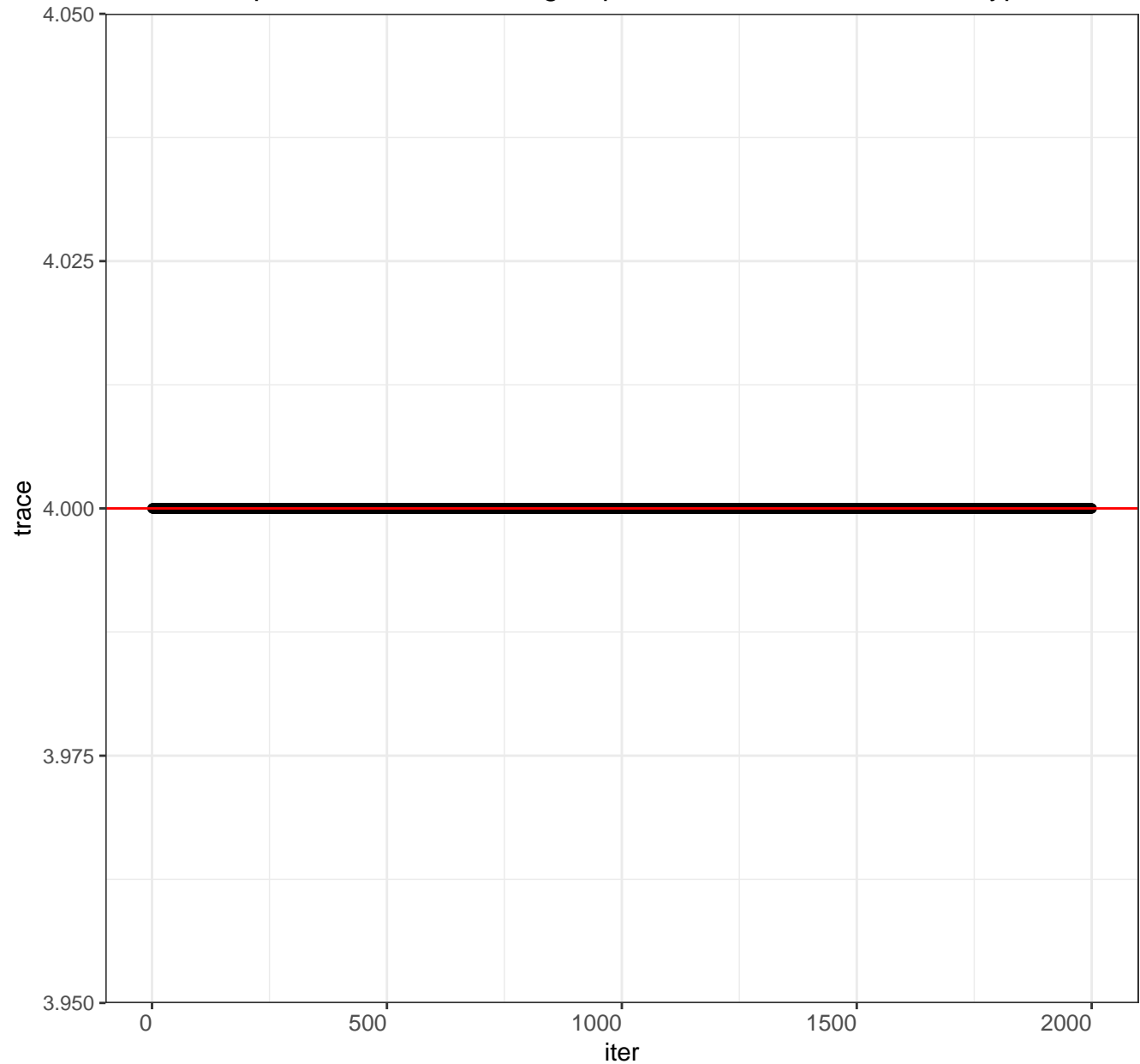
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

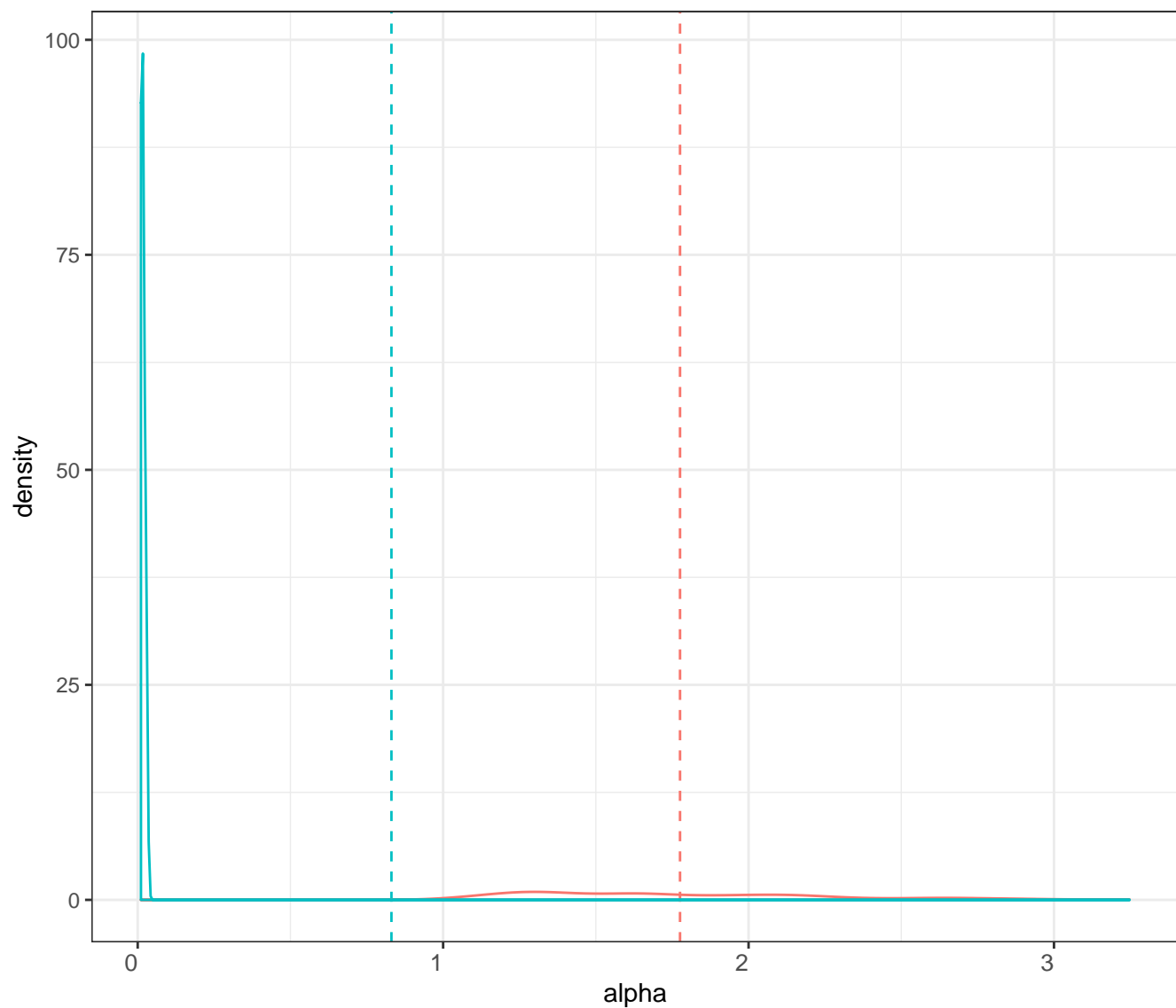
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



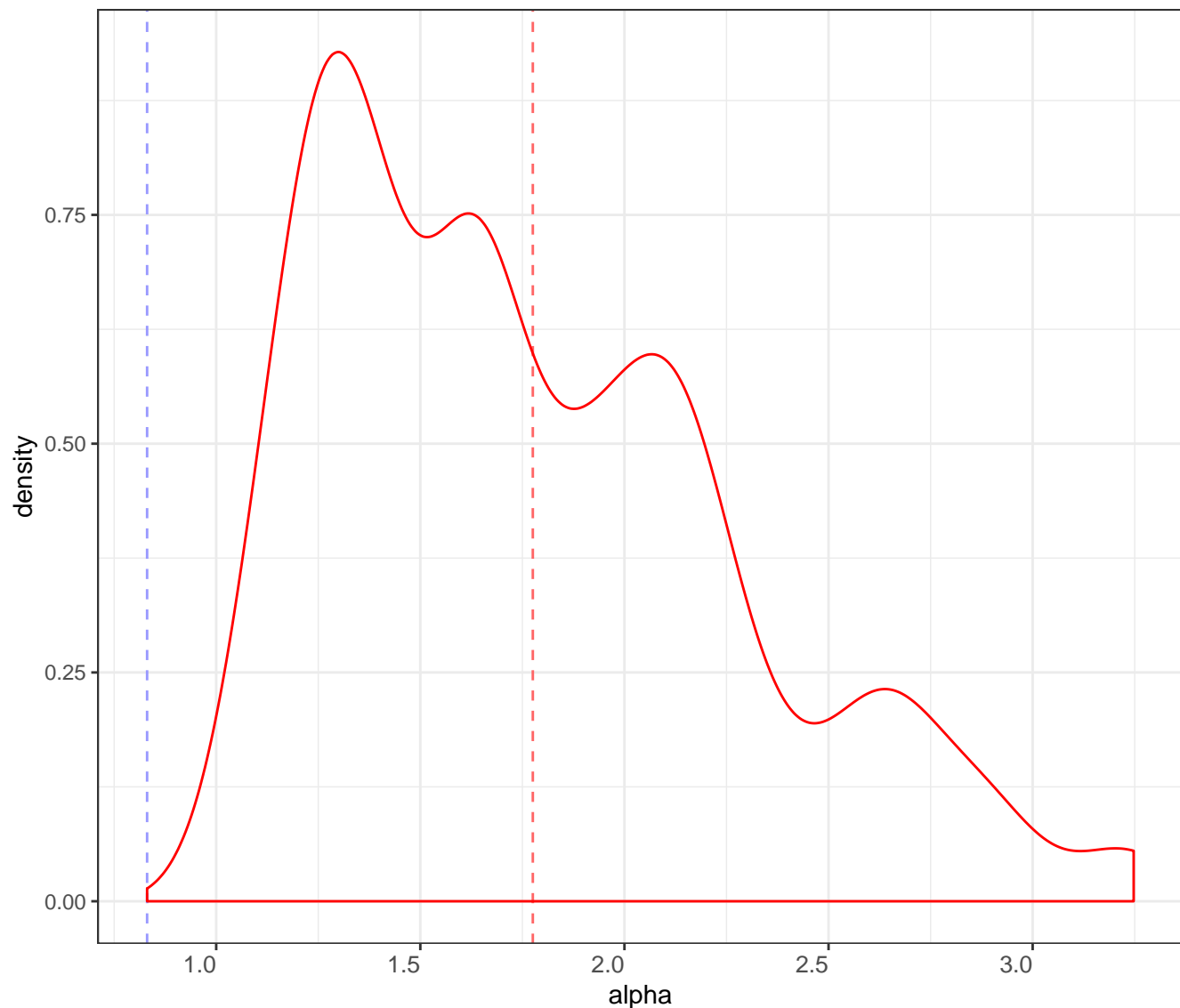
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

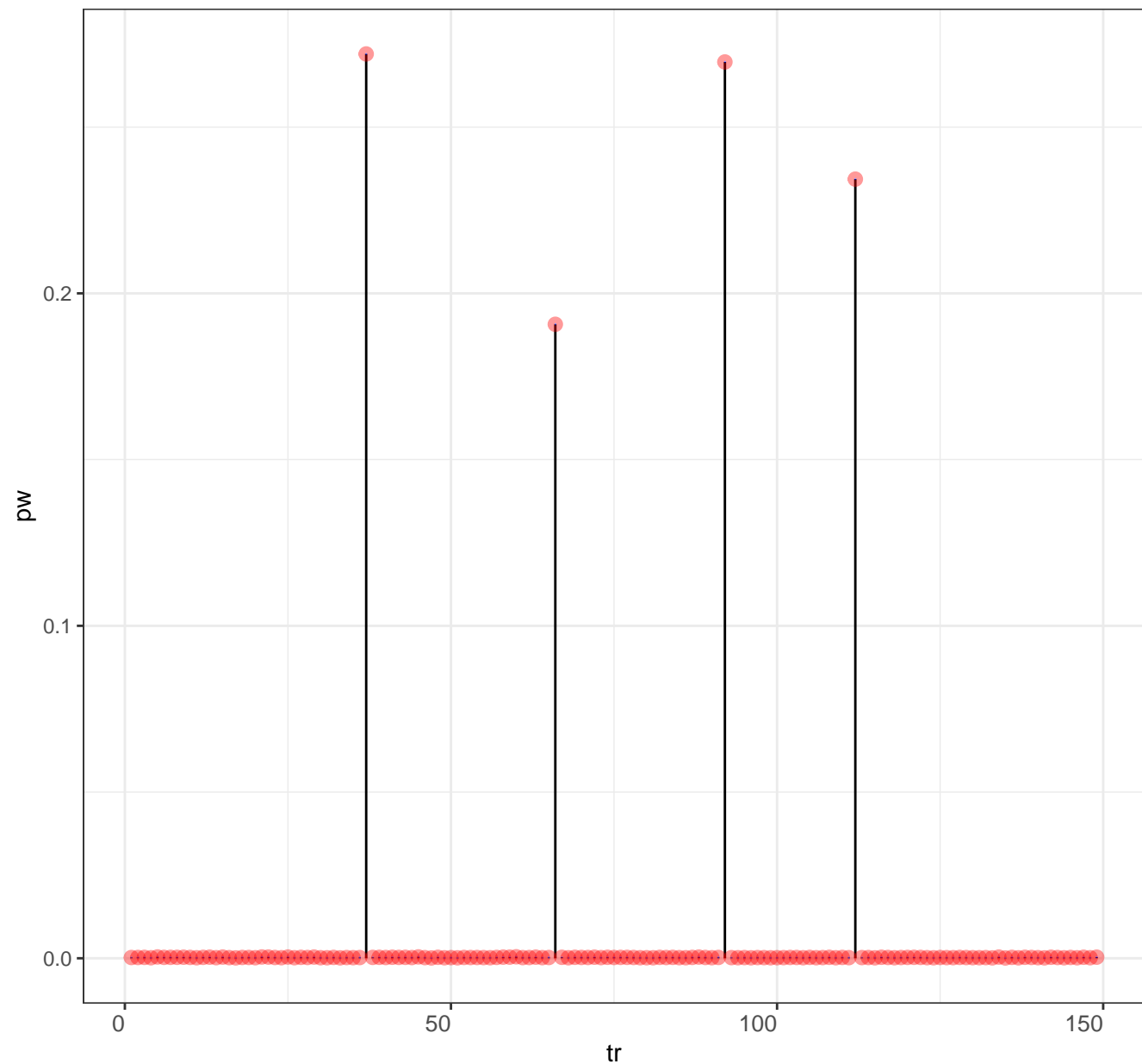
posterior mean

prior mean



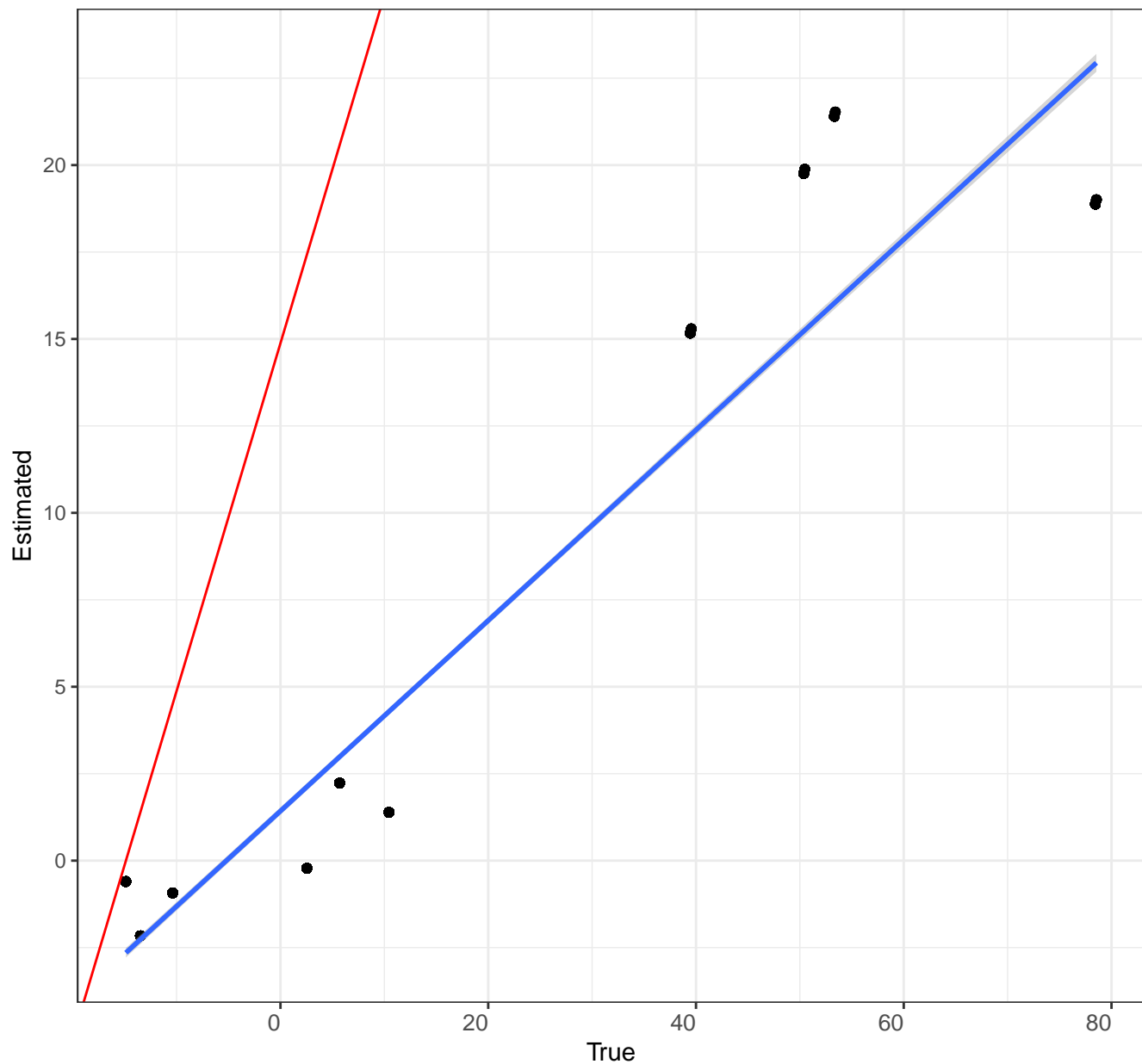
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



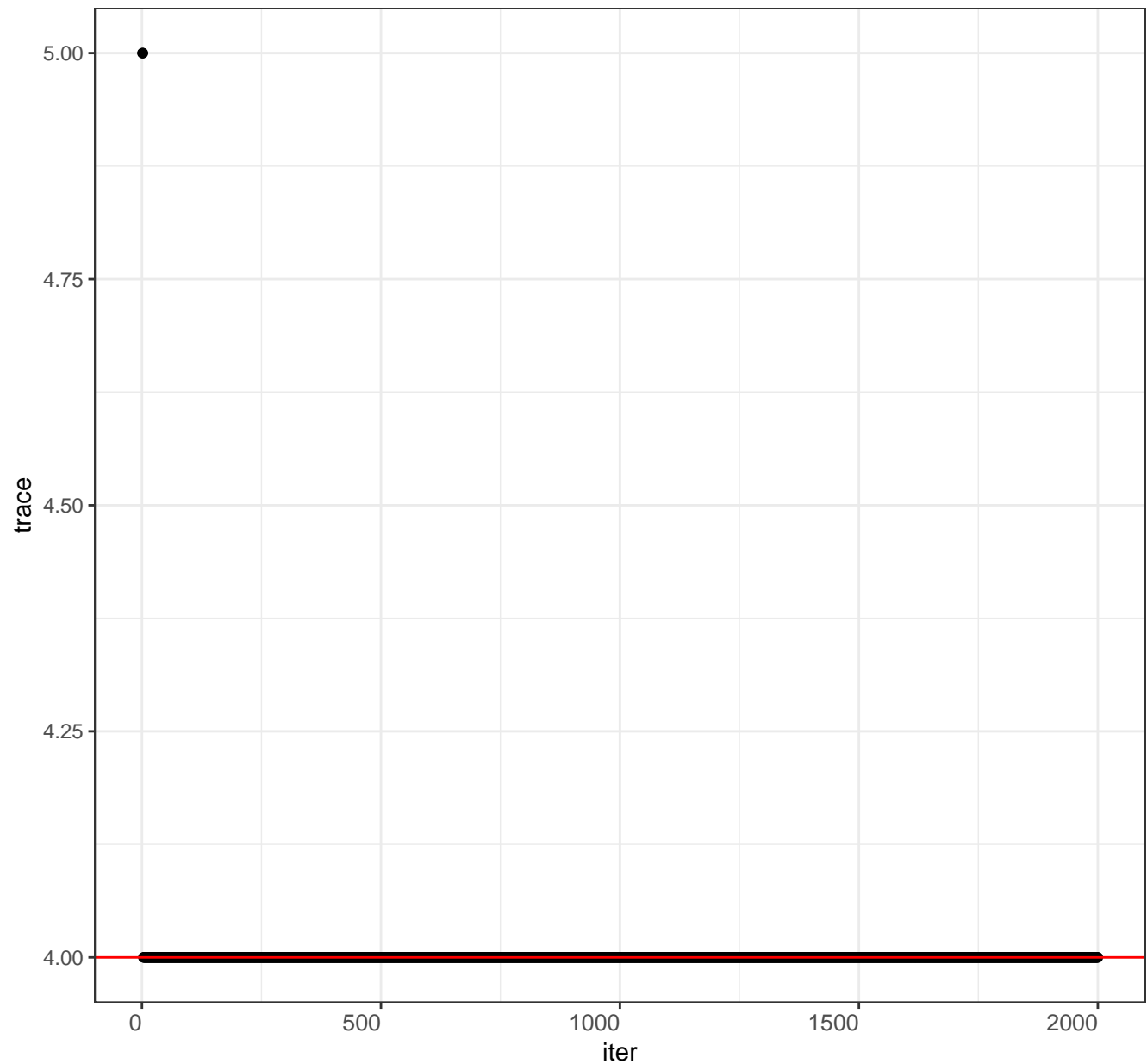
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

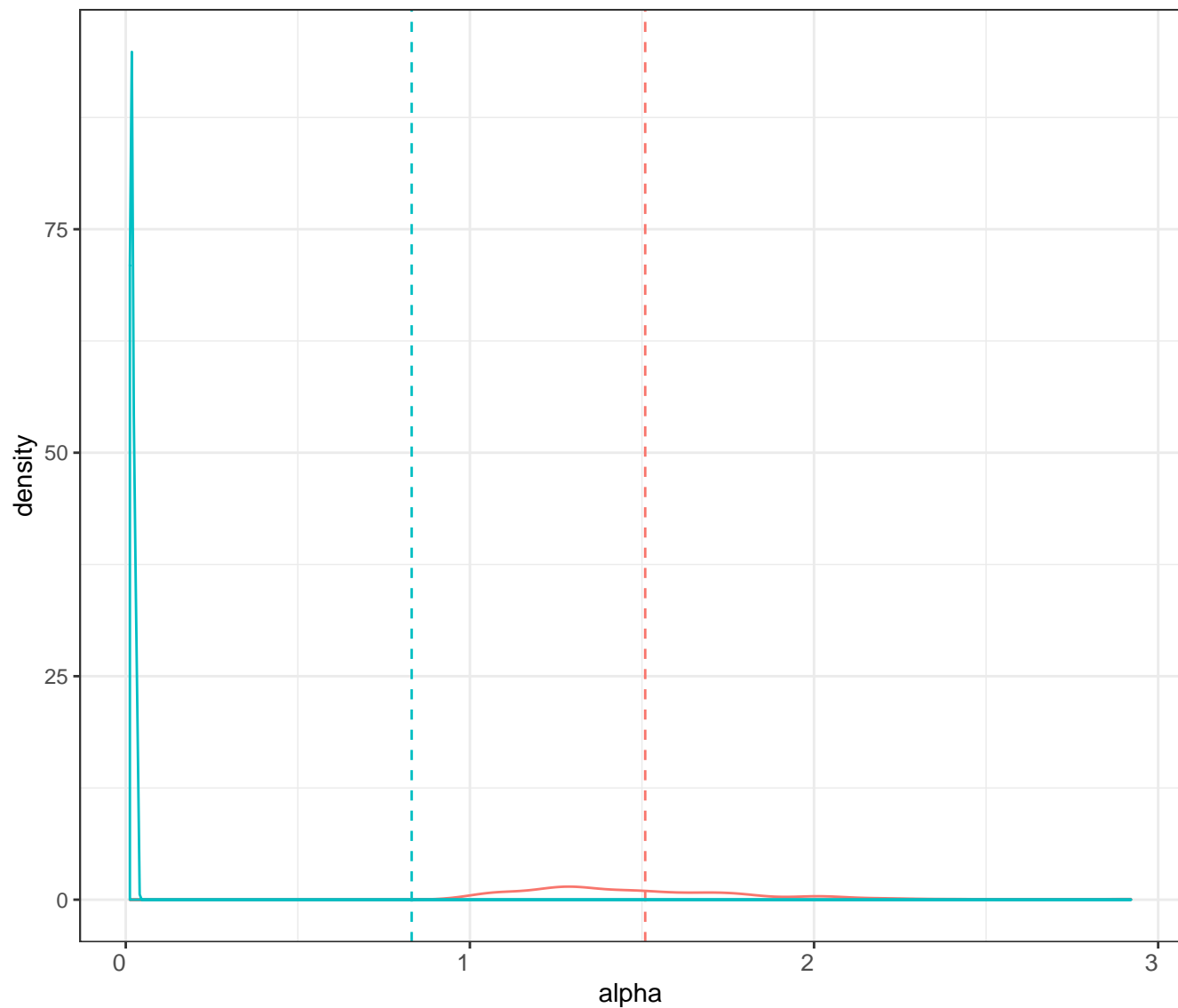
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

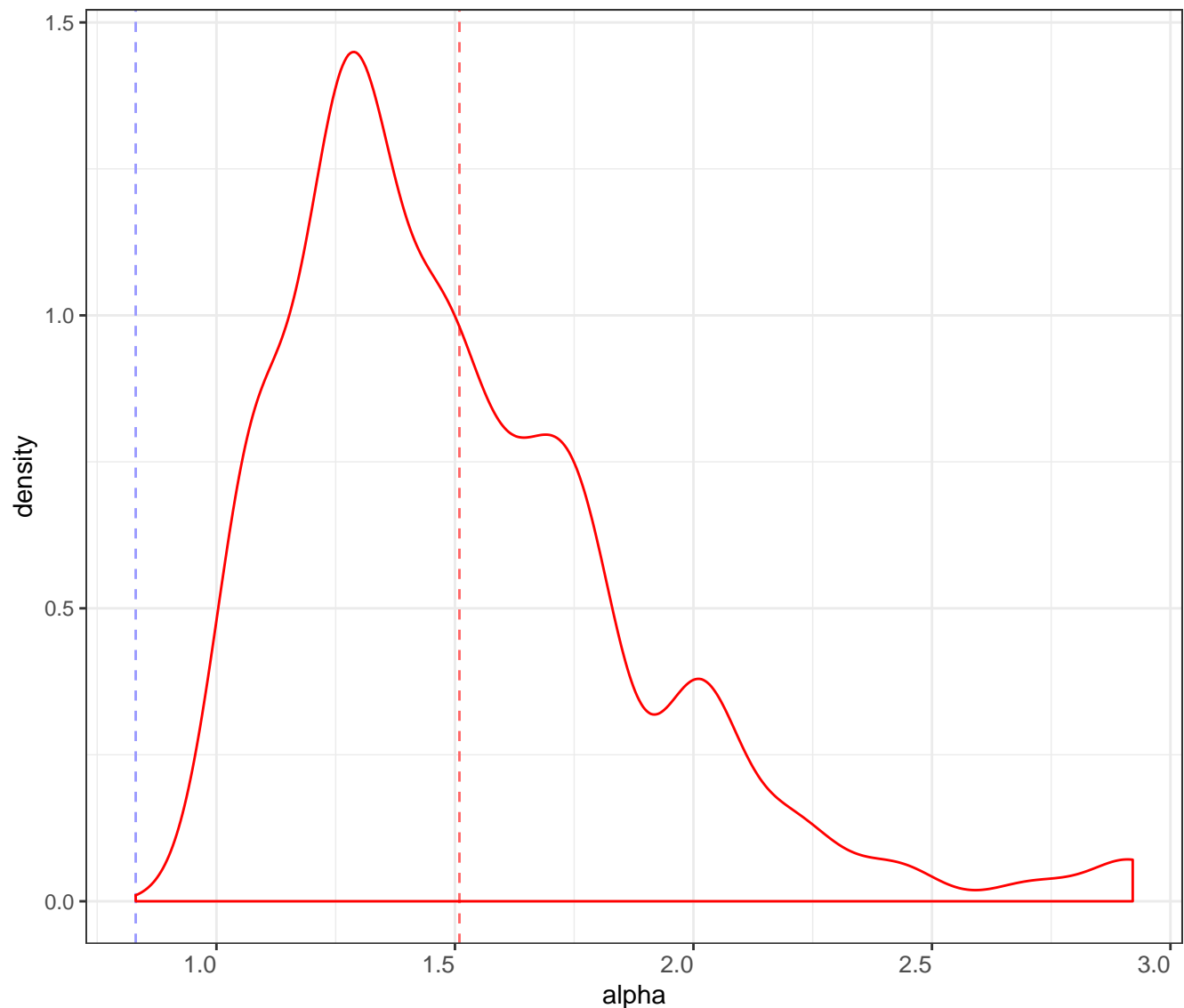
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

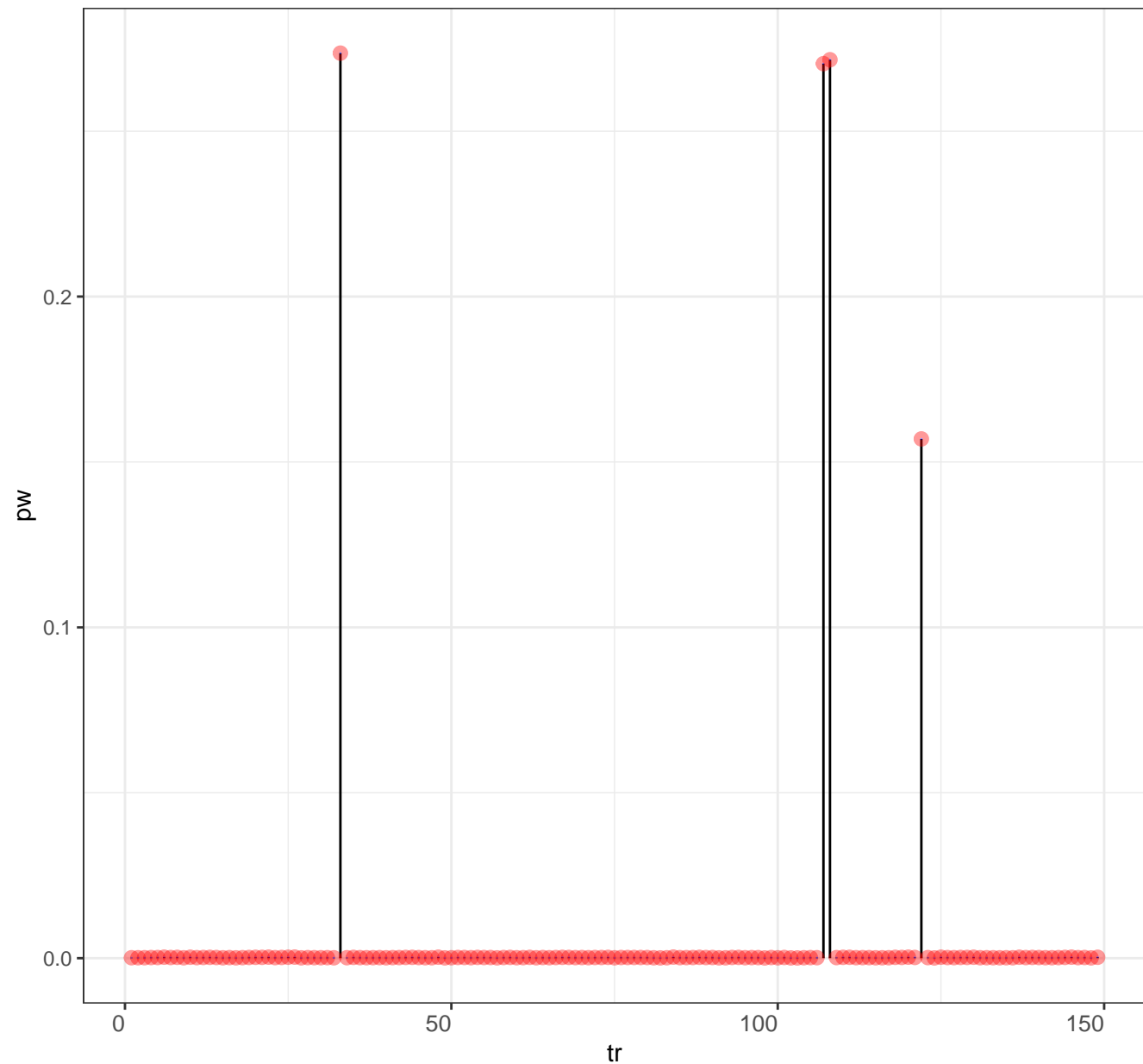
Posterior distribution for alpha

Legend posterior mean prior mean



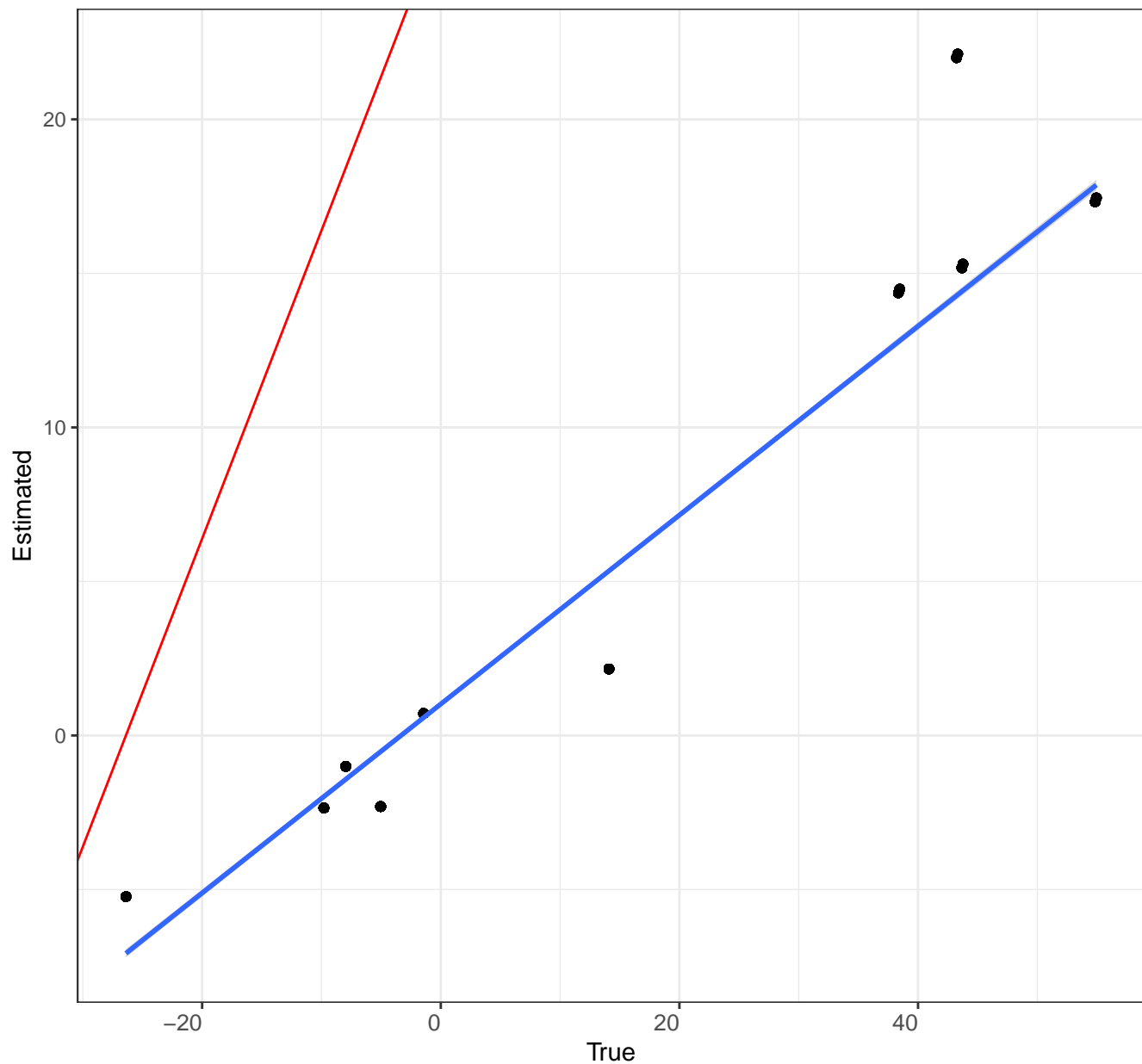
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



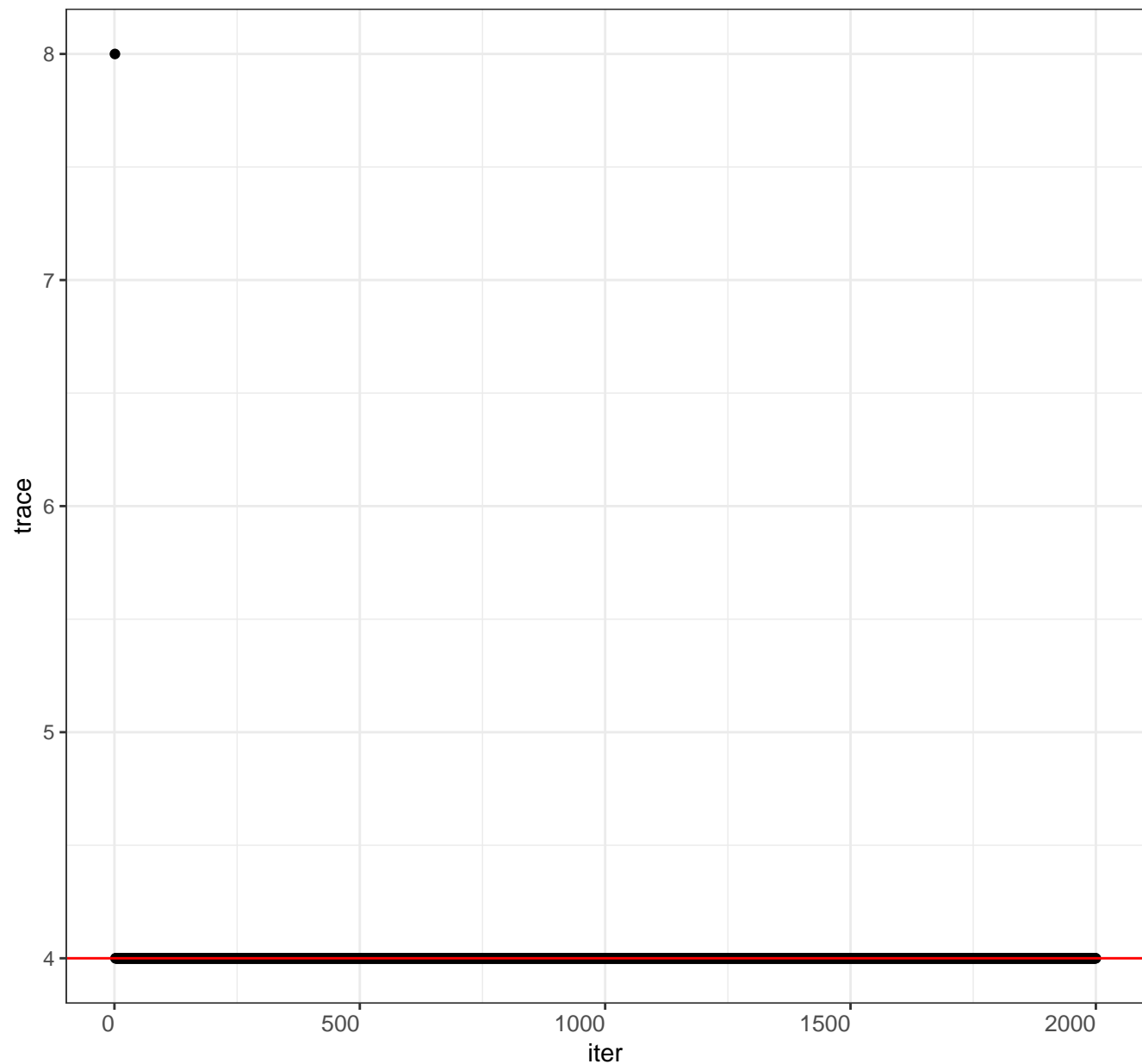
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

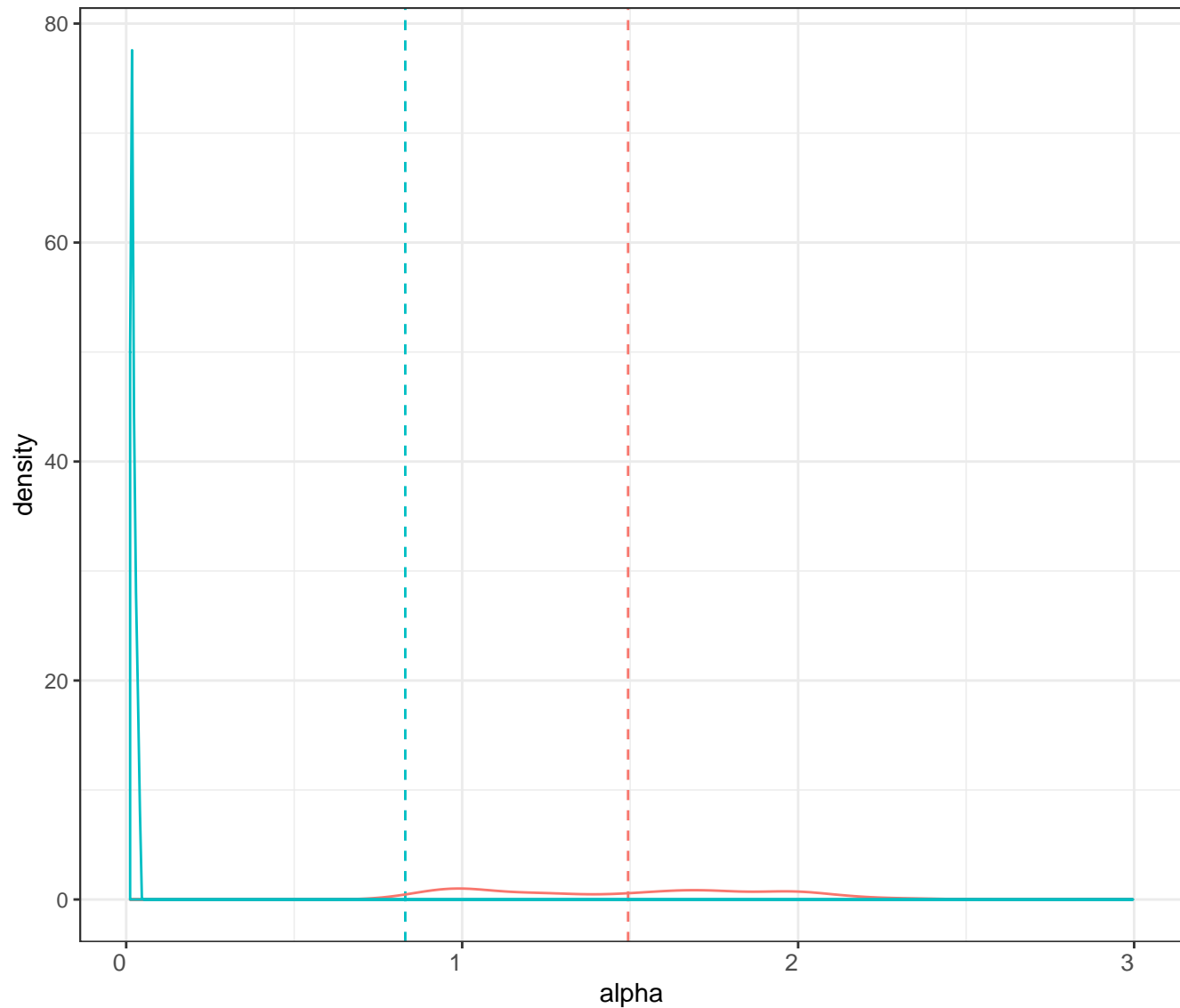
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

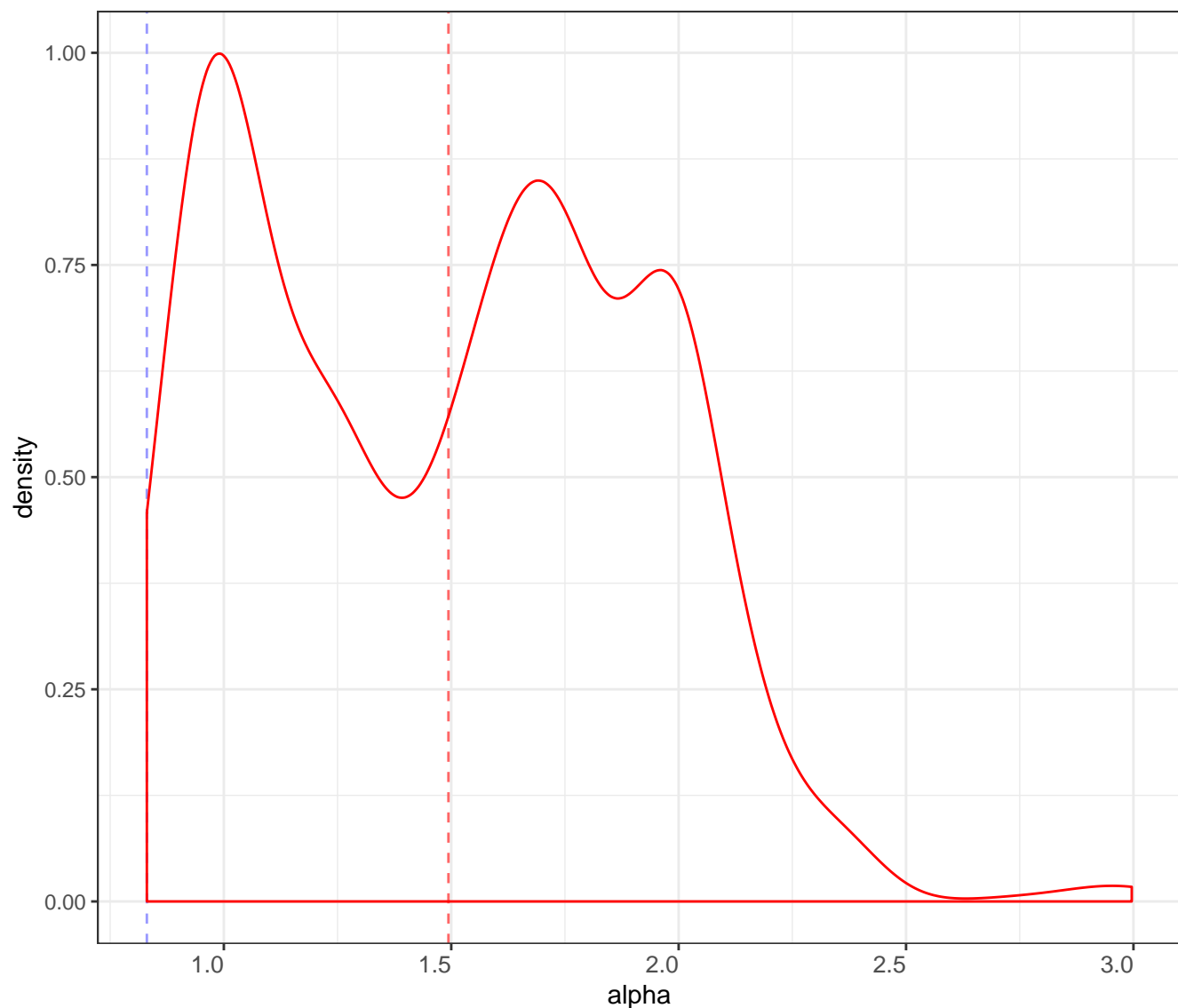
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

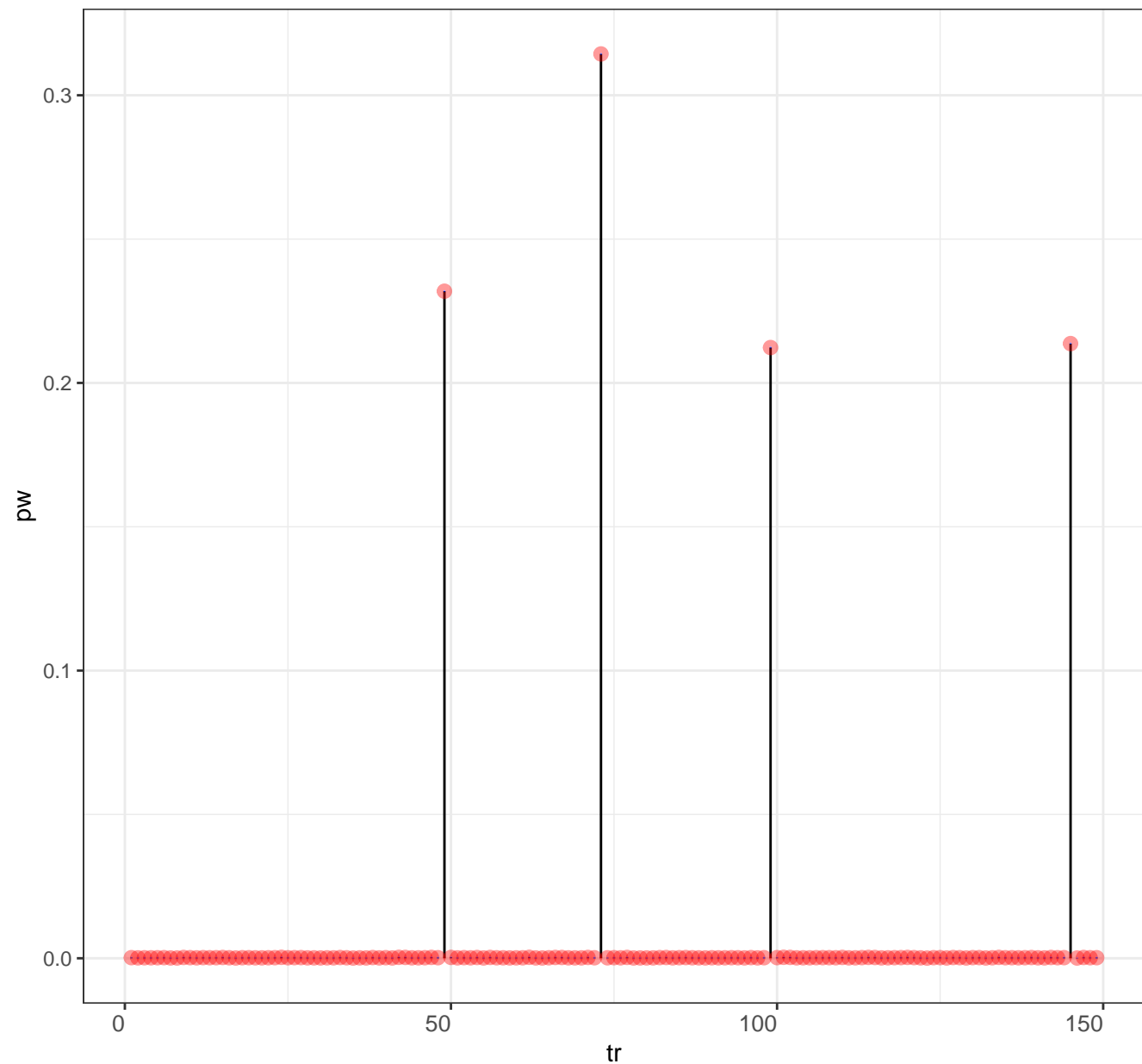
Posterior distribution for alpha

Legend posterior mean prior mean



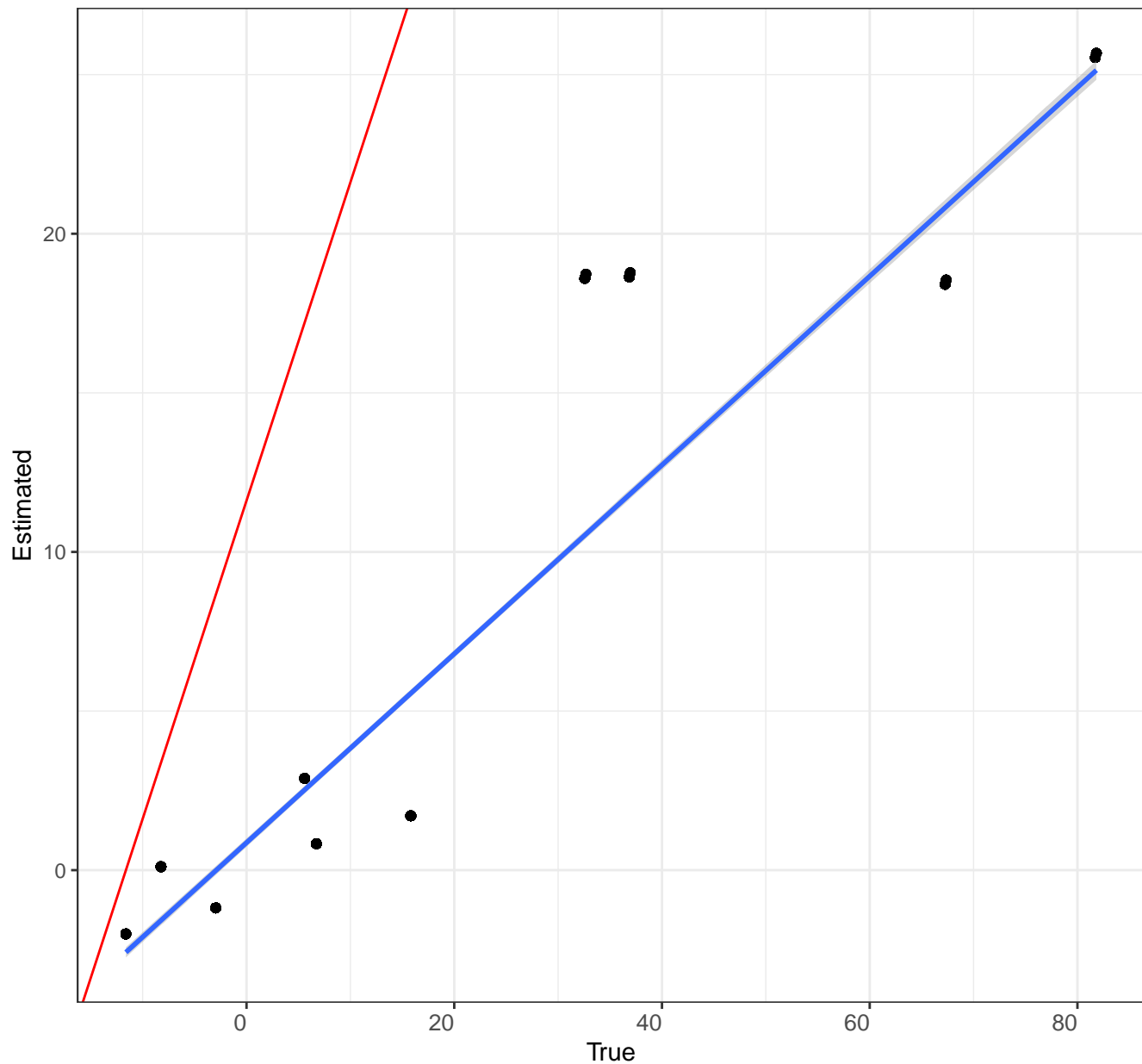
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



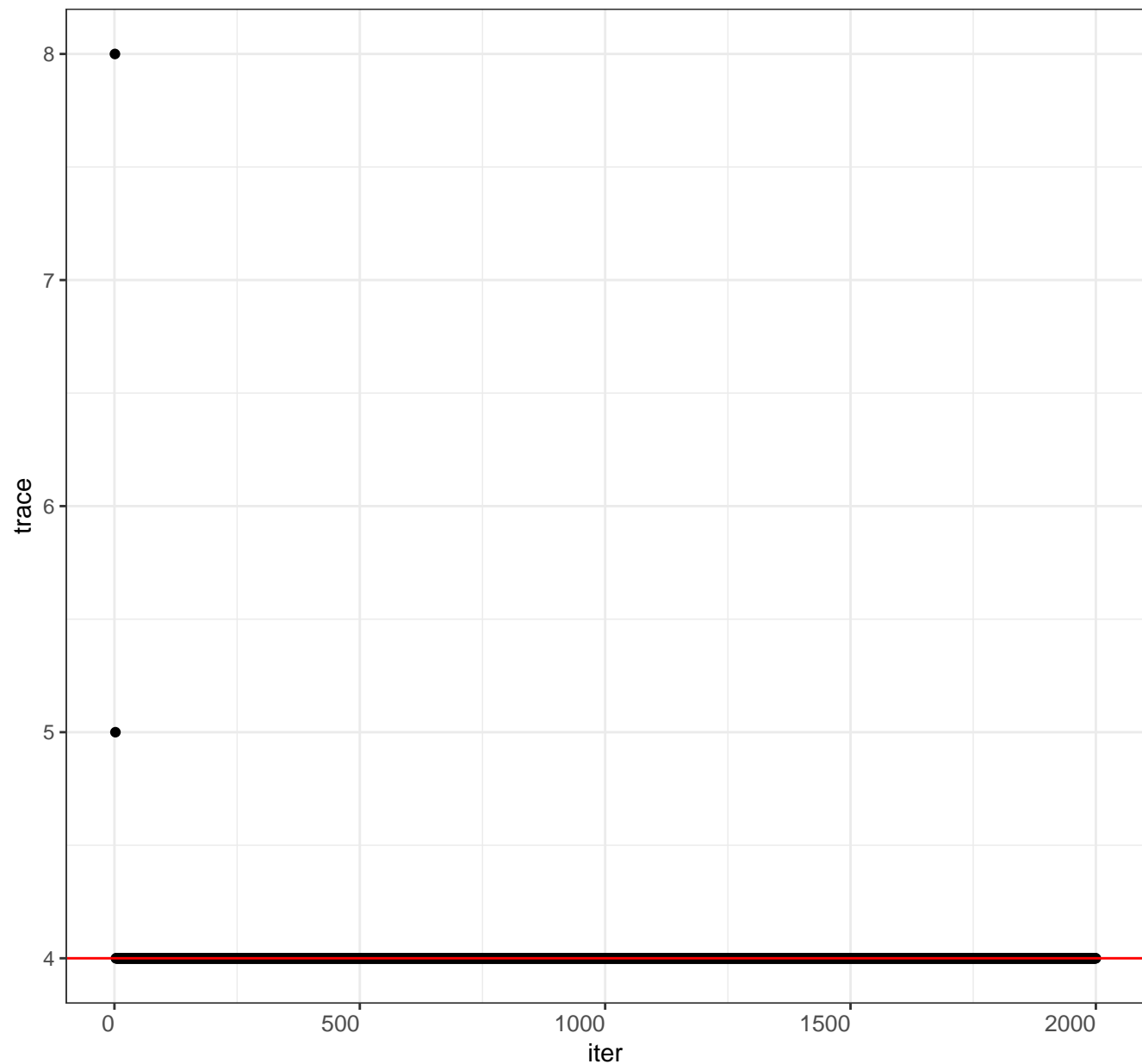
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

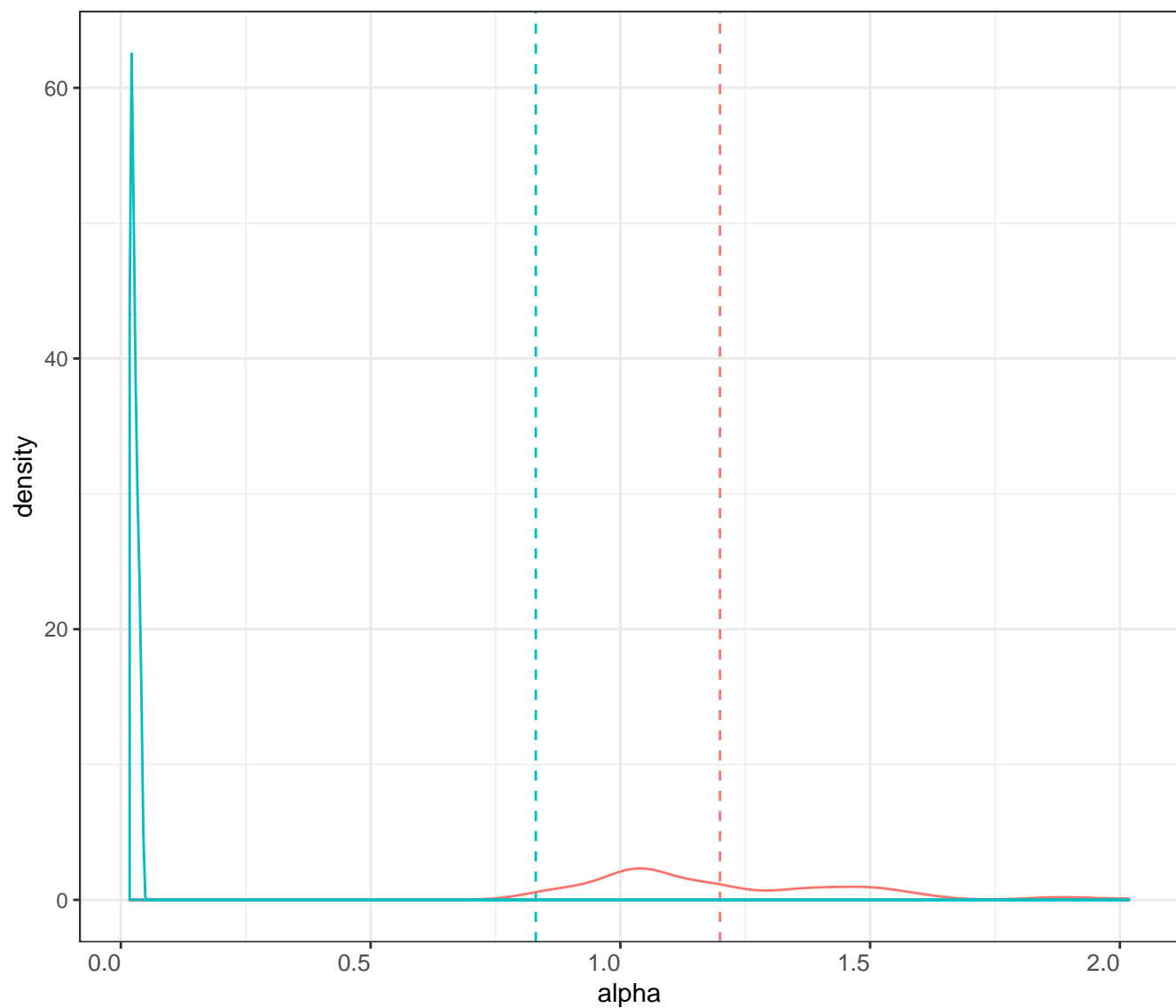
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

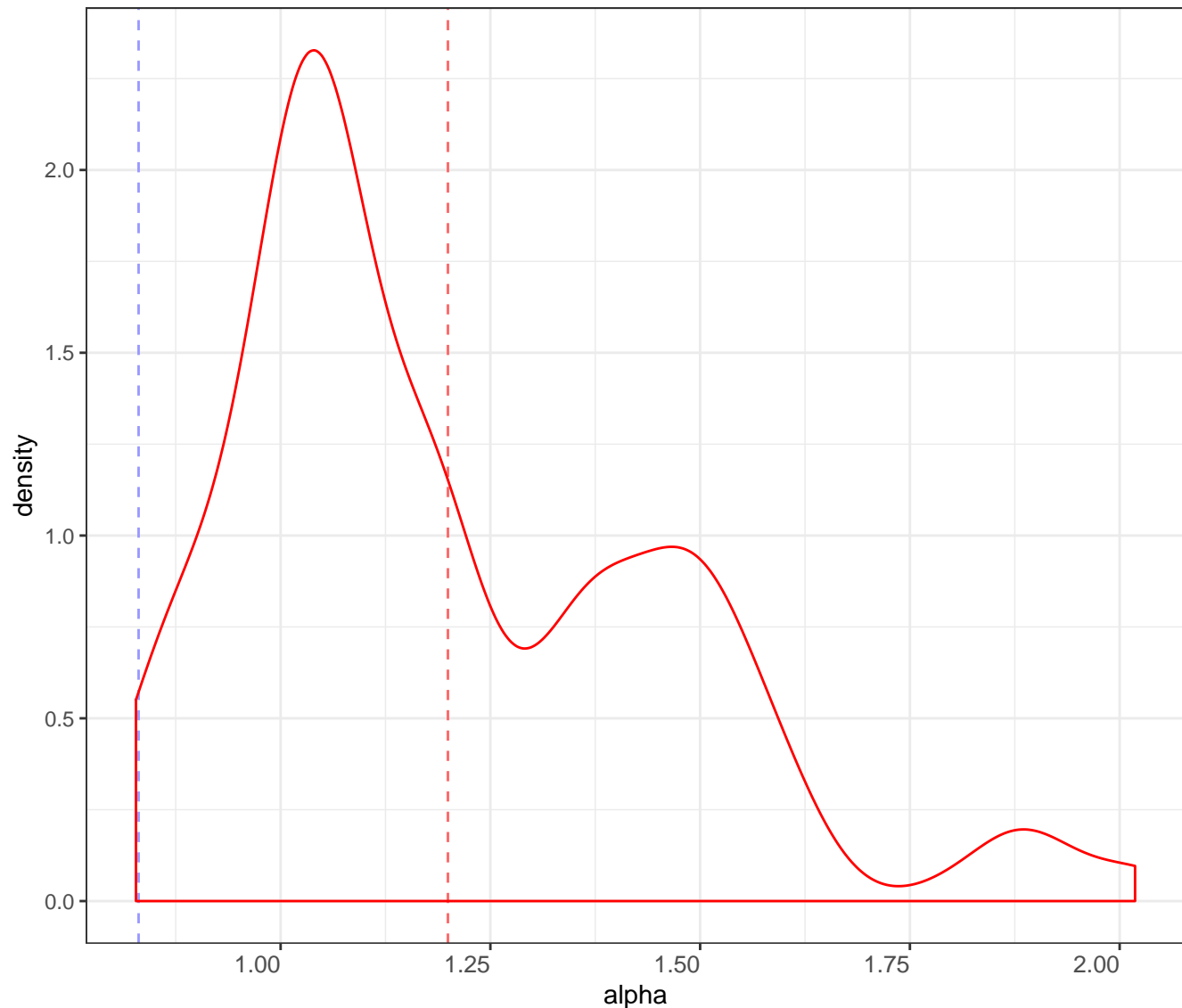
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

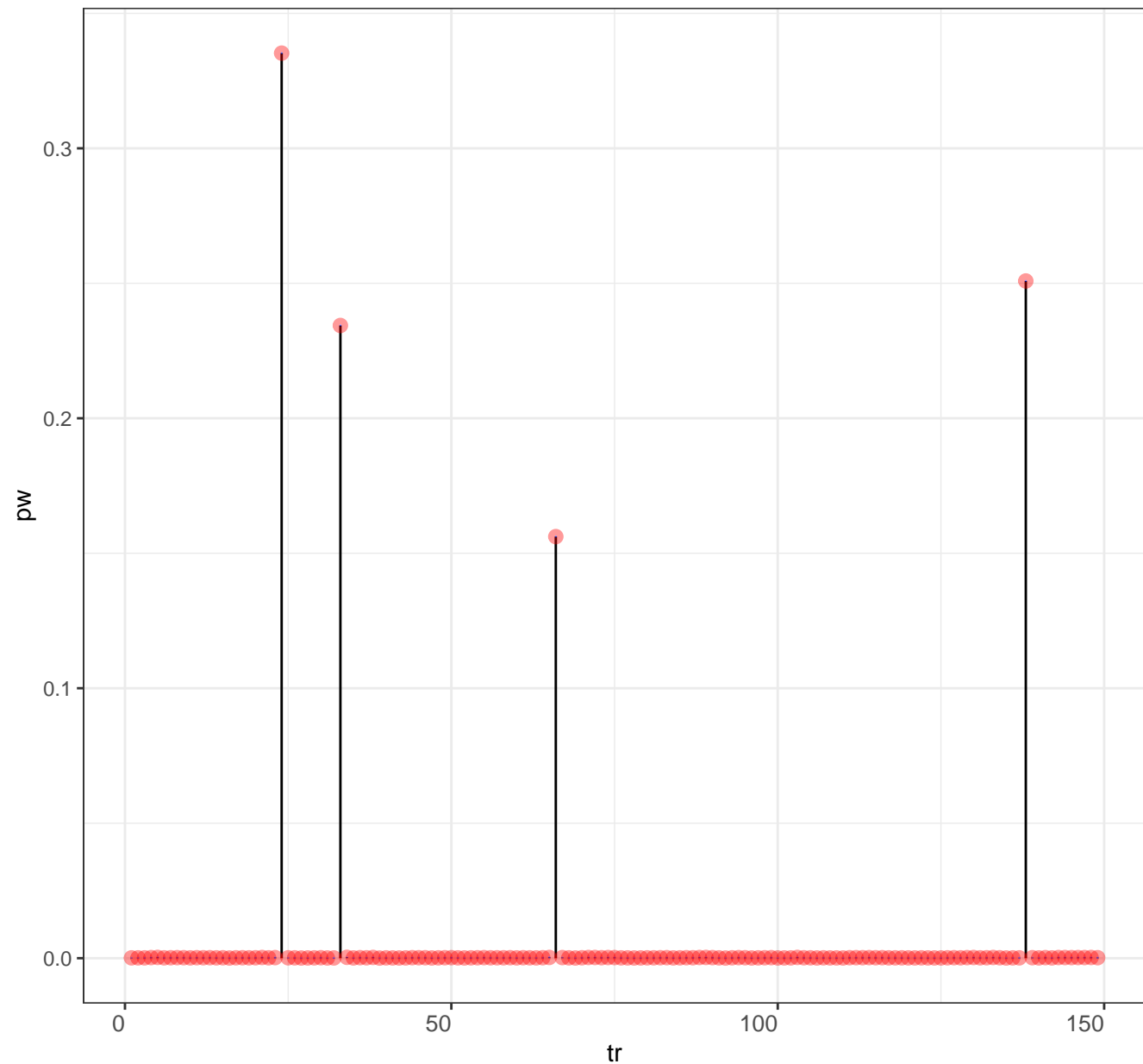
Posterior distribution for alpha

Legend posterior mean prior mean



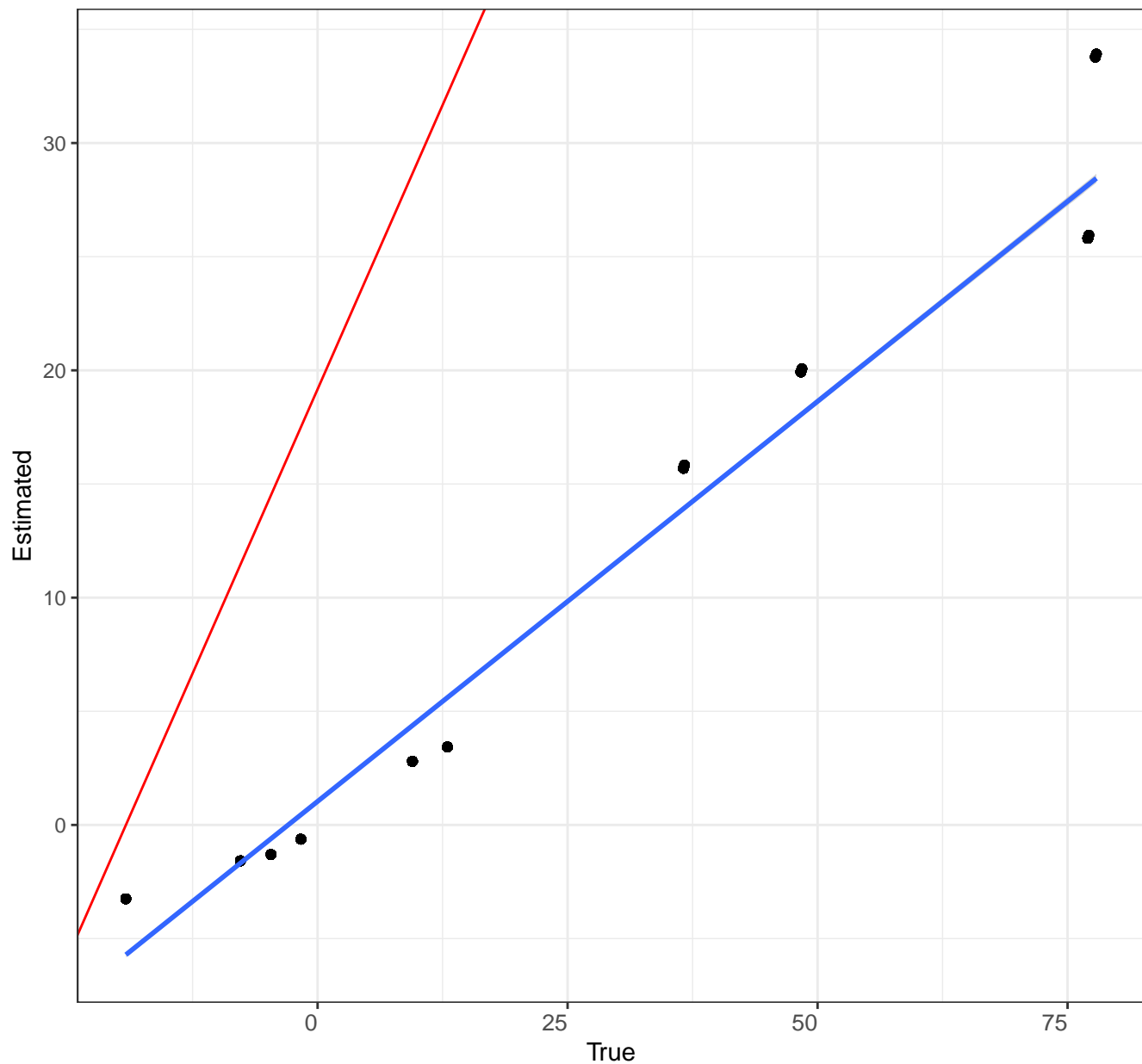
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



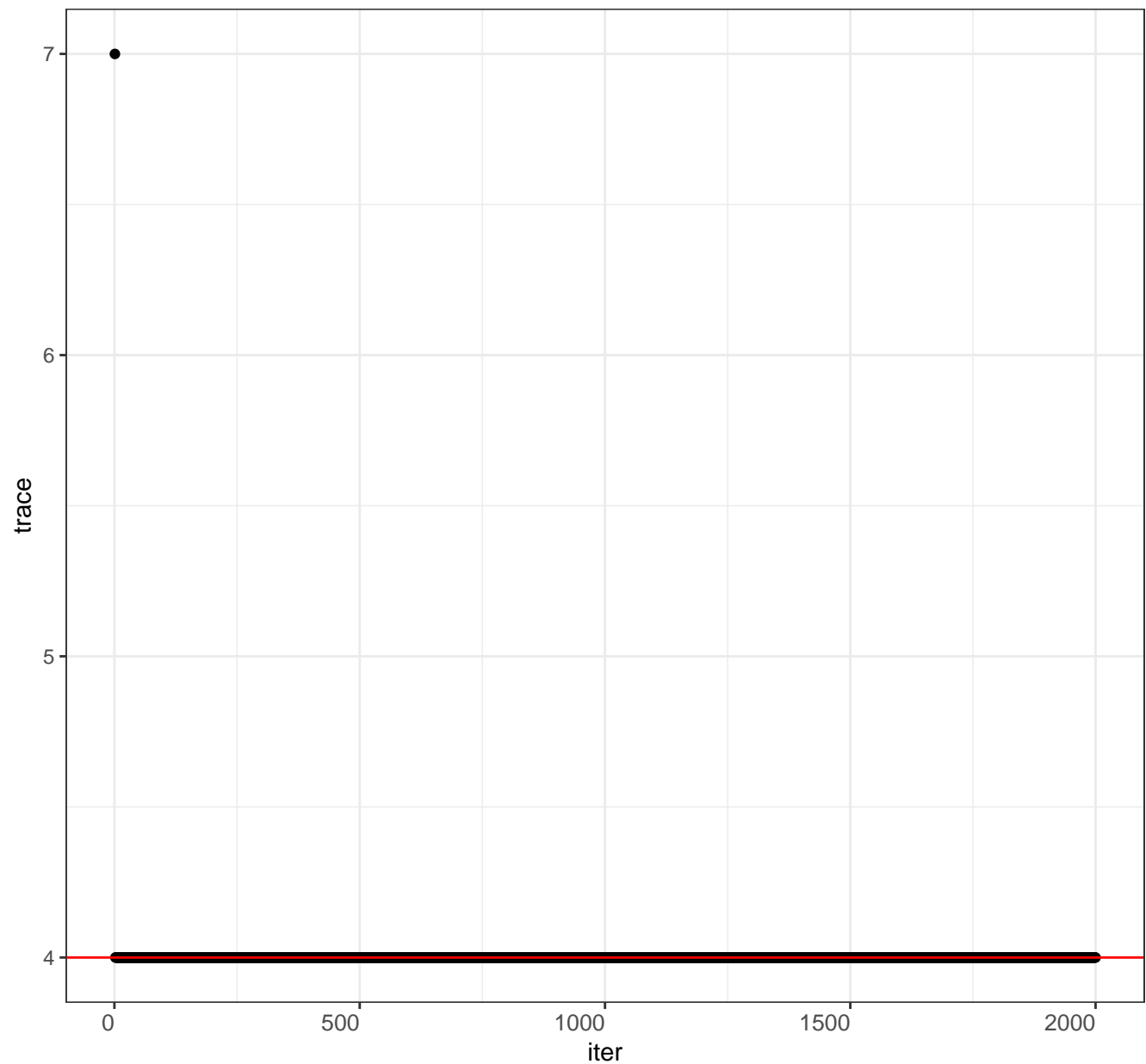
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

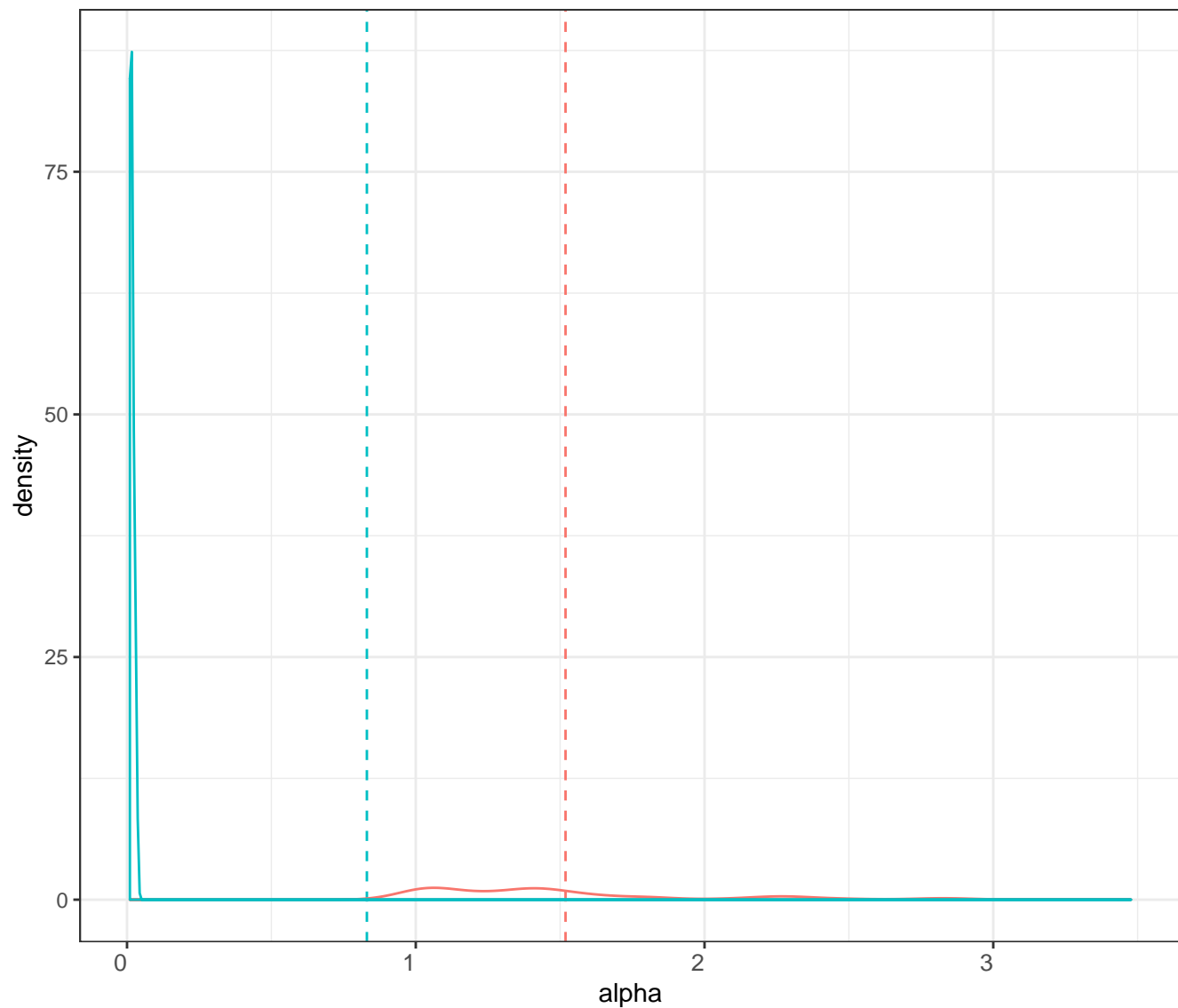
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

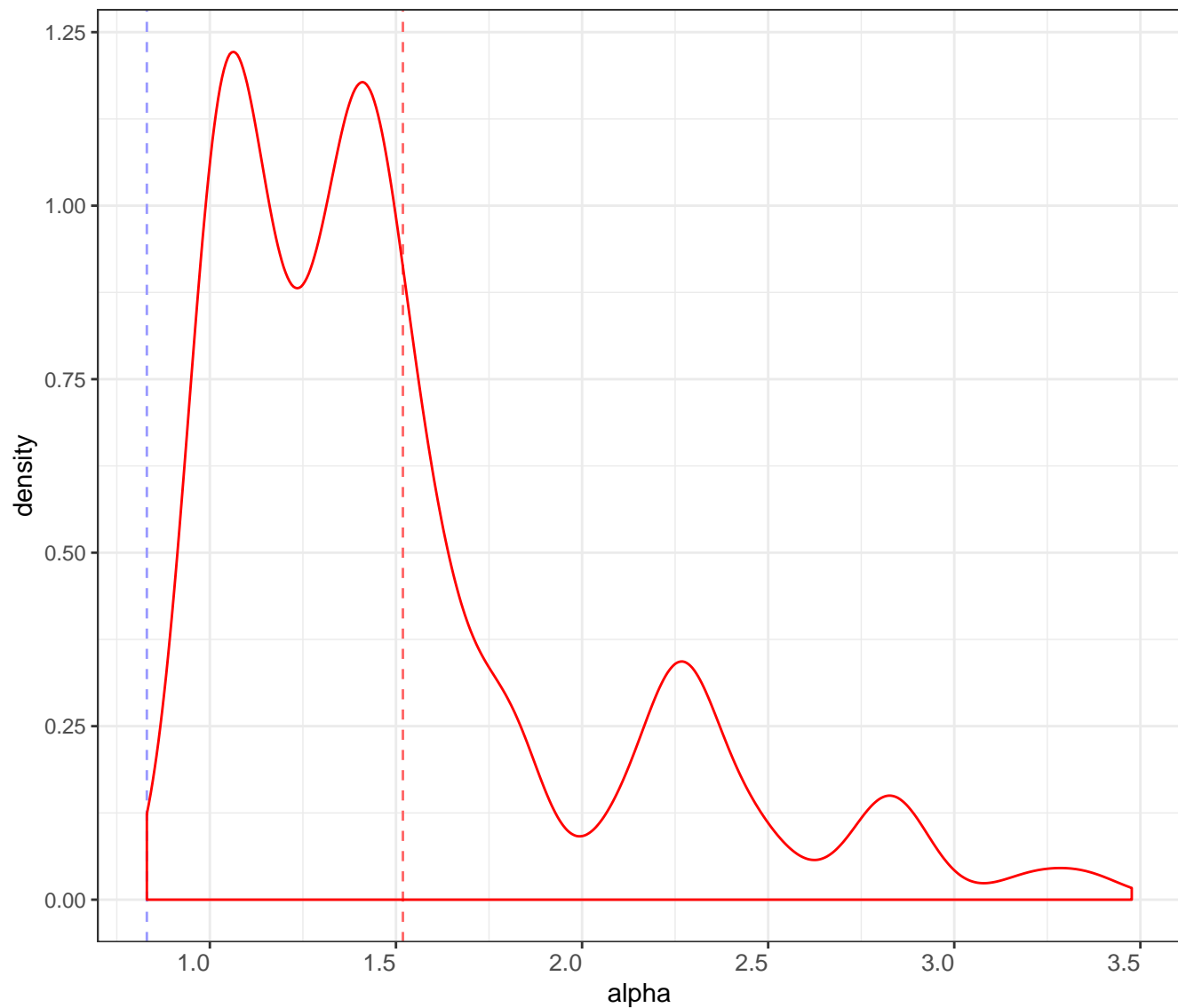
Legend



posterior mean

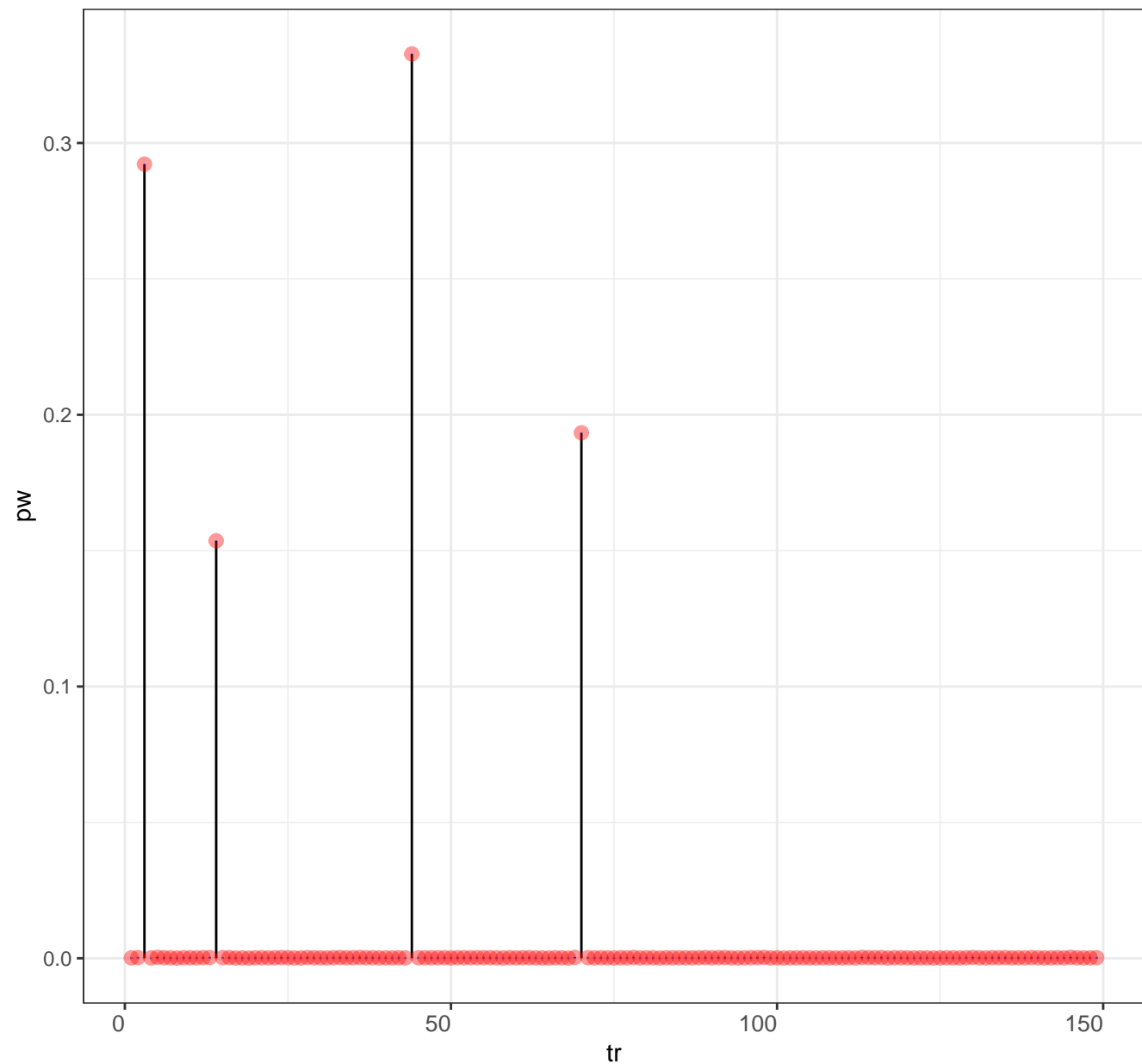


prior mean



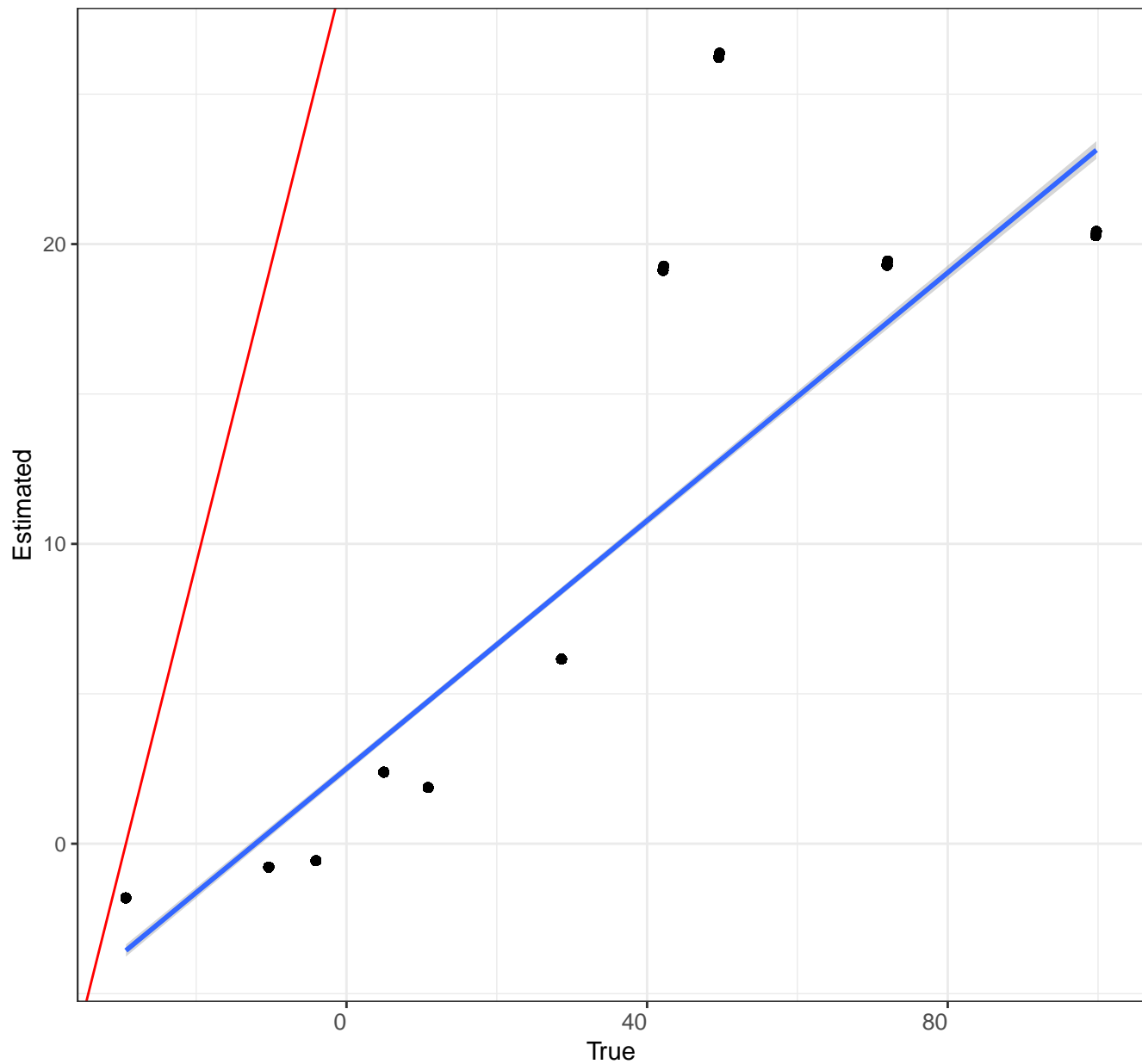
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



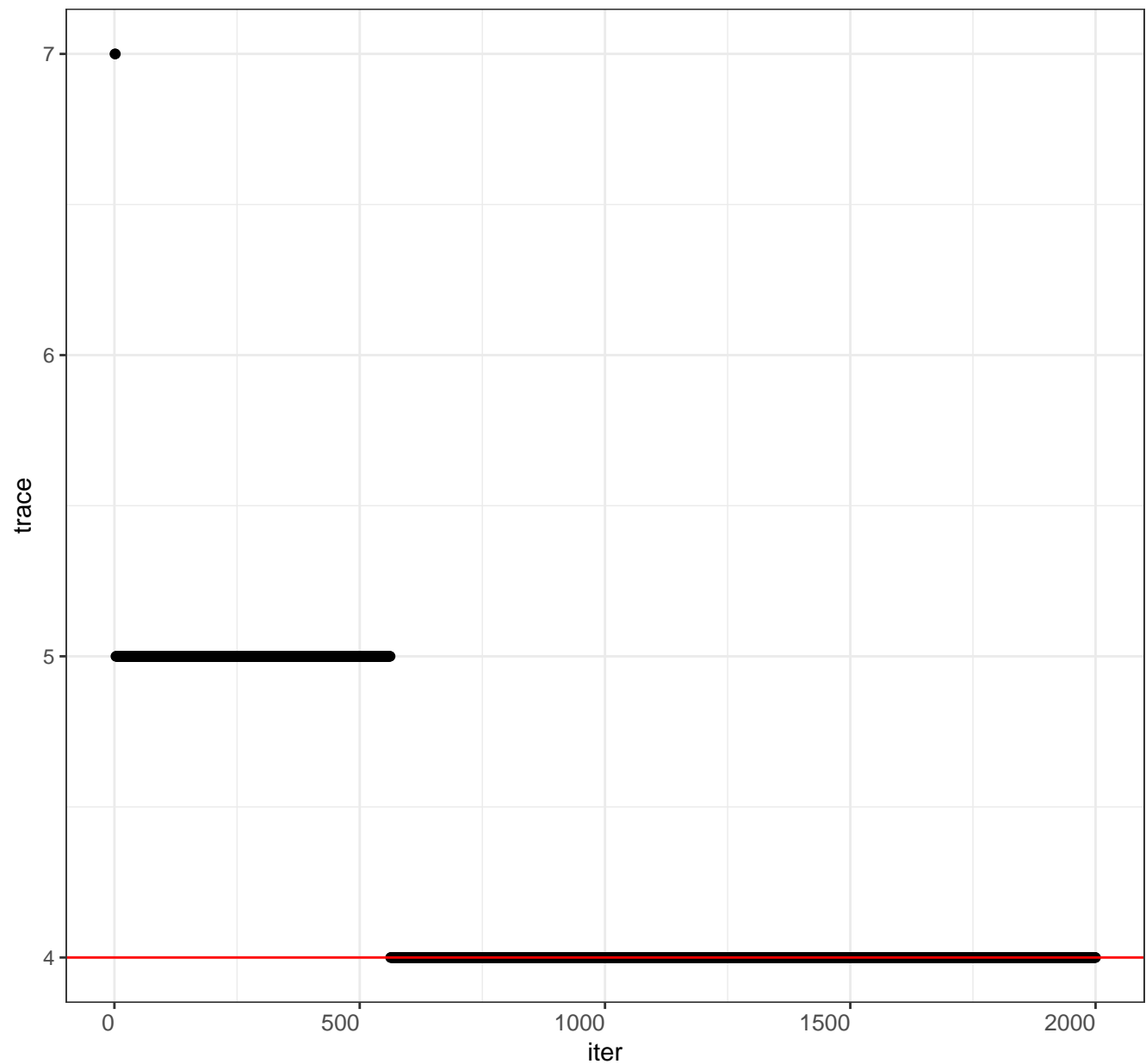
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters




Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

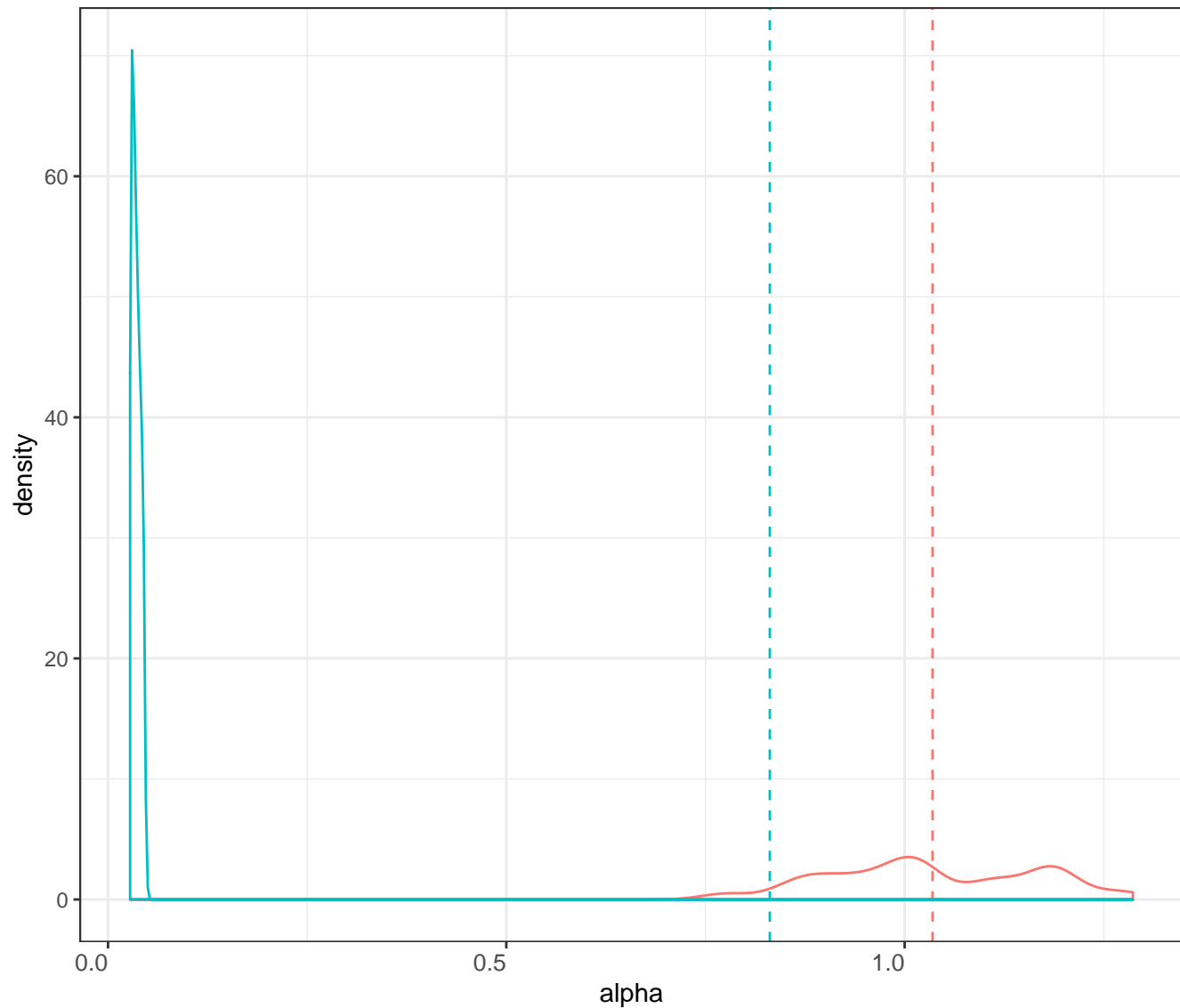
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

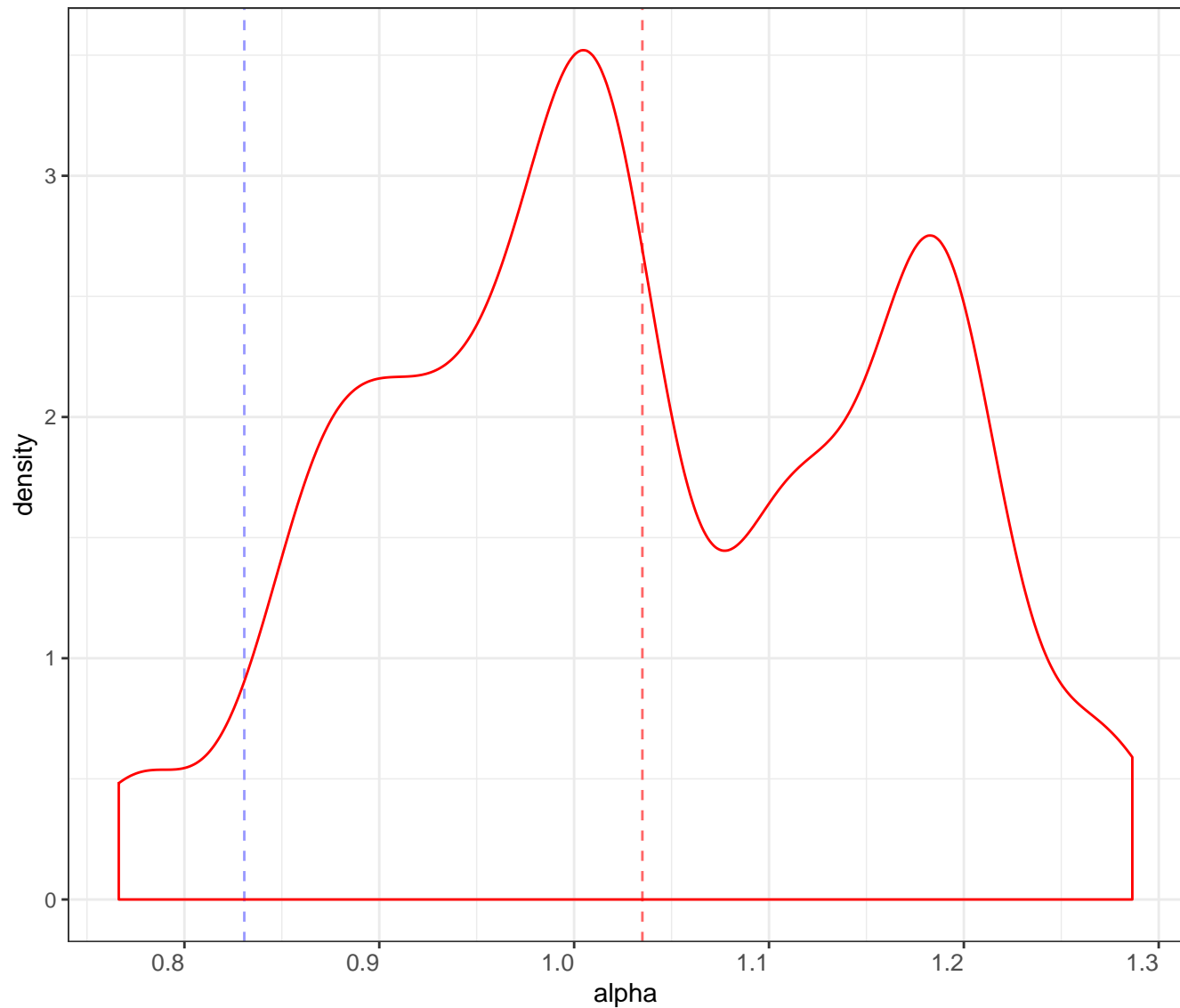
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

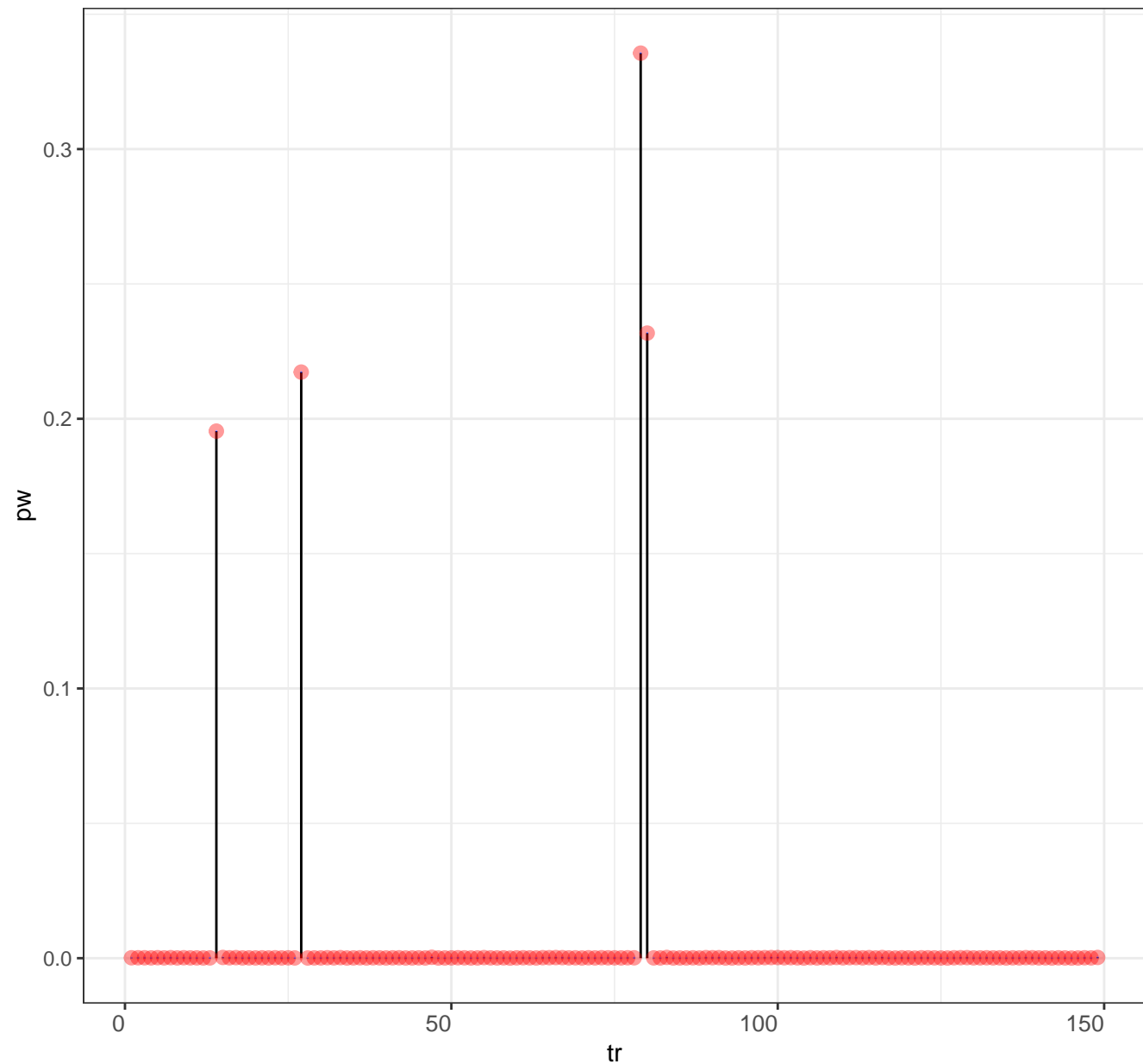
Posterior distribution for alpha

Legend posterior mean prior mean



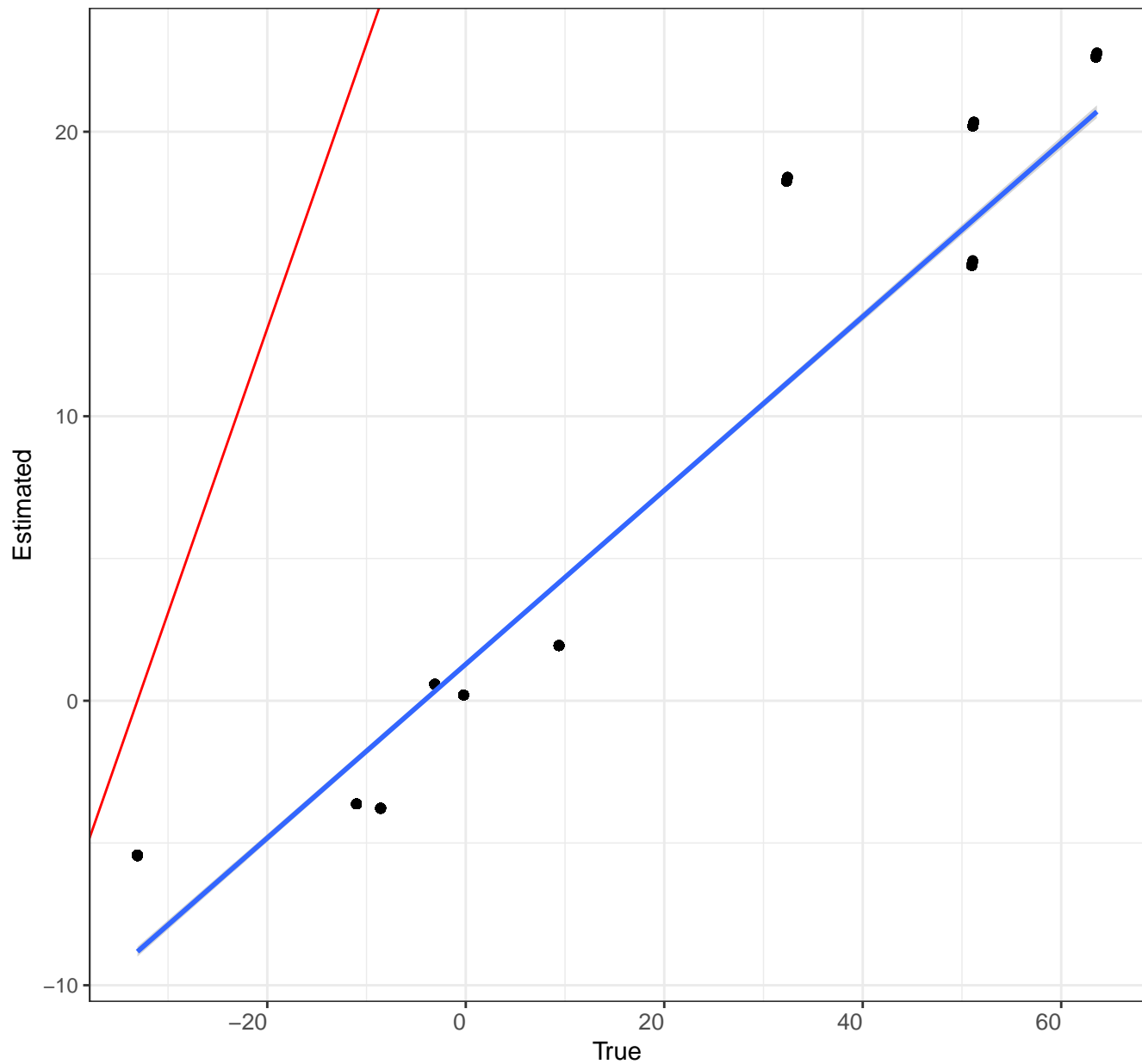
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



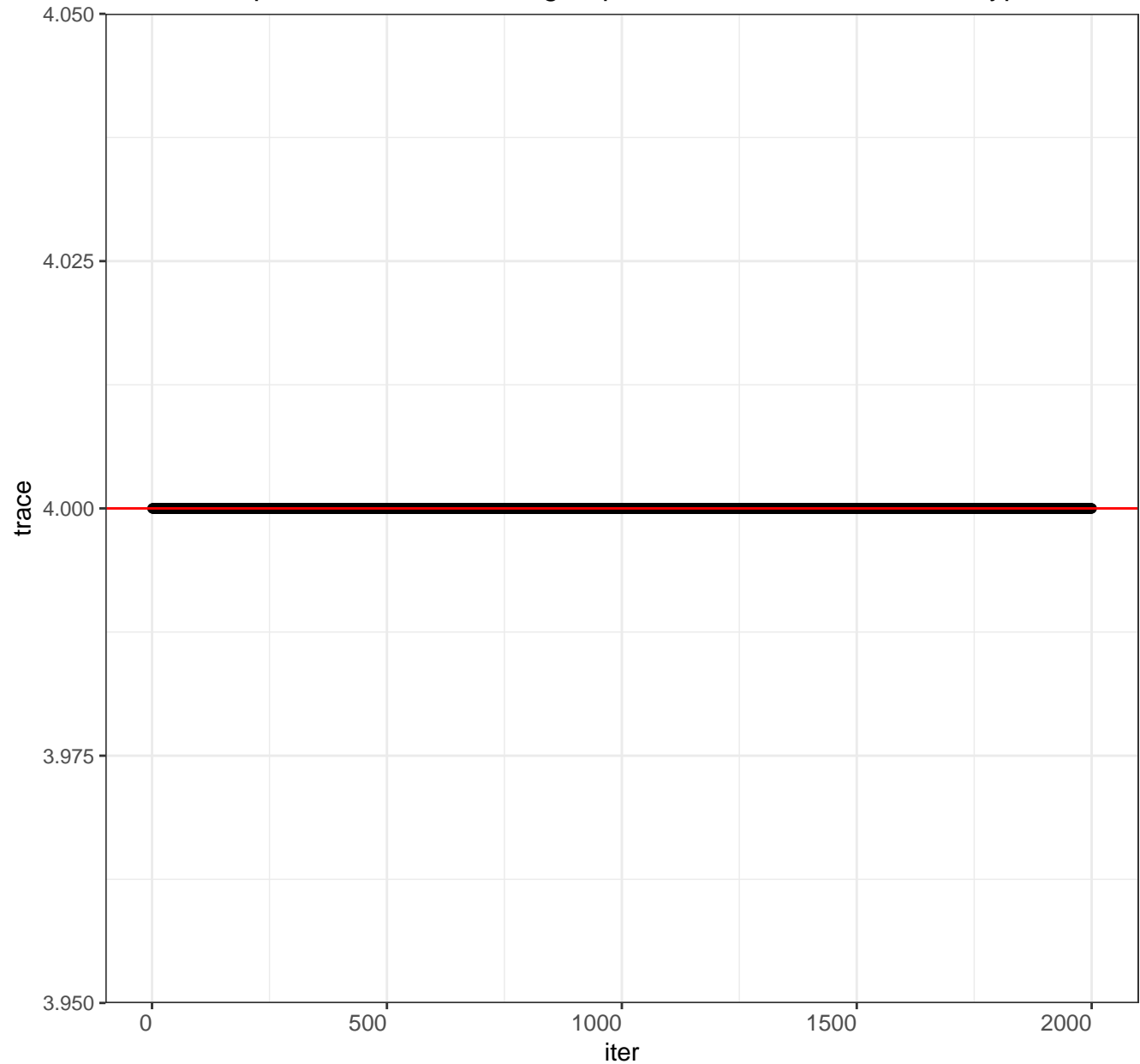
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

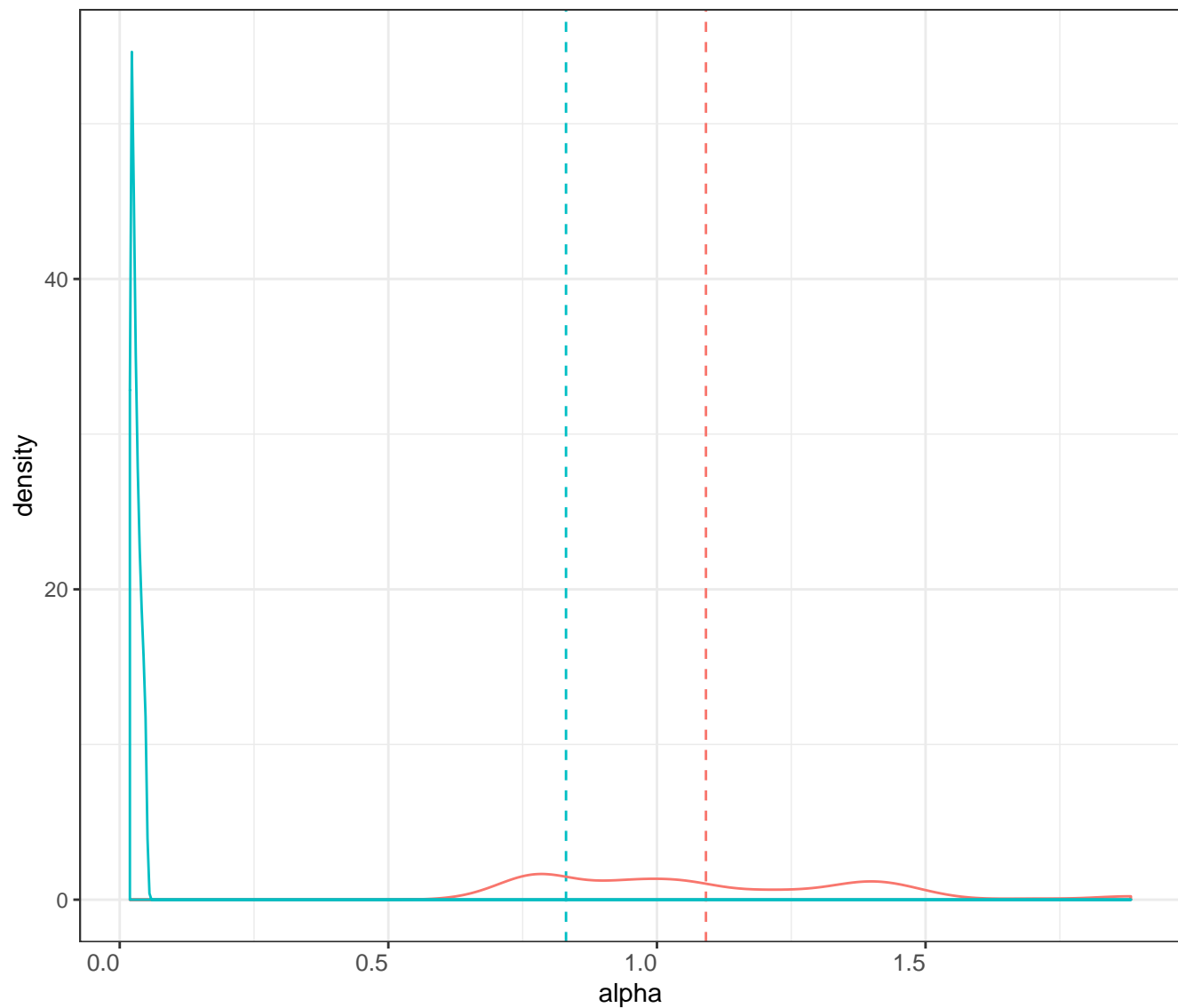
Trace plot for the number of groups K for S=50 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=50 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

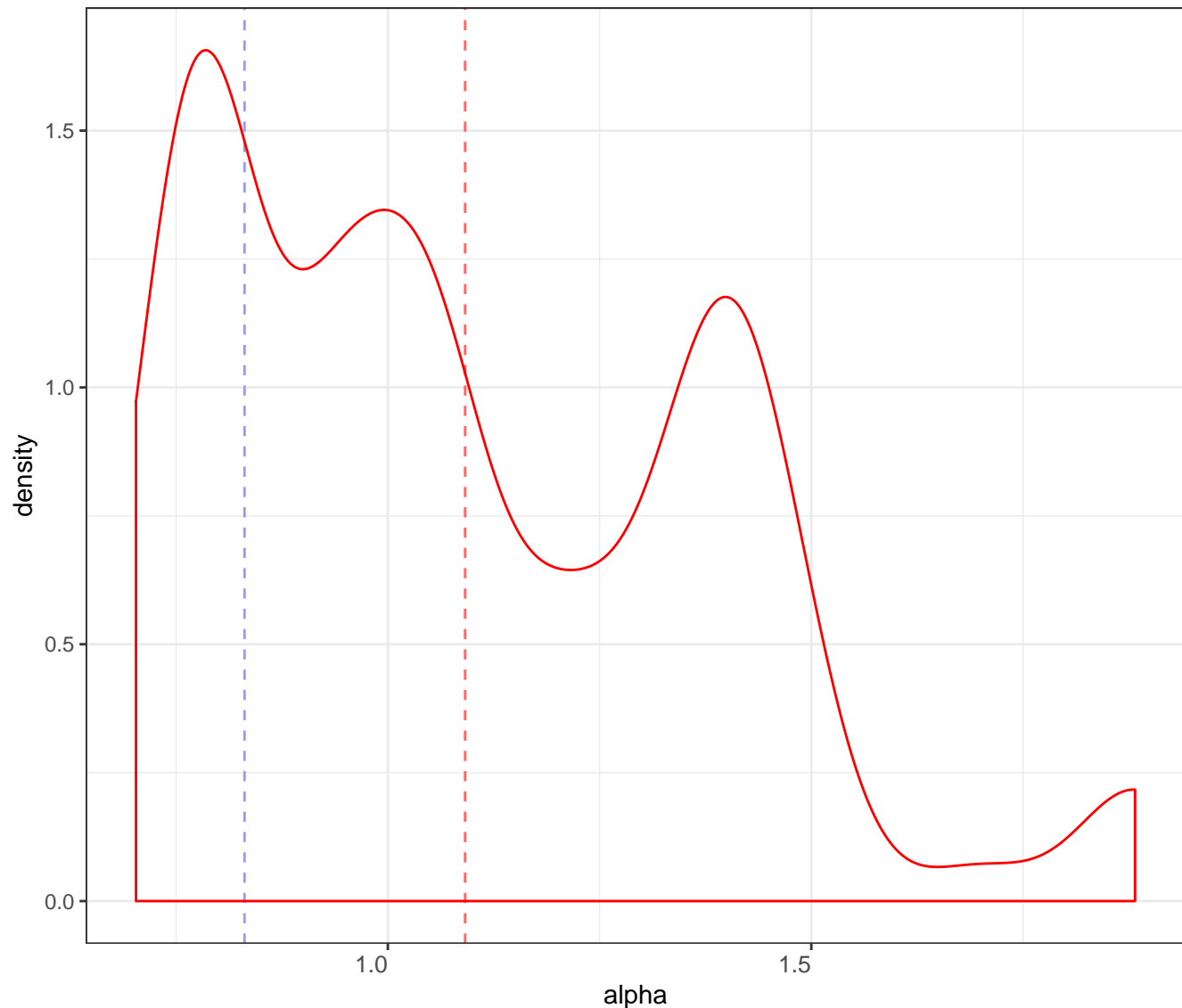
Legend



posterior mean

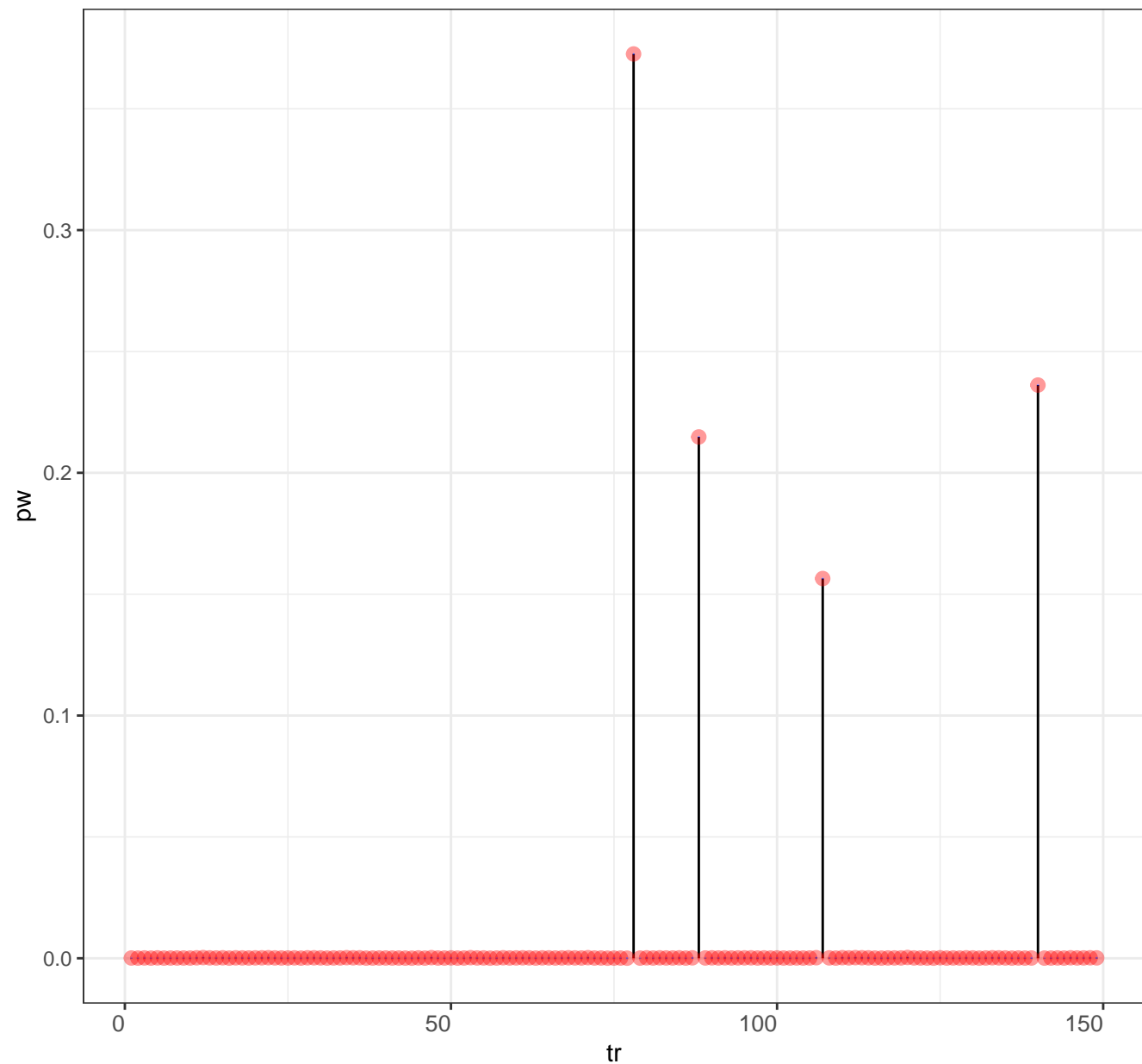


prior mean



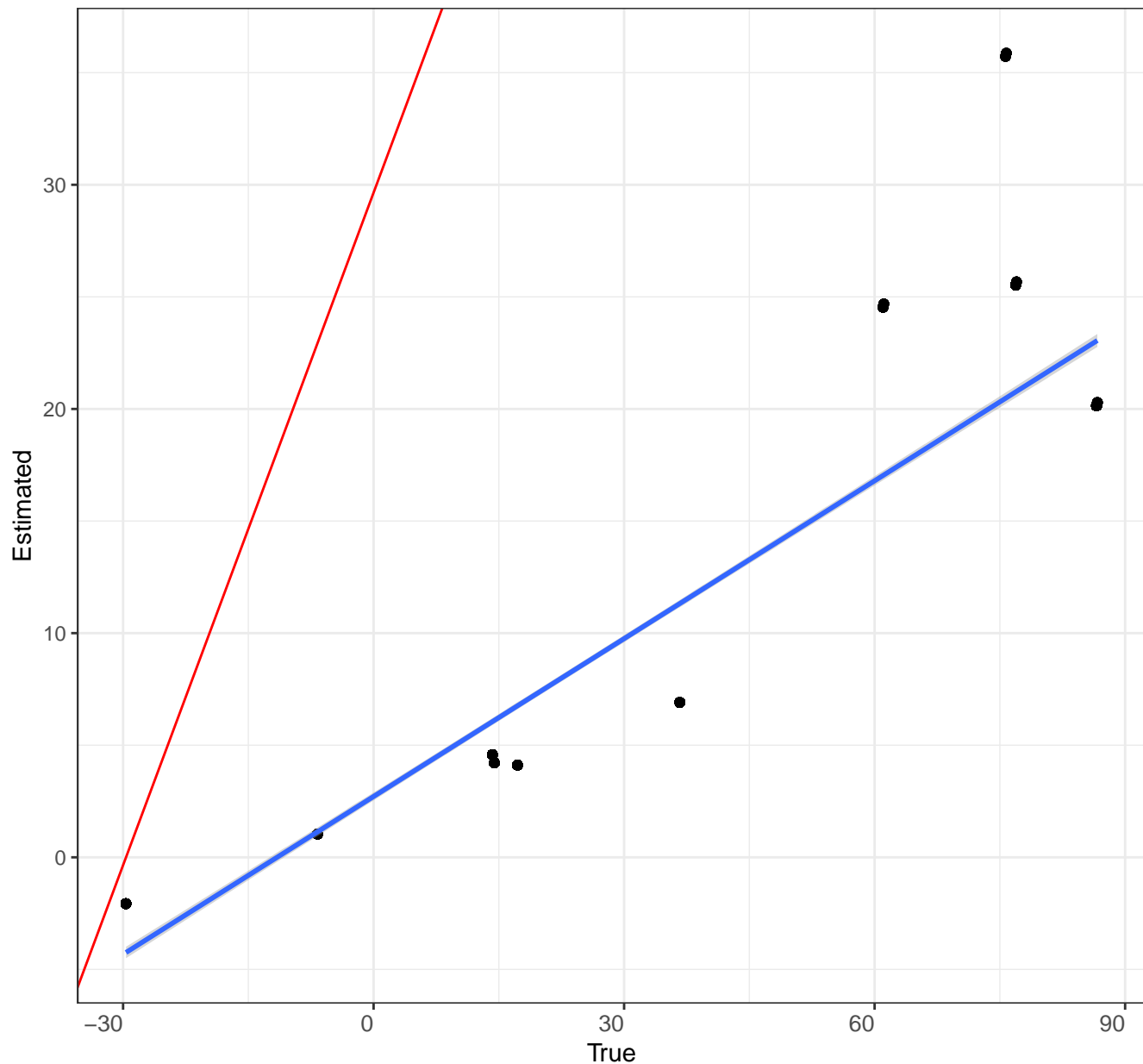
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=50 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=50$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



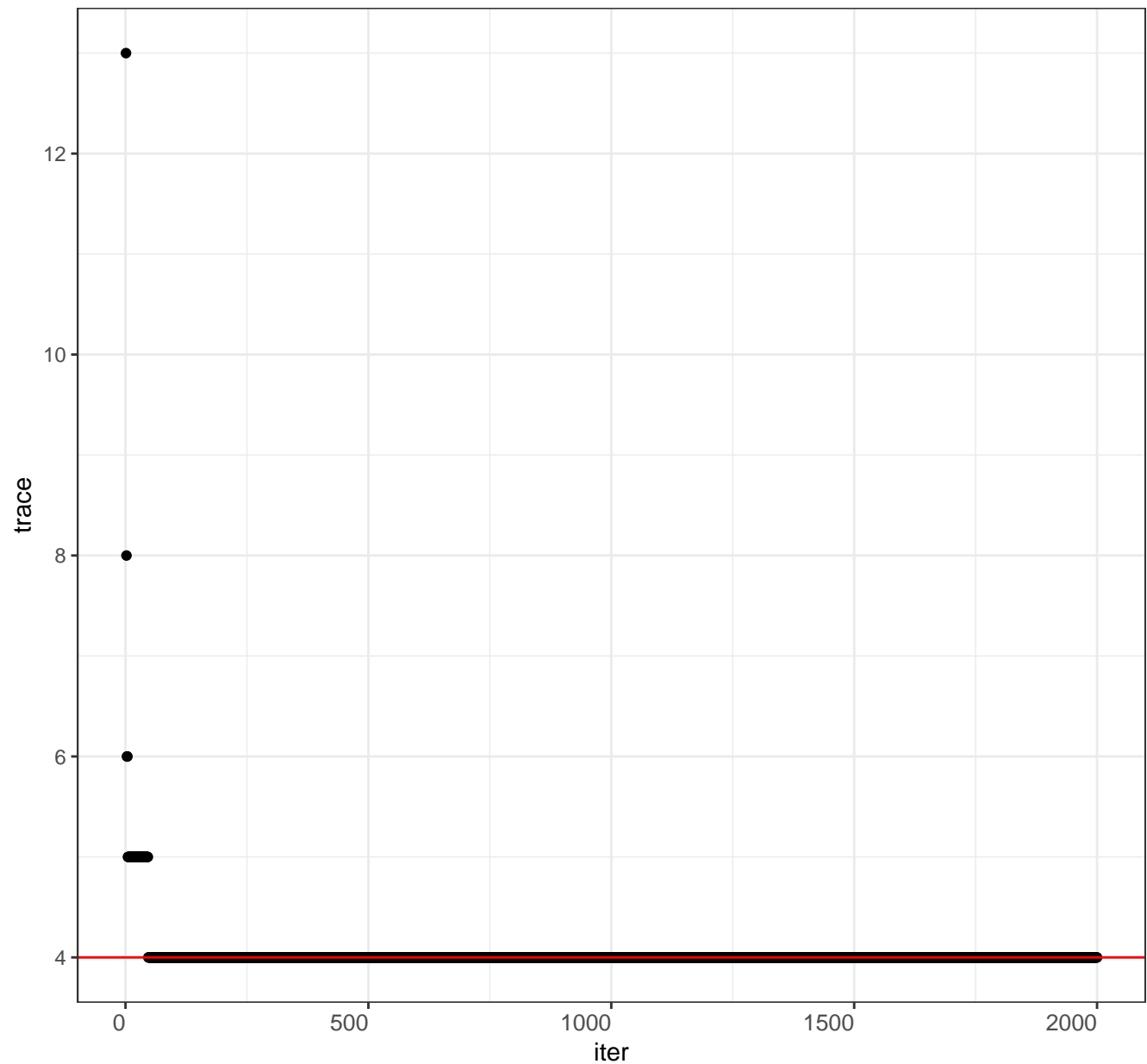
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=50 r=20 true K=4 type=2

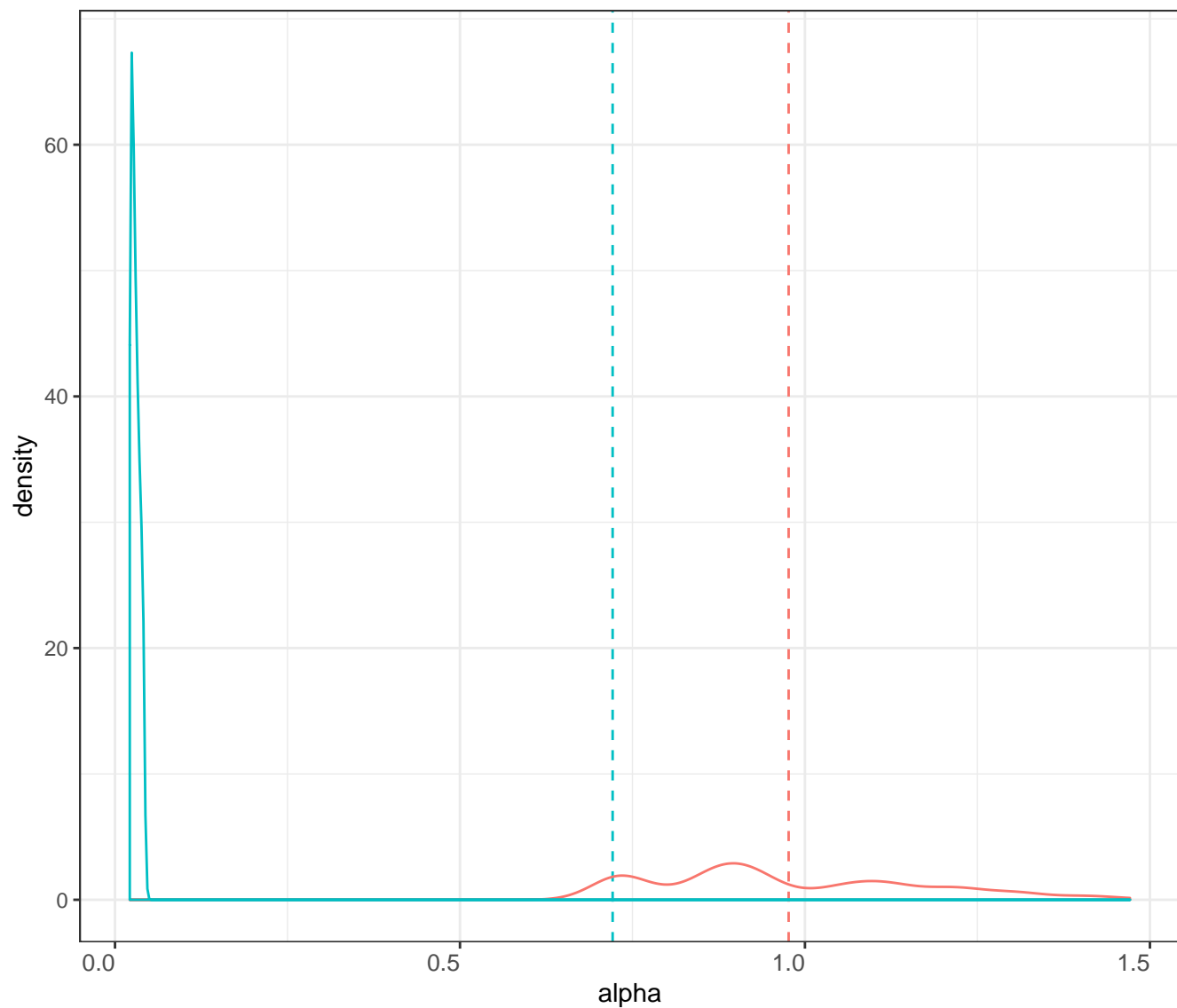
Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

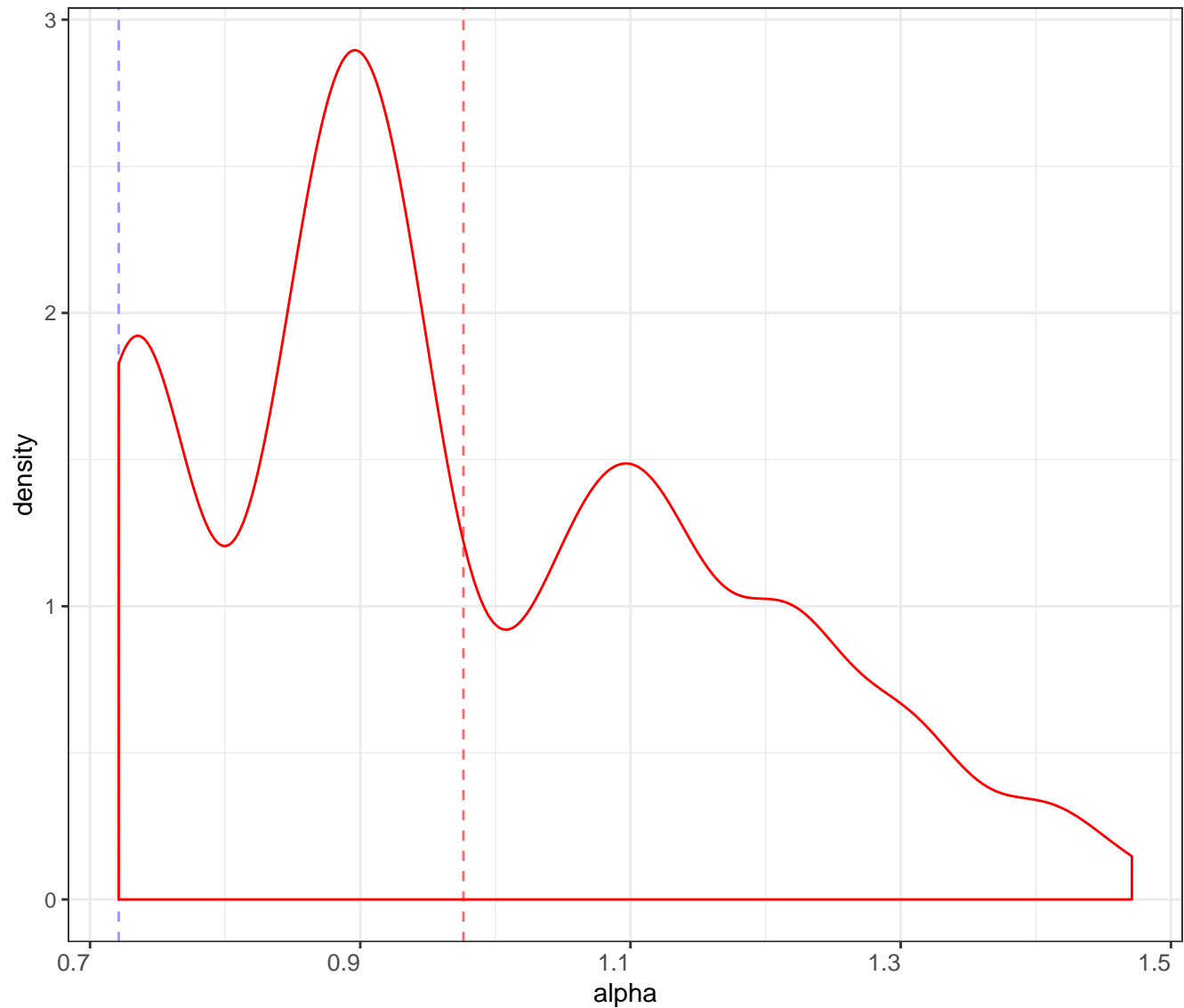
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

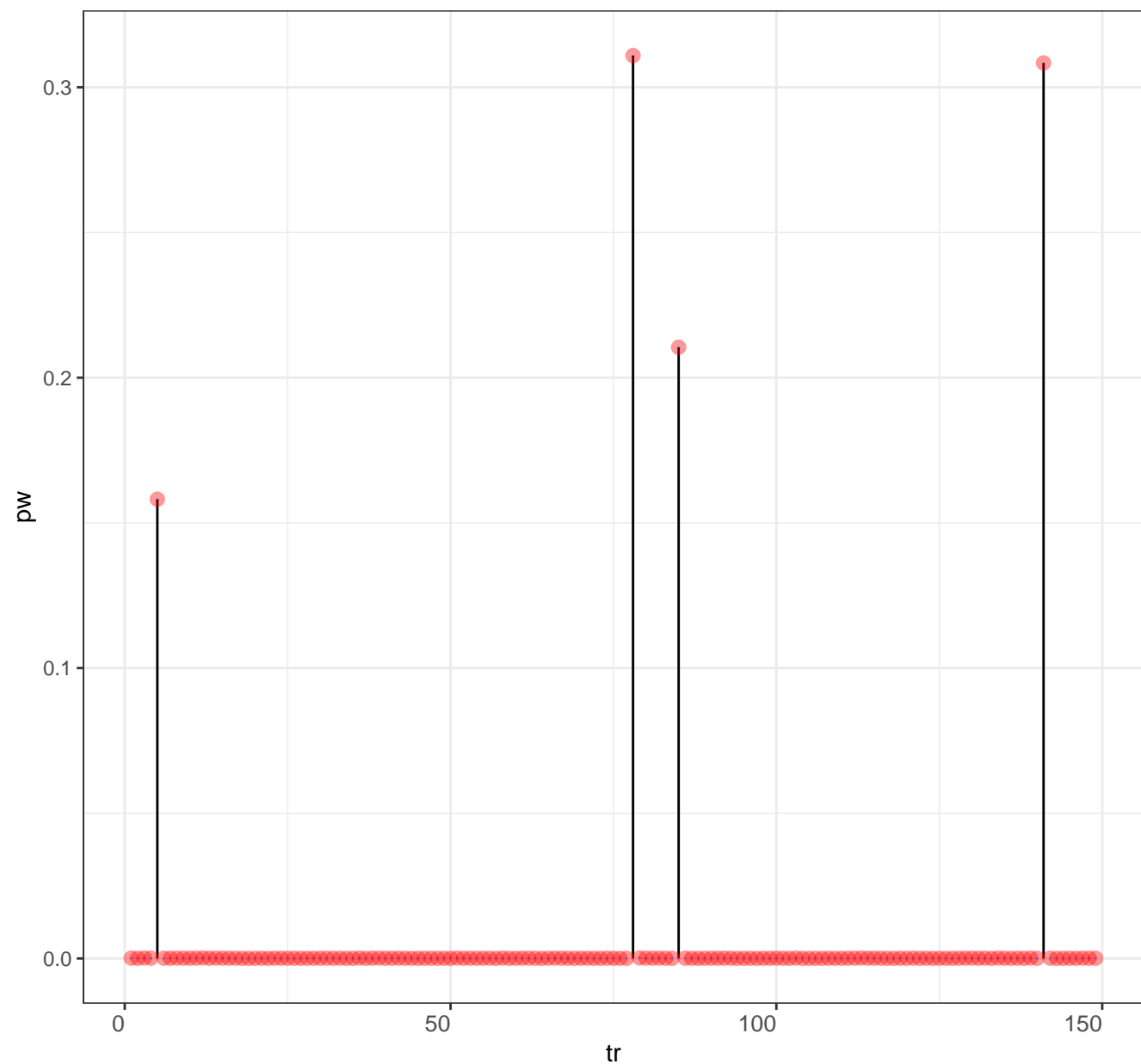
Posterior distribution for alpha

Legend posterior mean prior mean



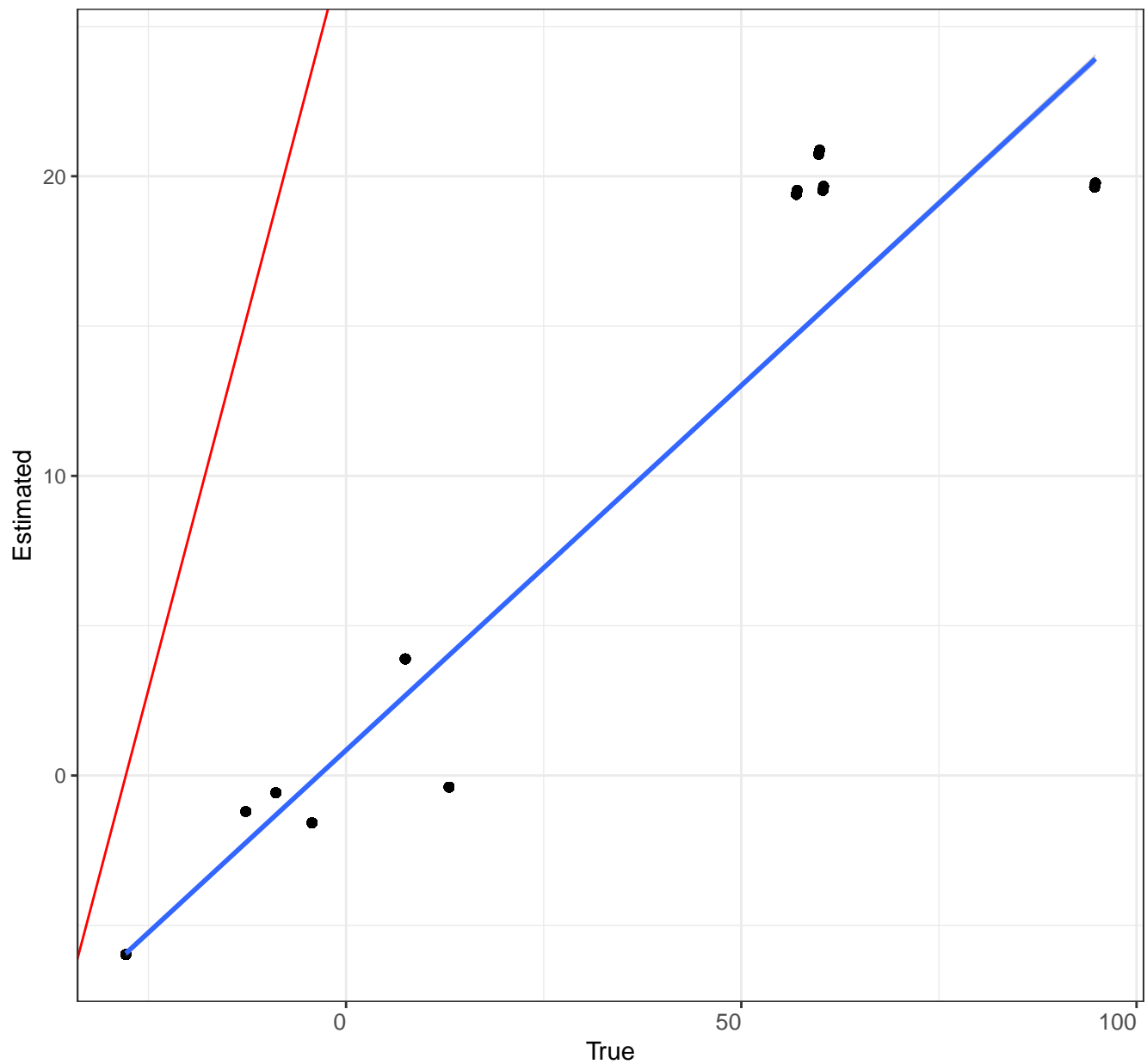
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



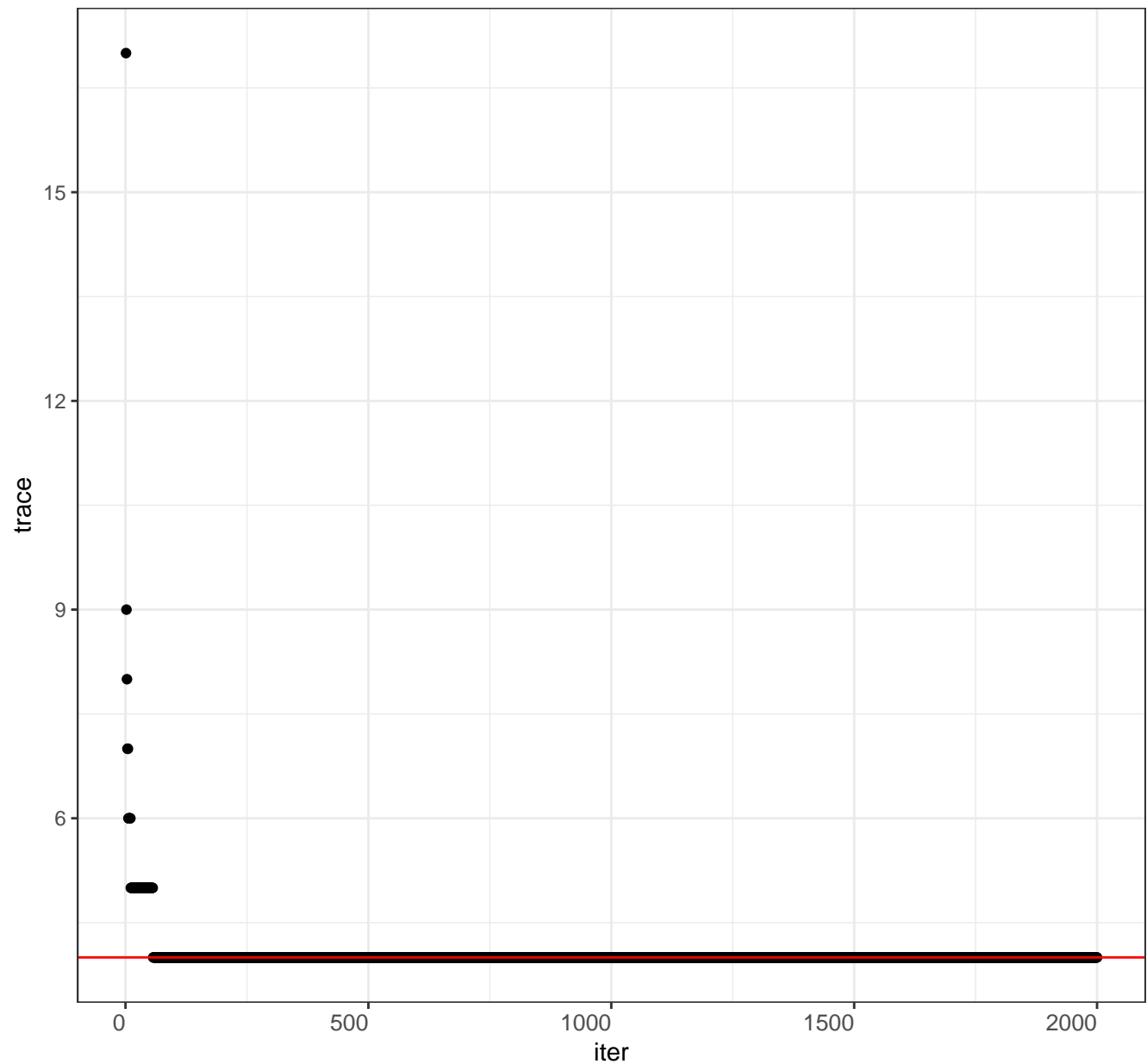
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

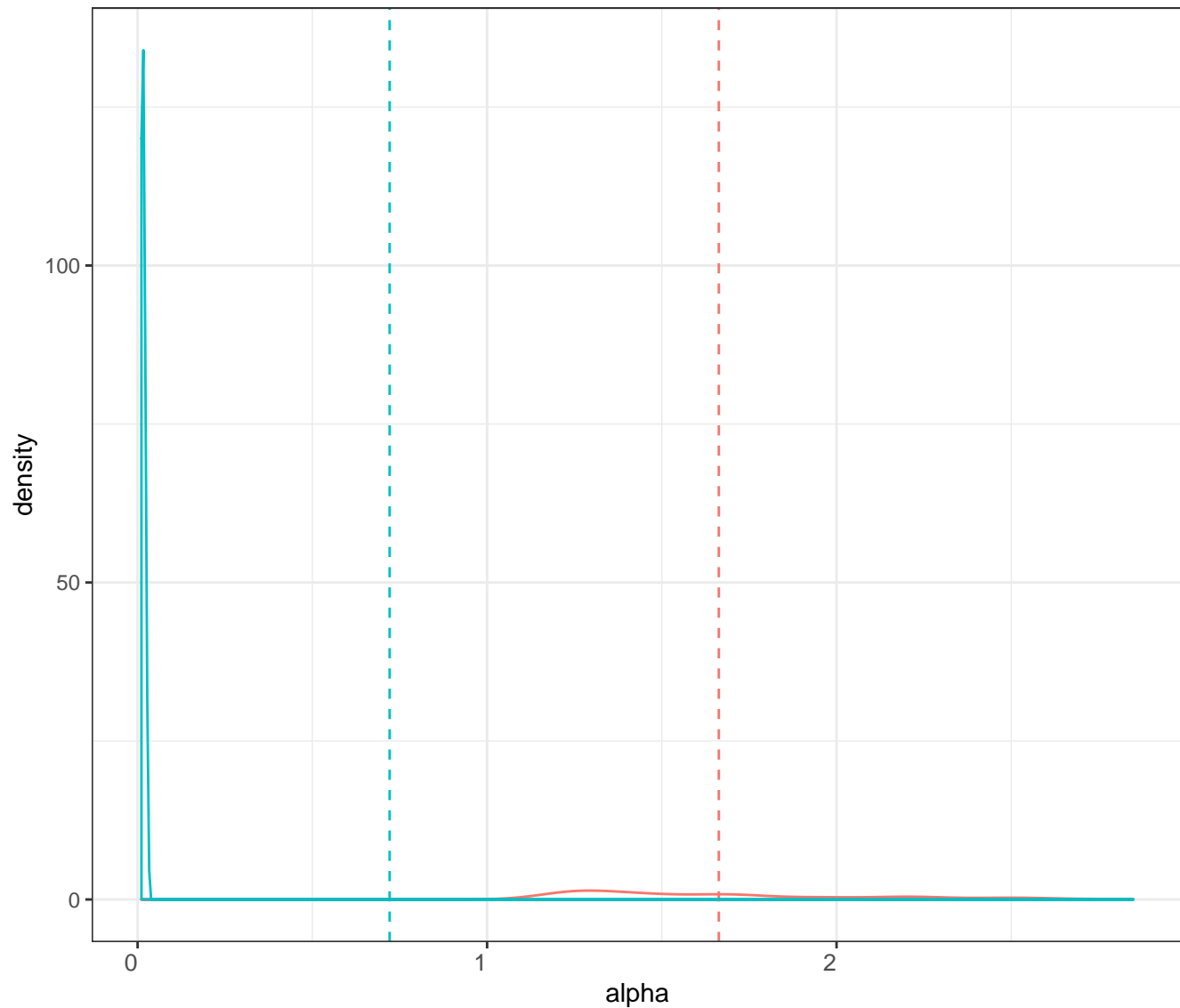
Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

type - - posterior - - prior



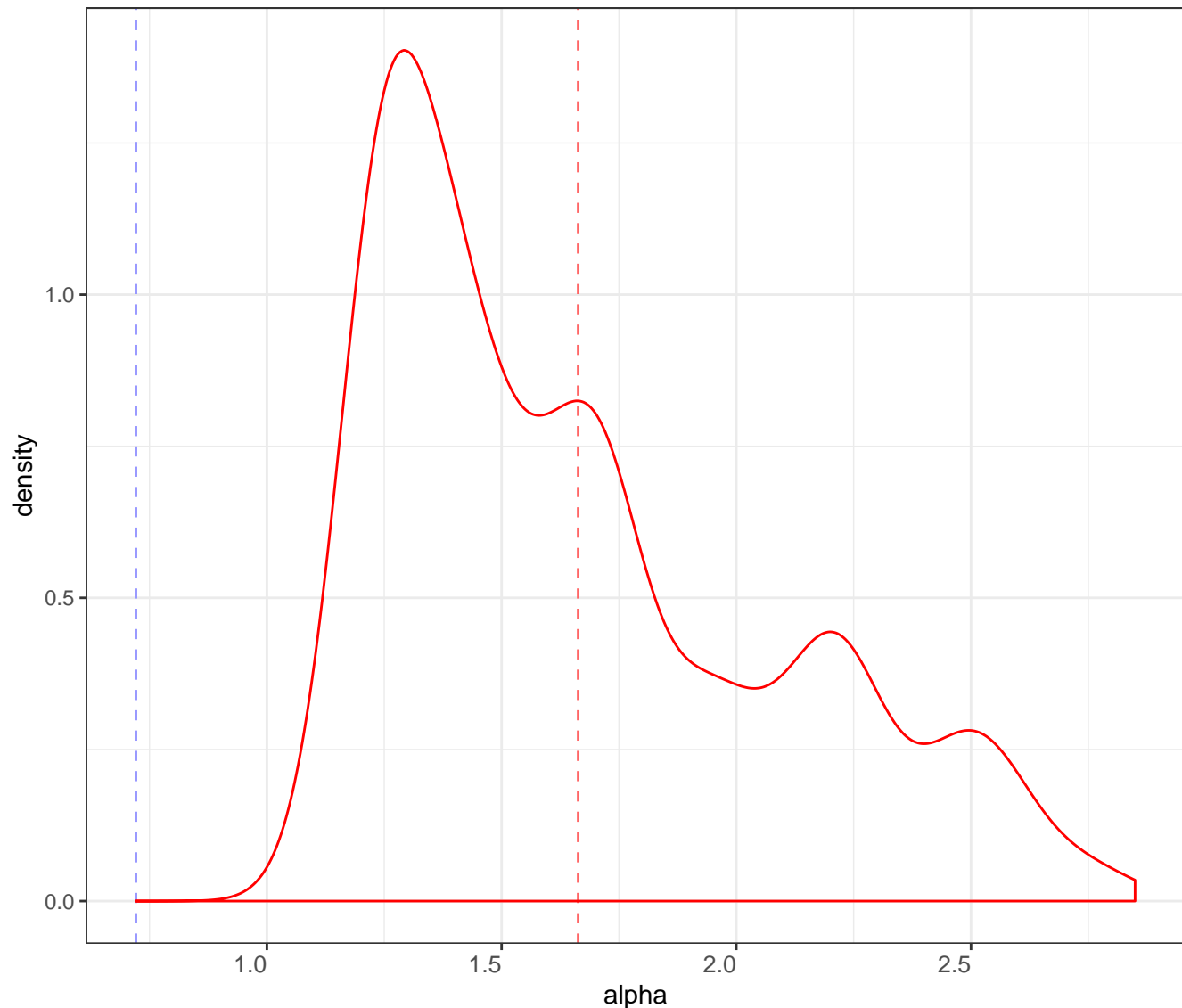
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

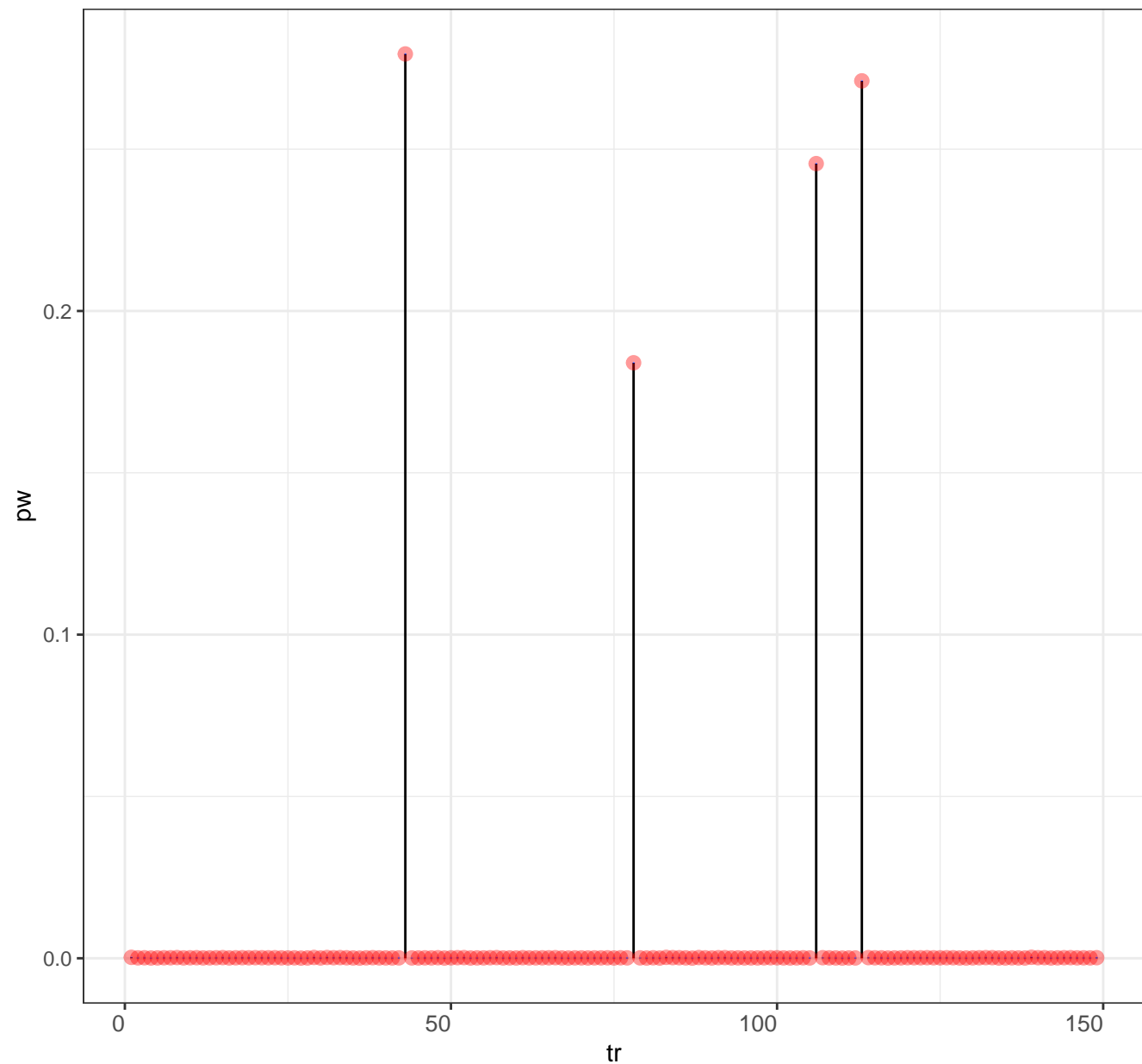
posterior mean

prior mean



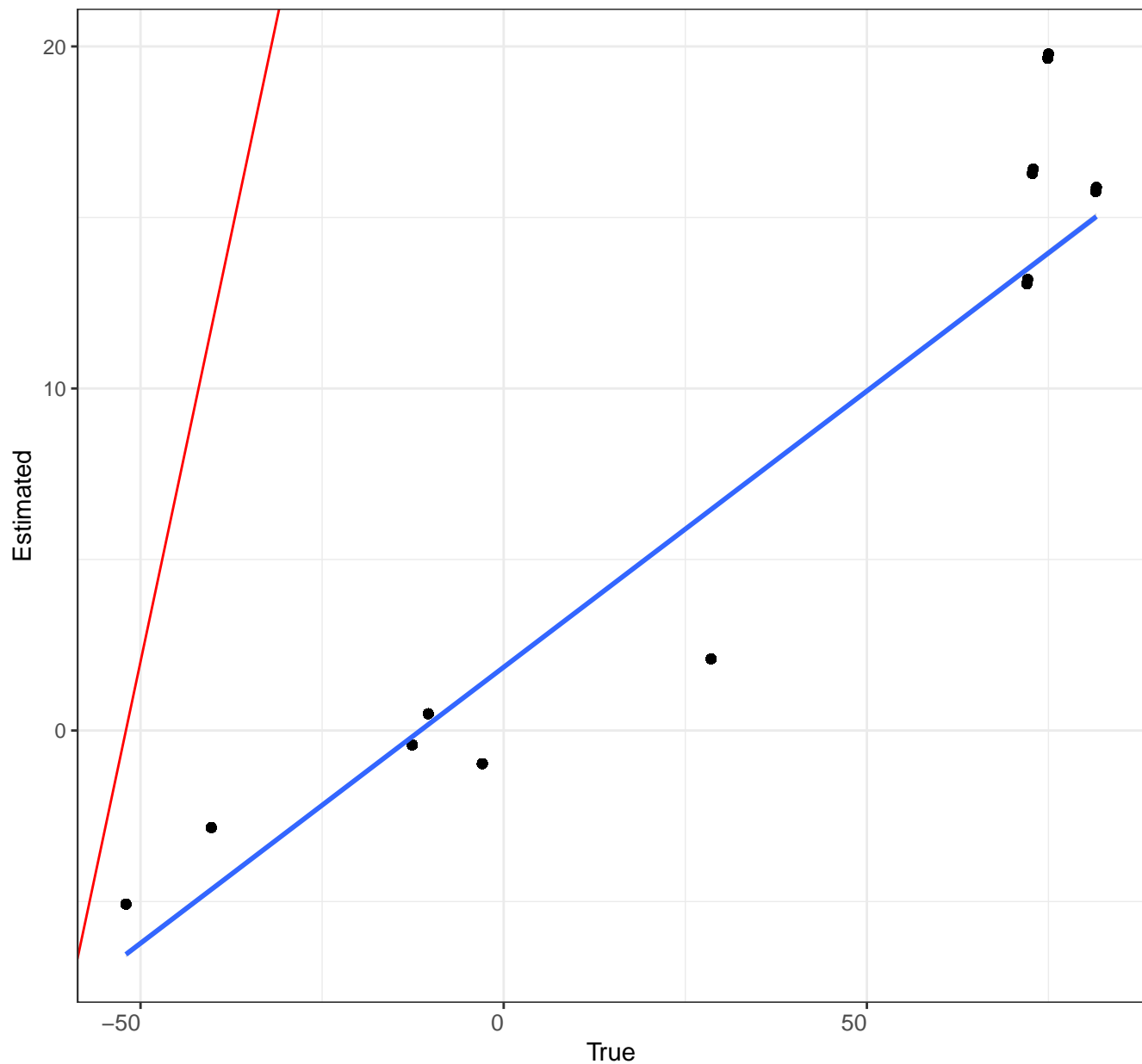
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



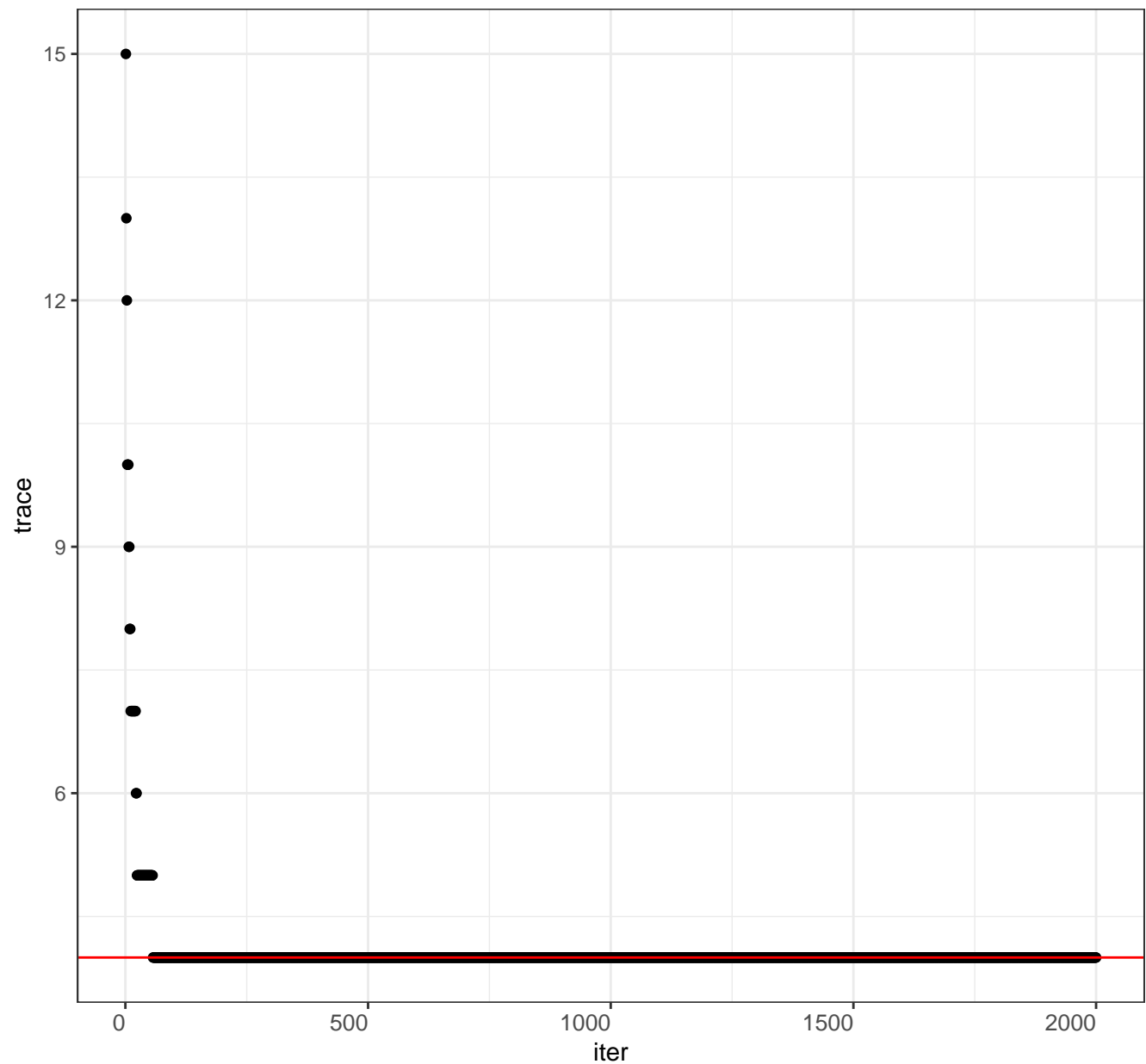
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

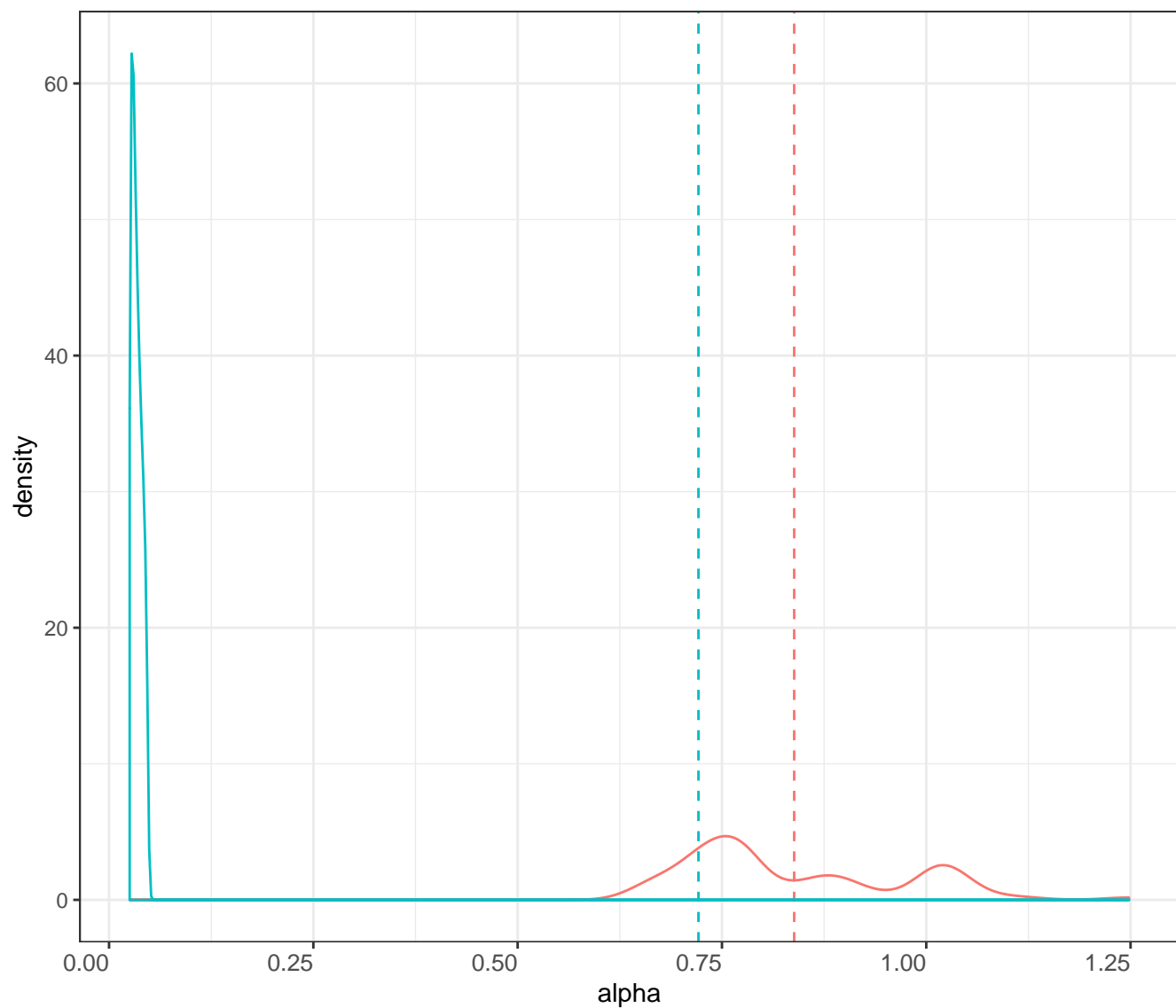
Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

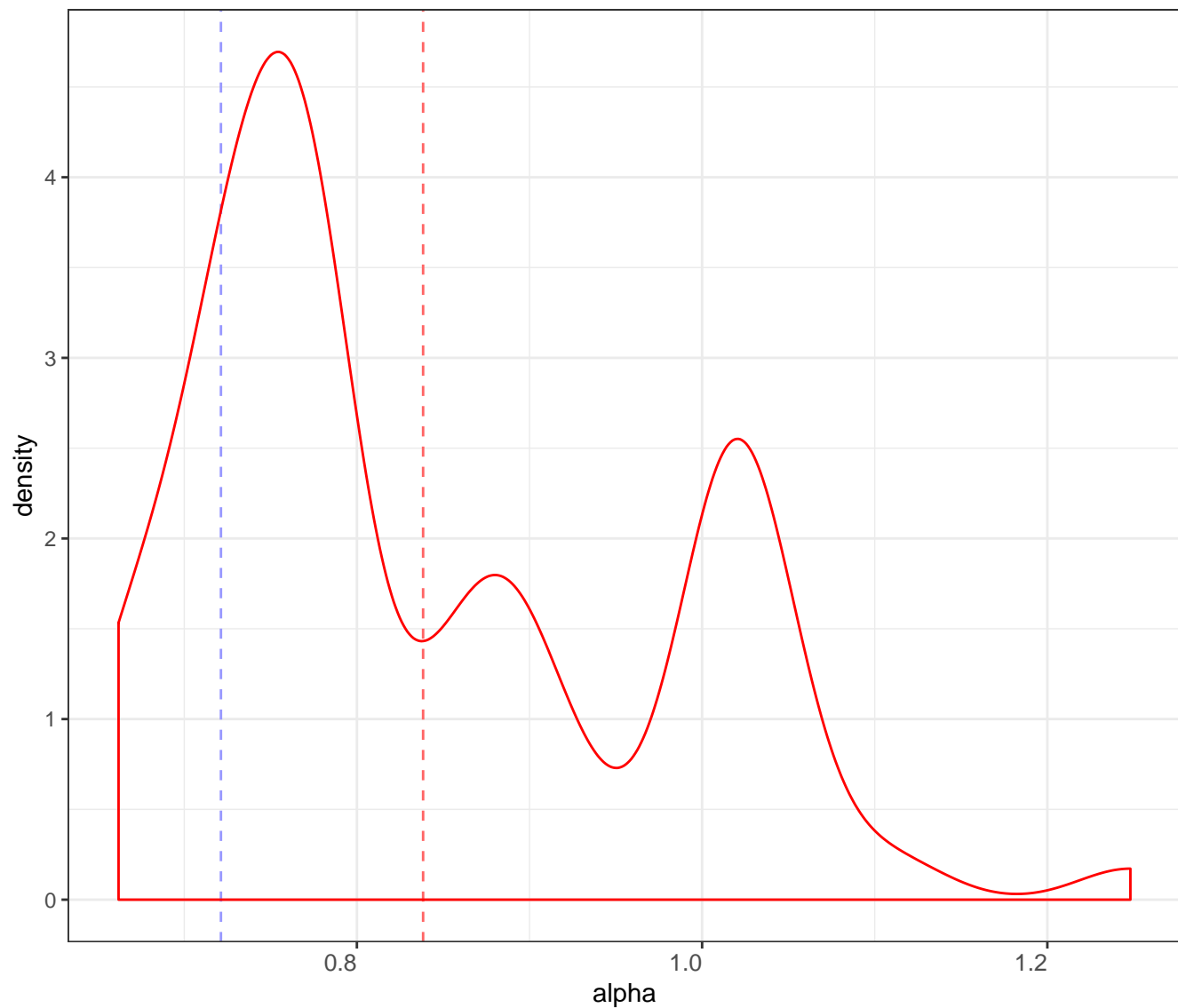
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

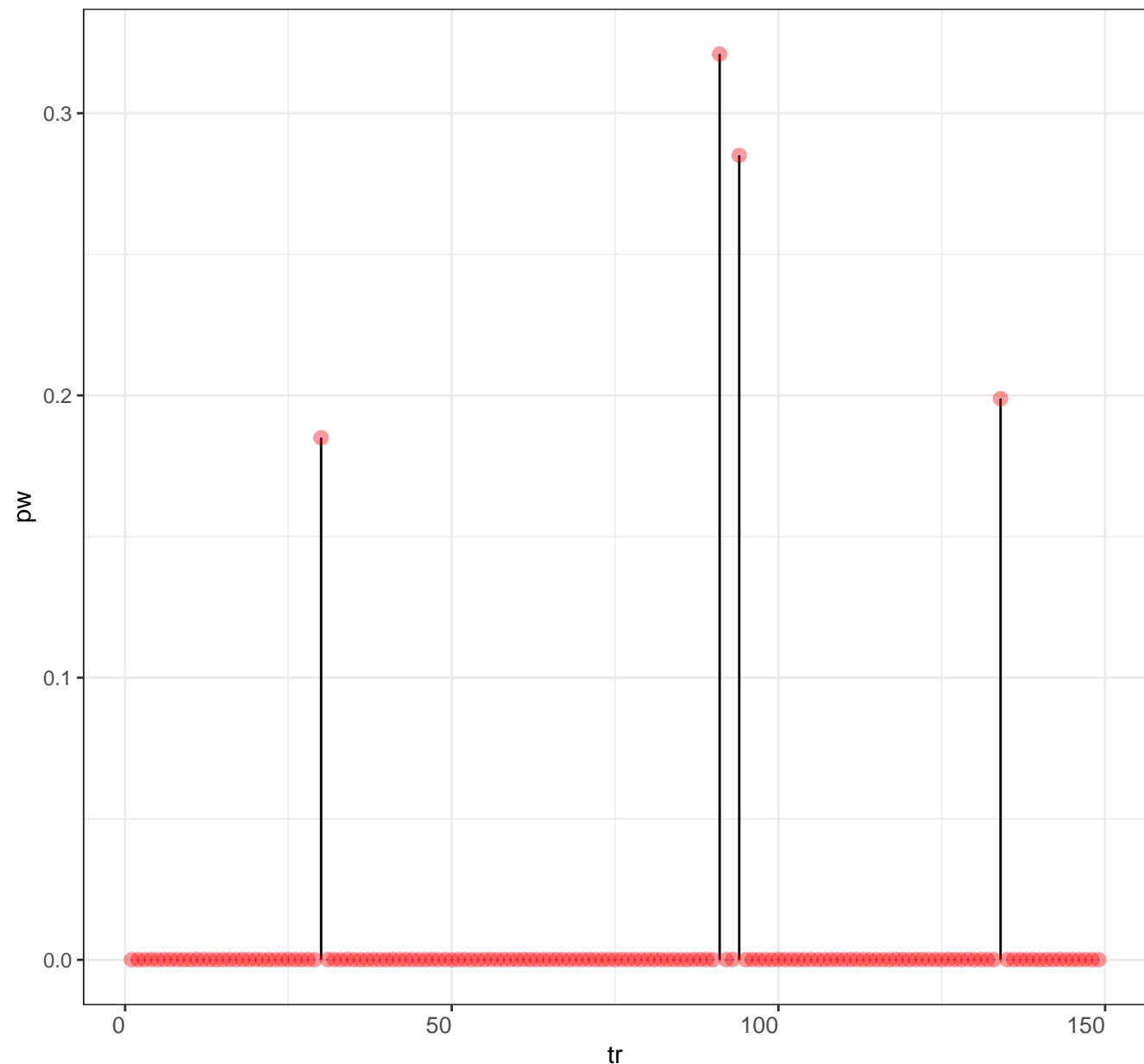
Posterior distribution for alpha

Legend posterior mean prior mean



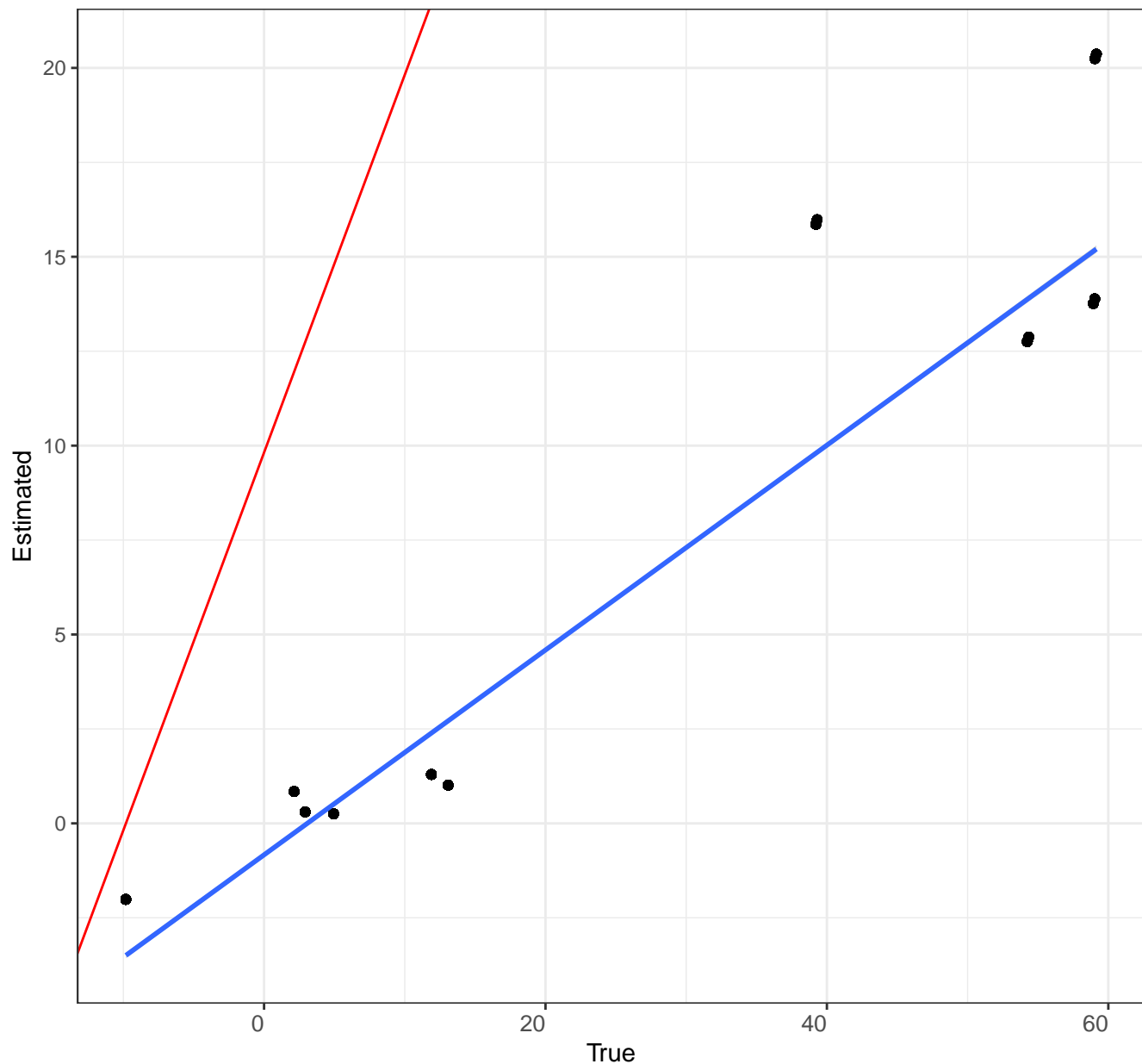
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



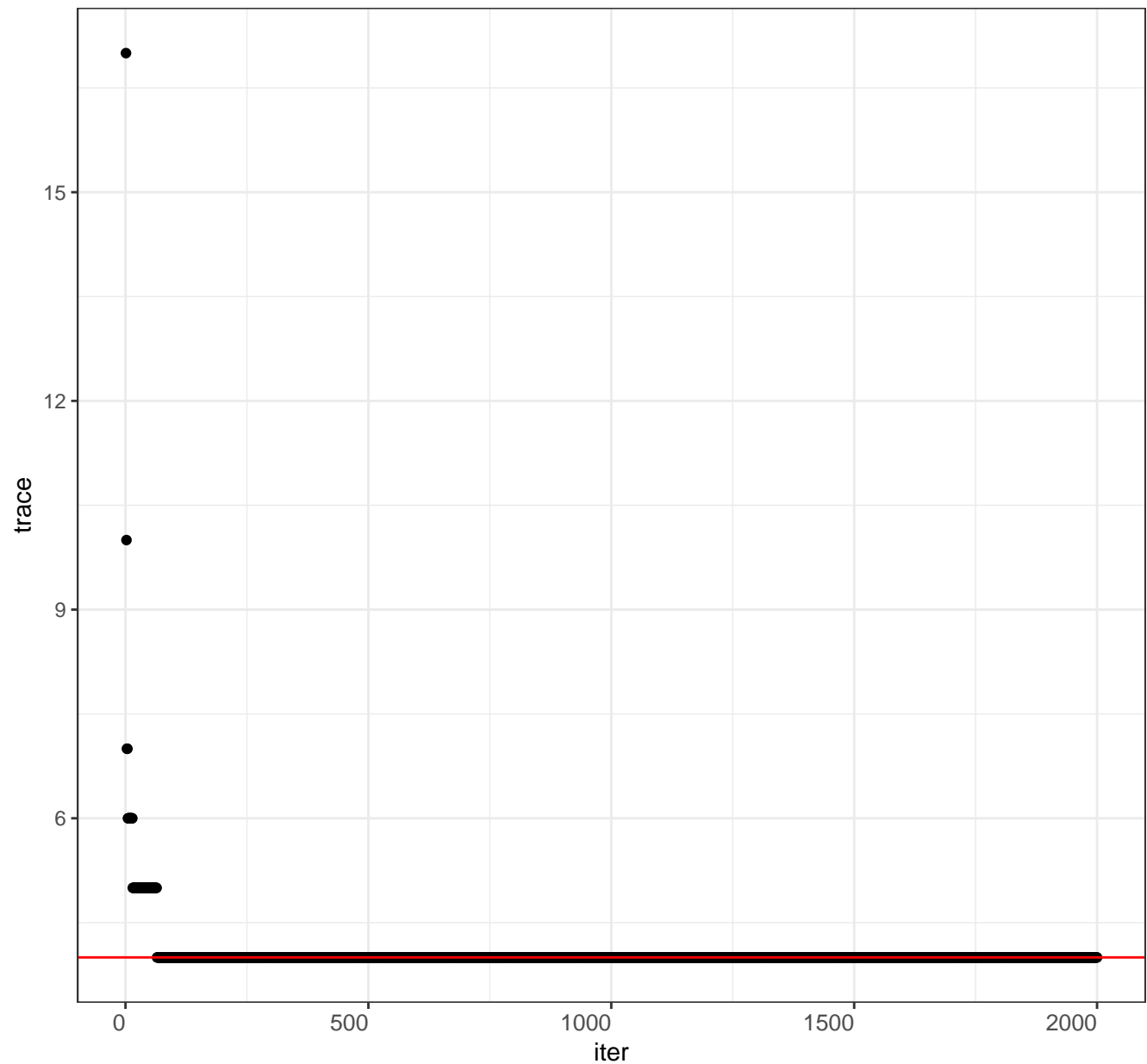
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

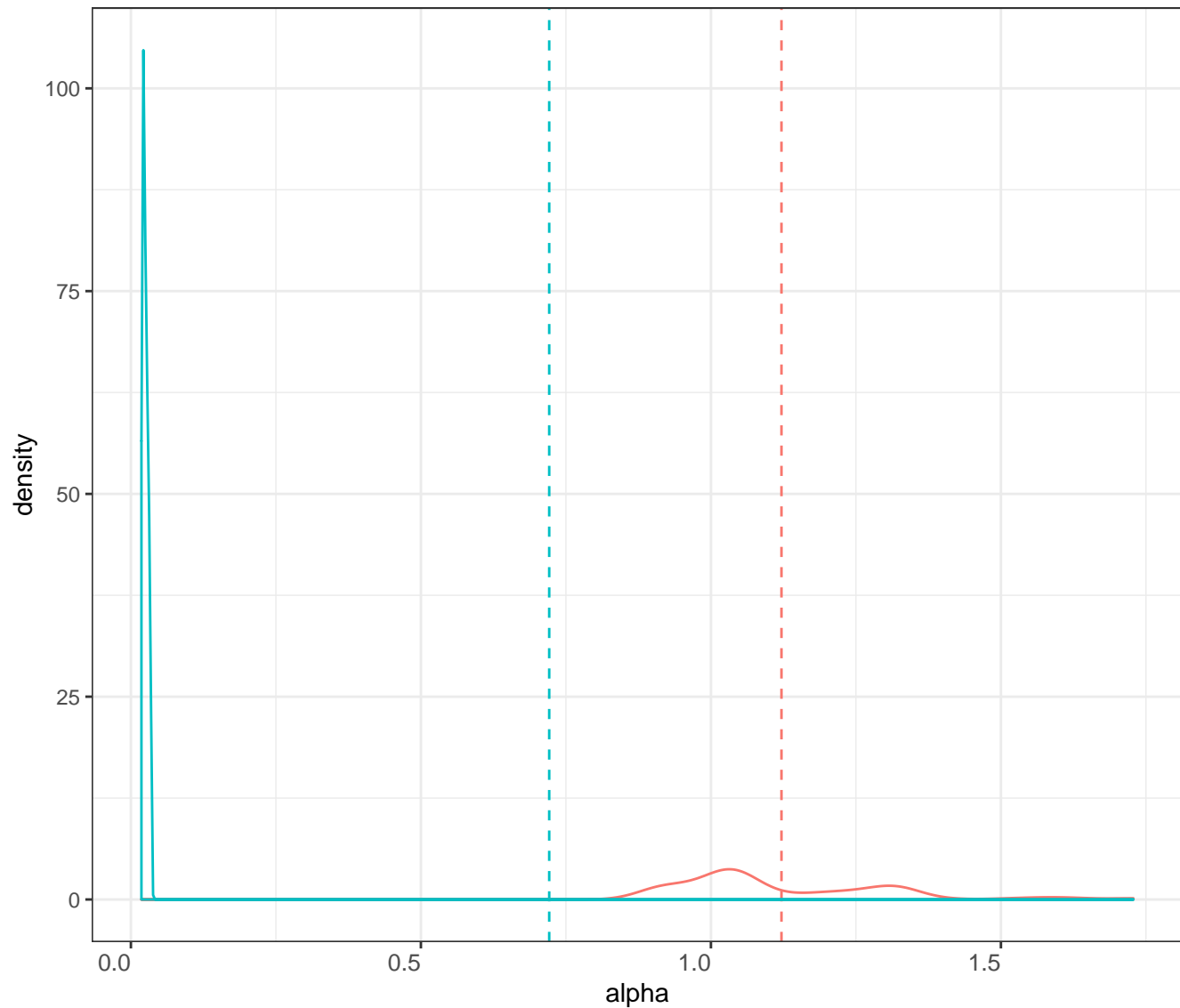
Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

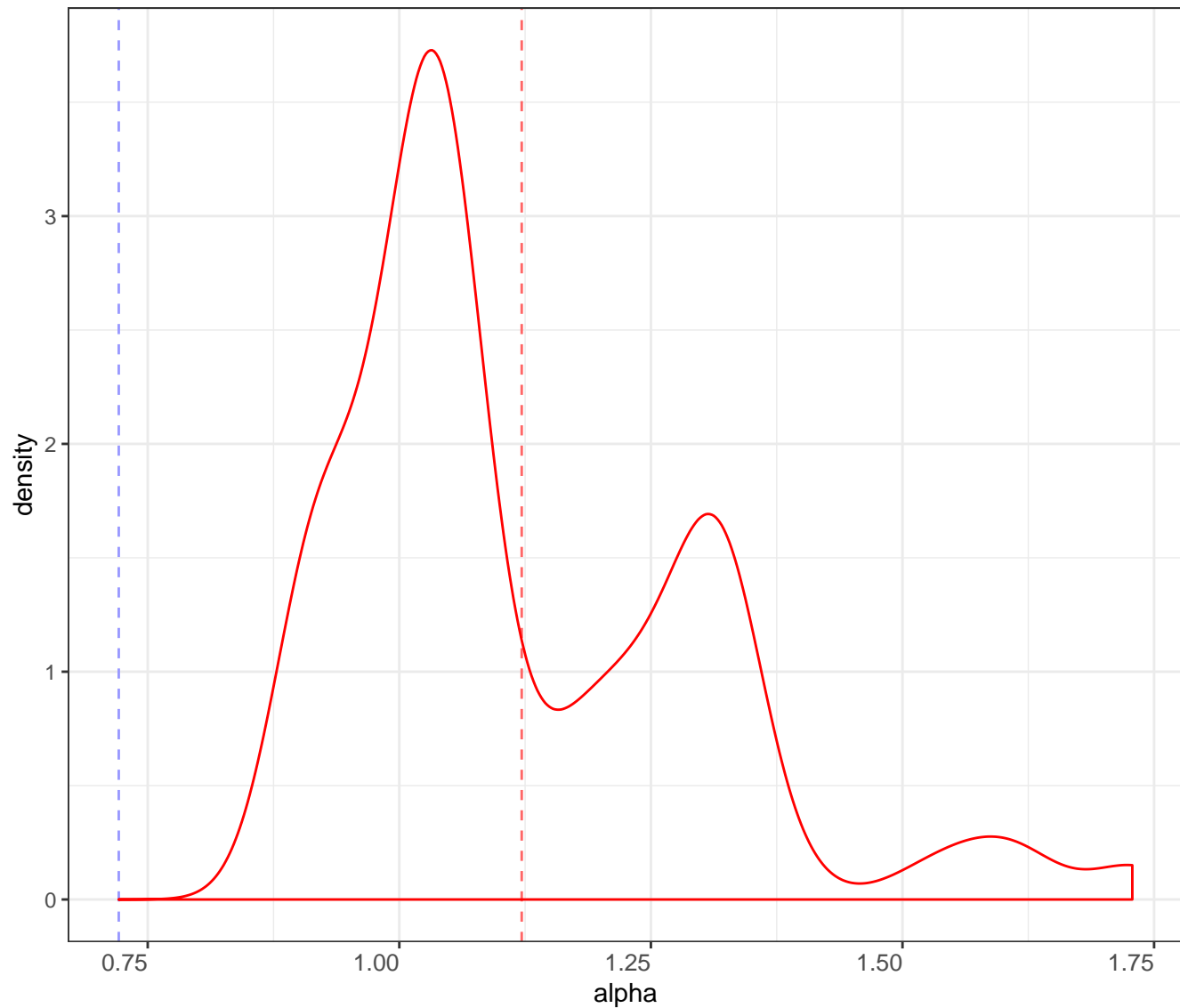
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

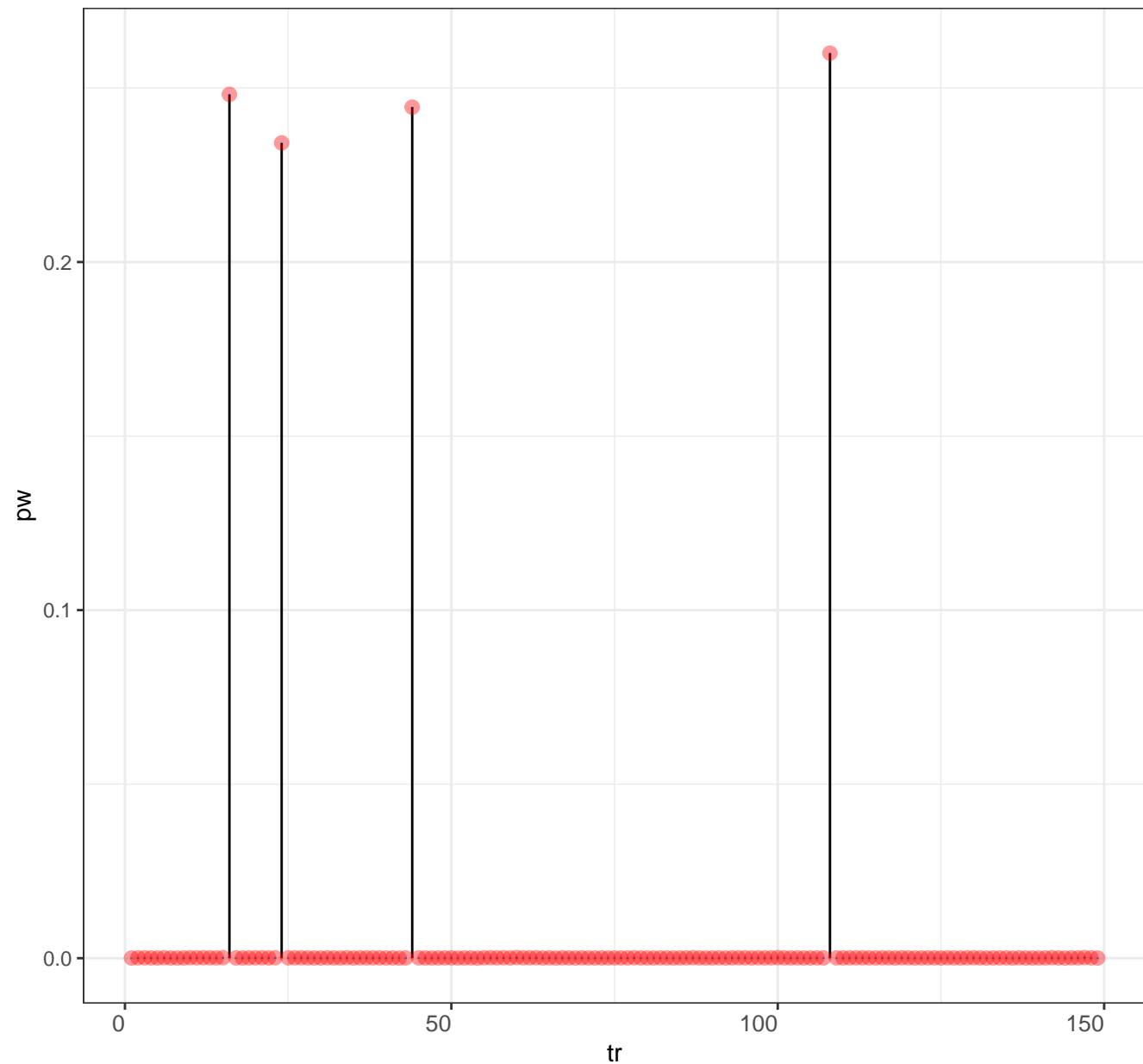
Posterior distribution for alpha

Legend posterior mean prior mean



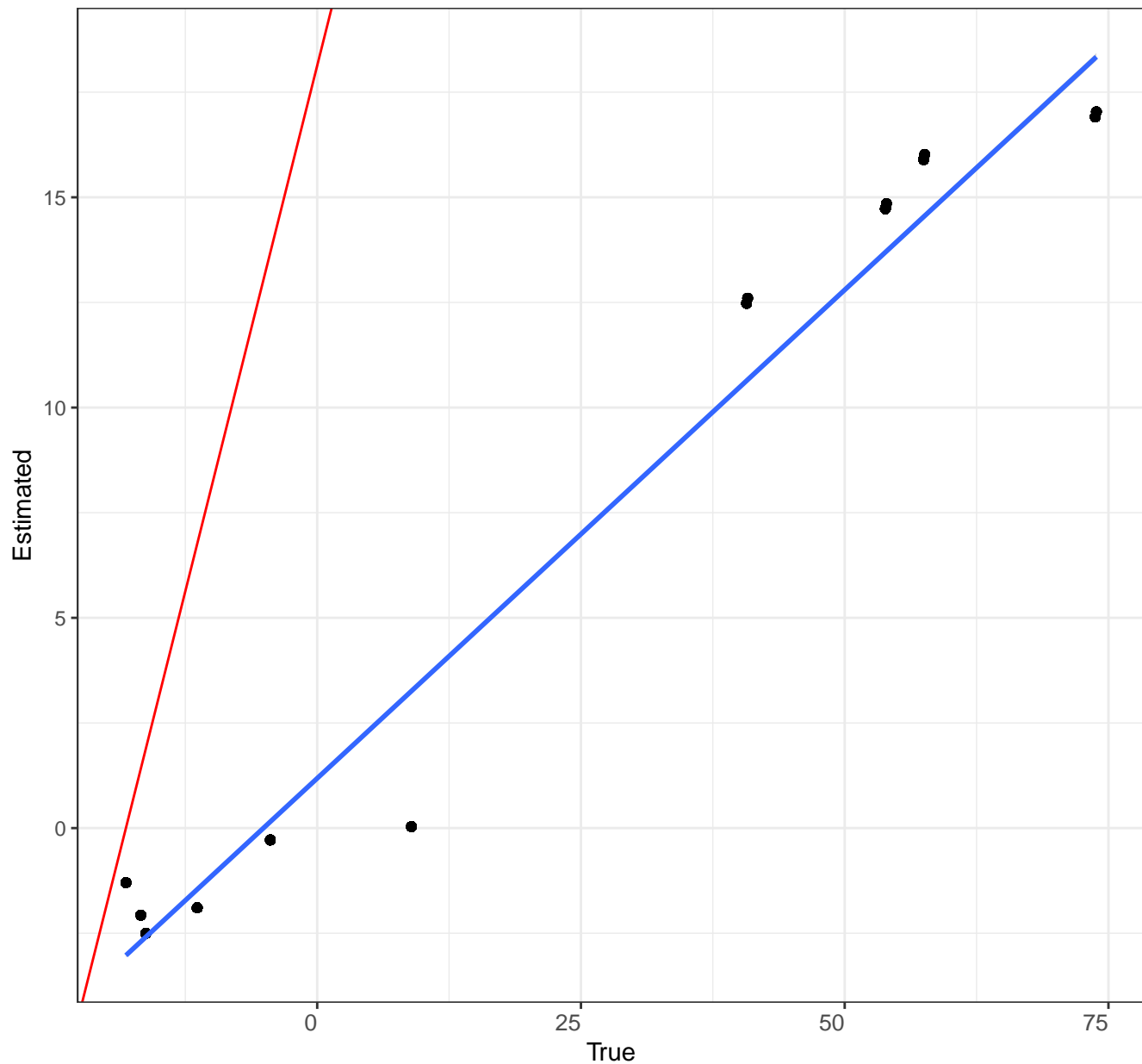
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



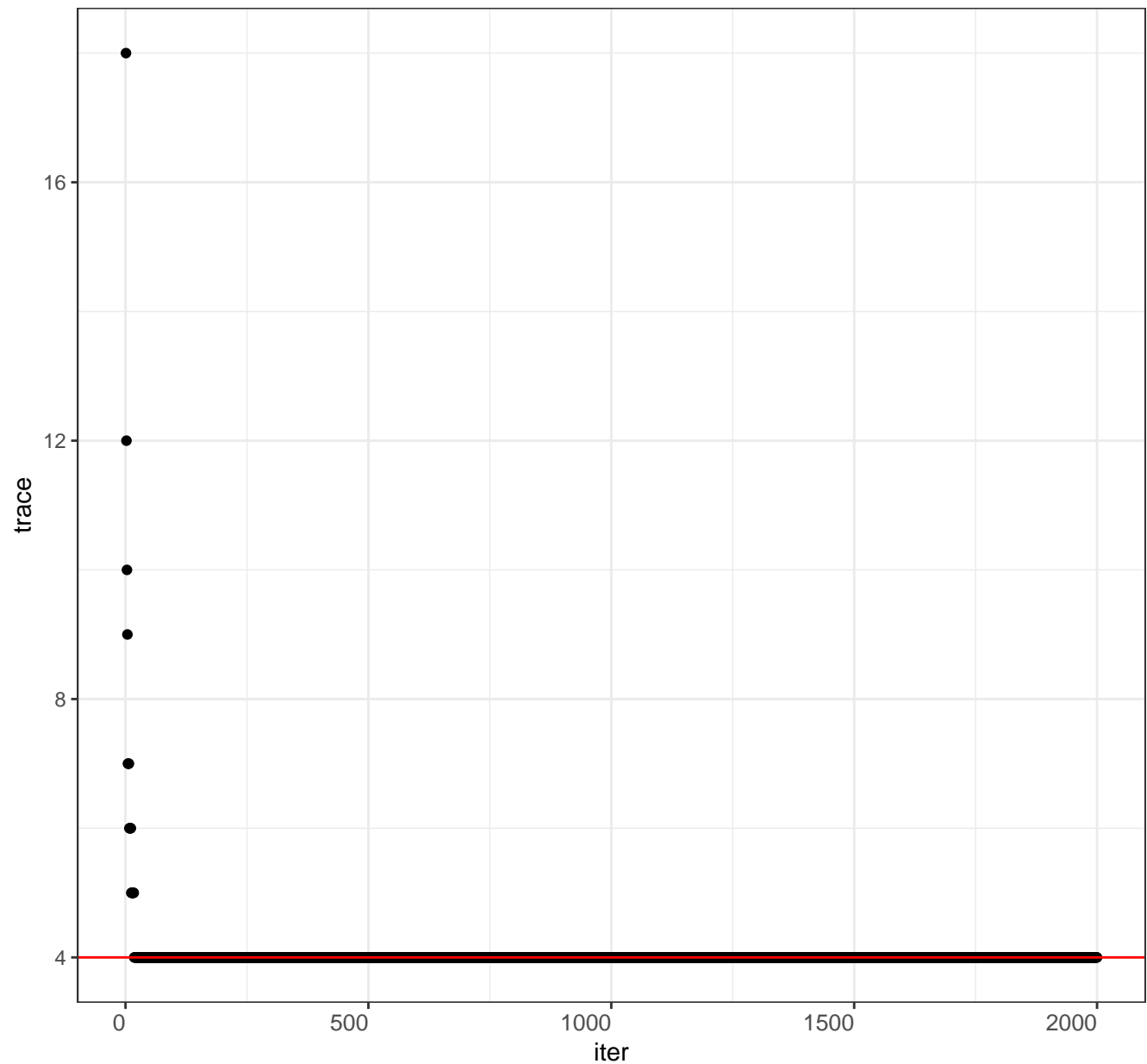
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

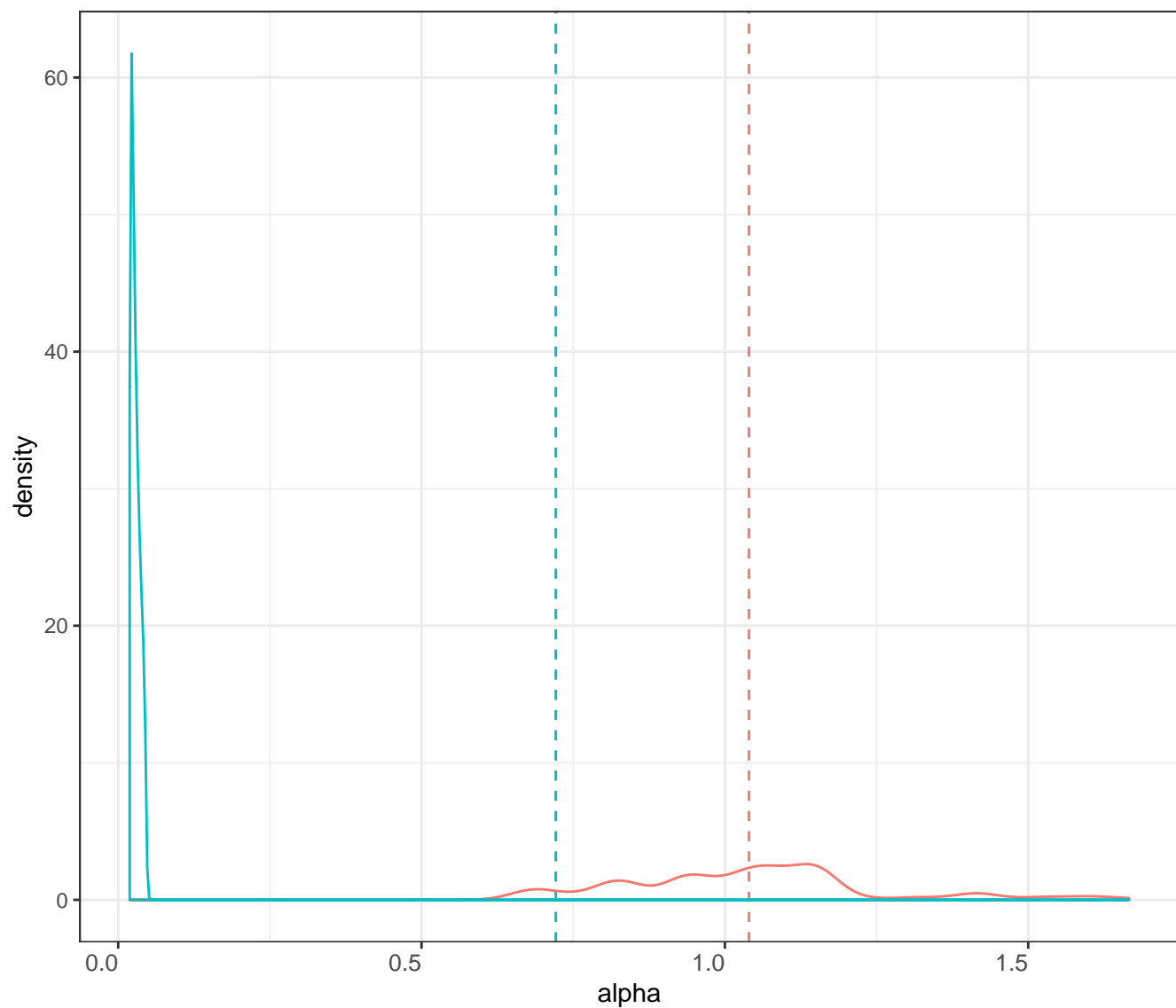
Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

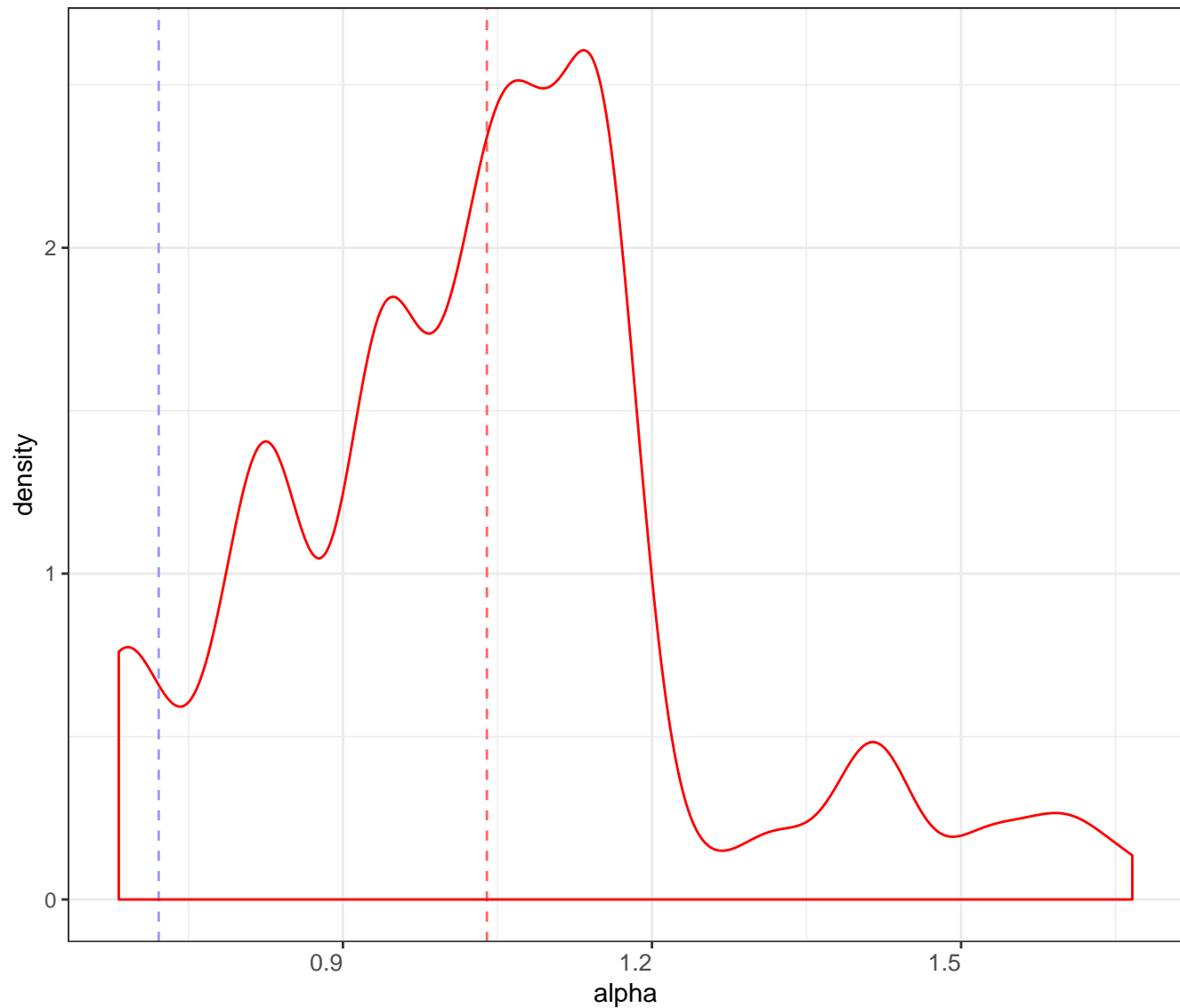
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

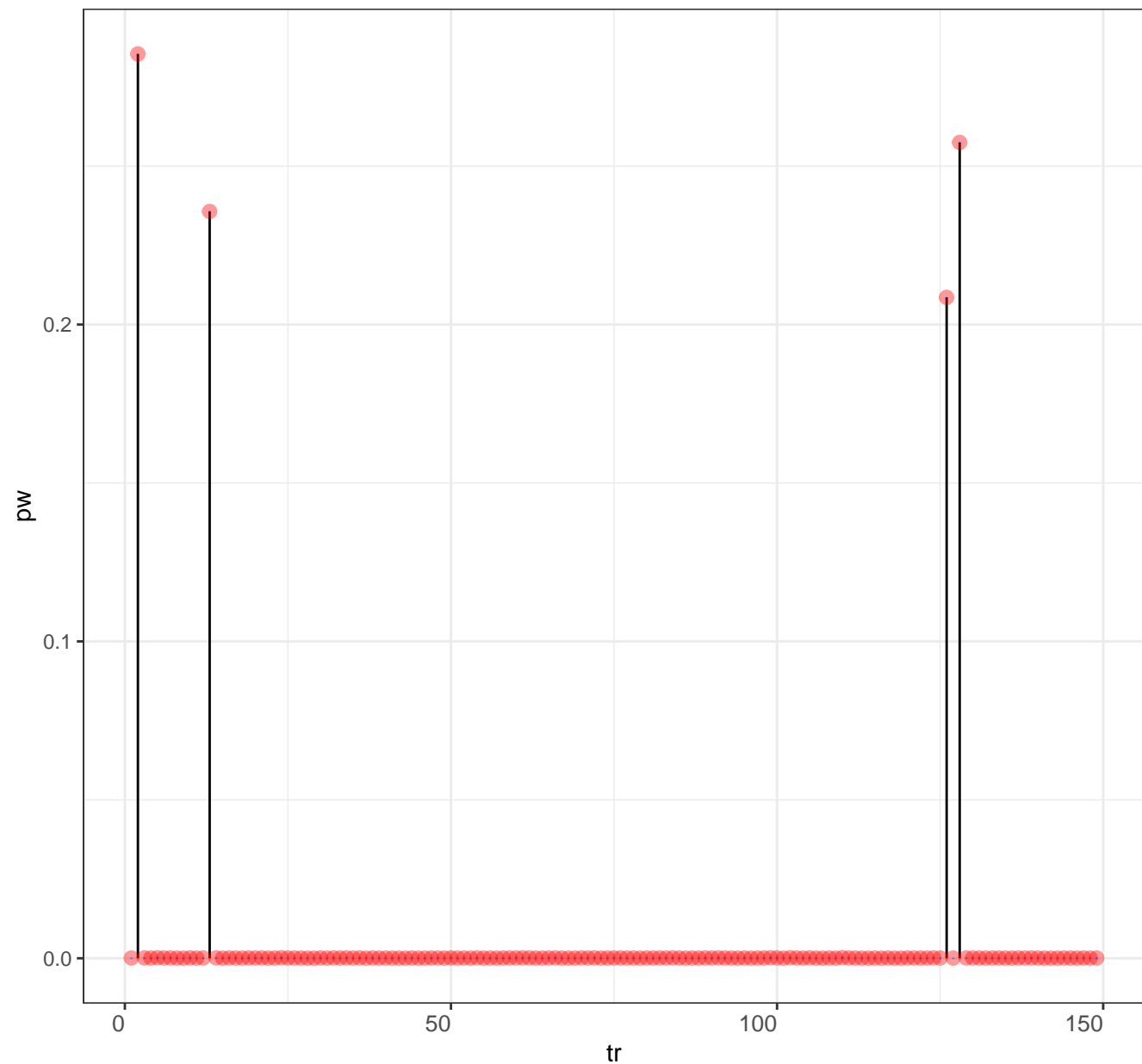
Posterior distribution for alpha

Legend posterior mean prior mean



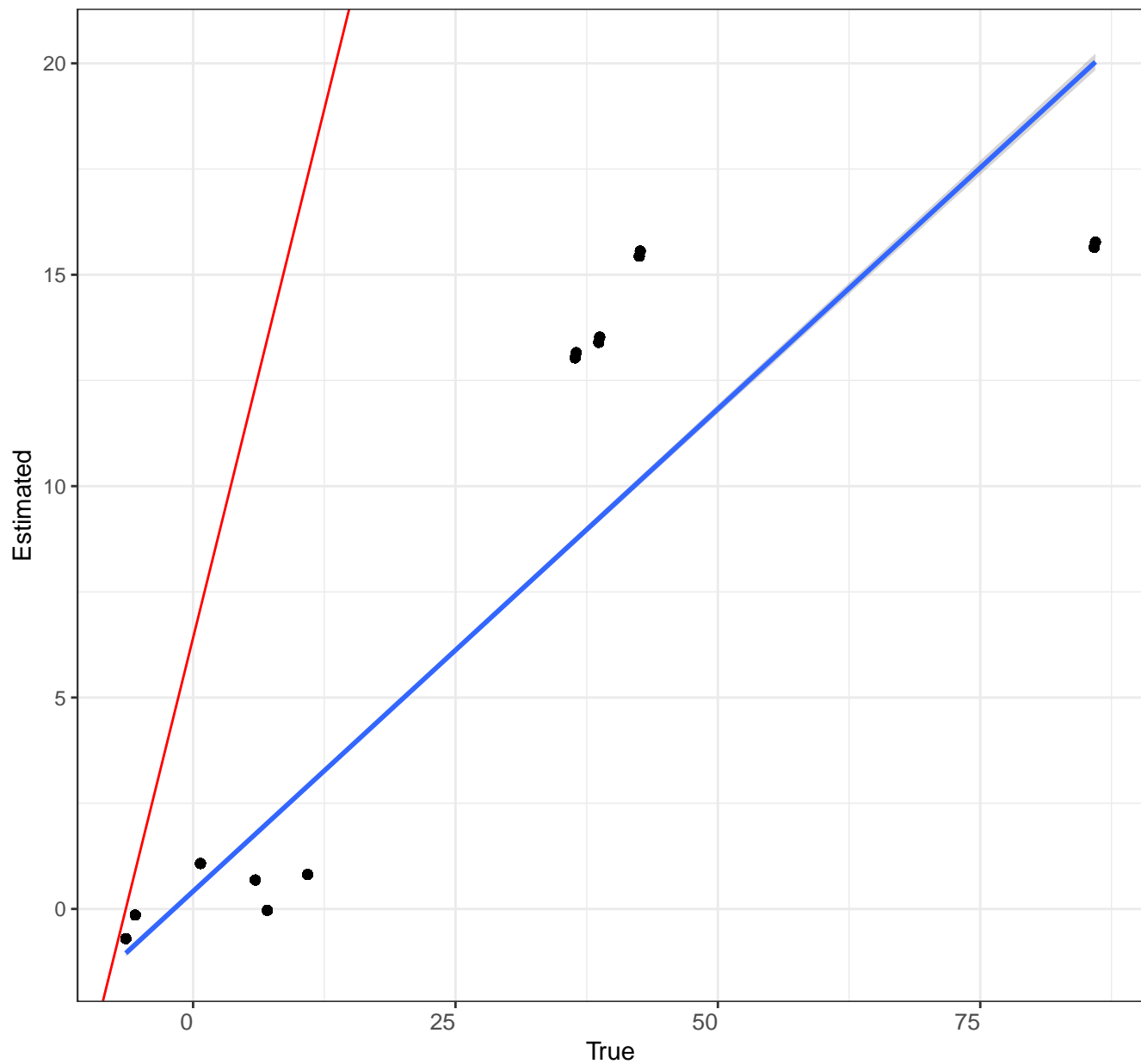
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



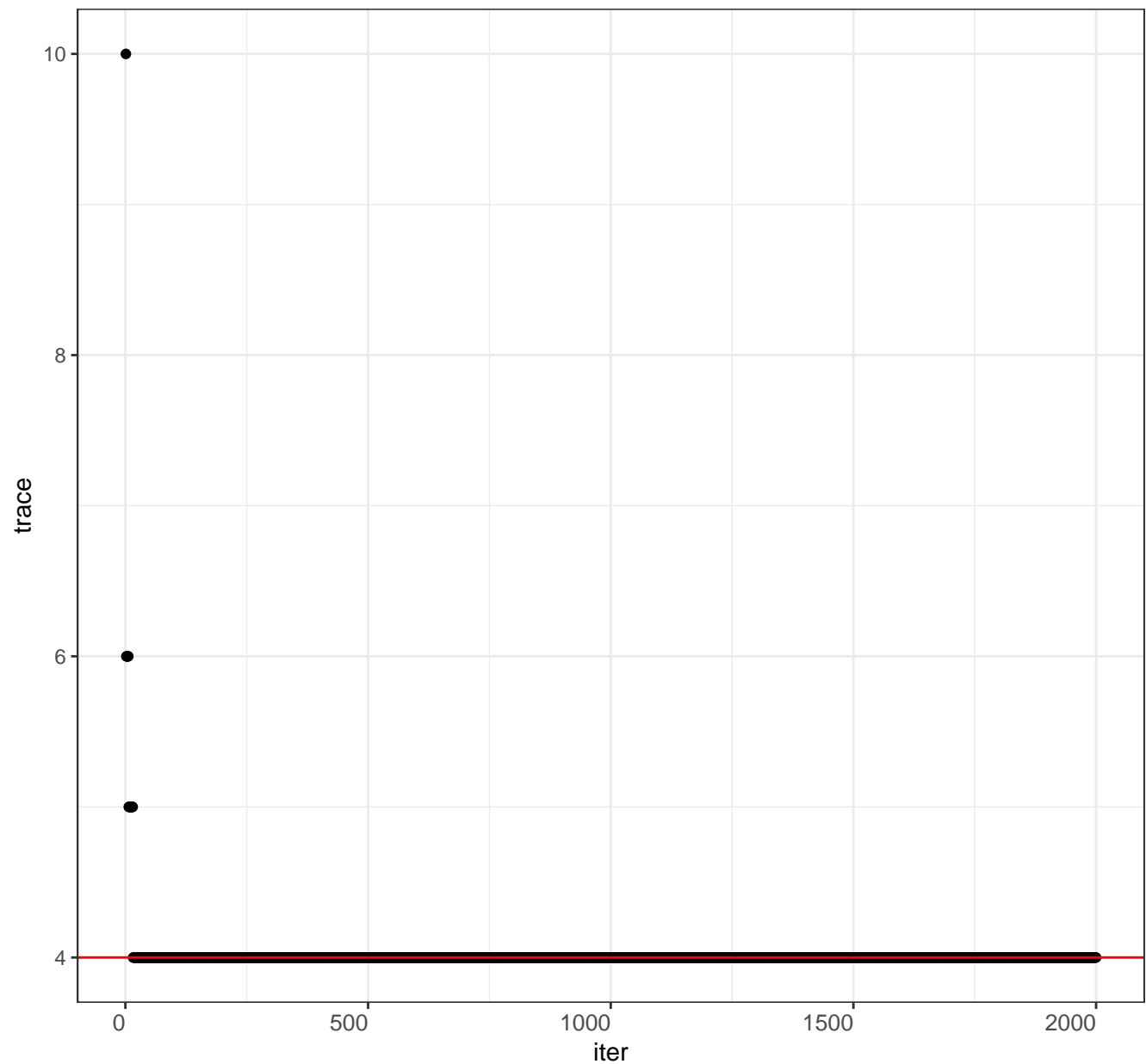
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

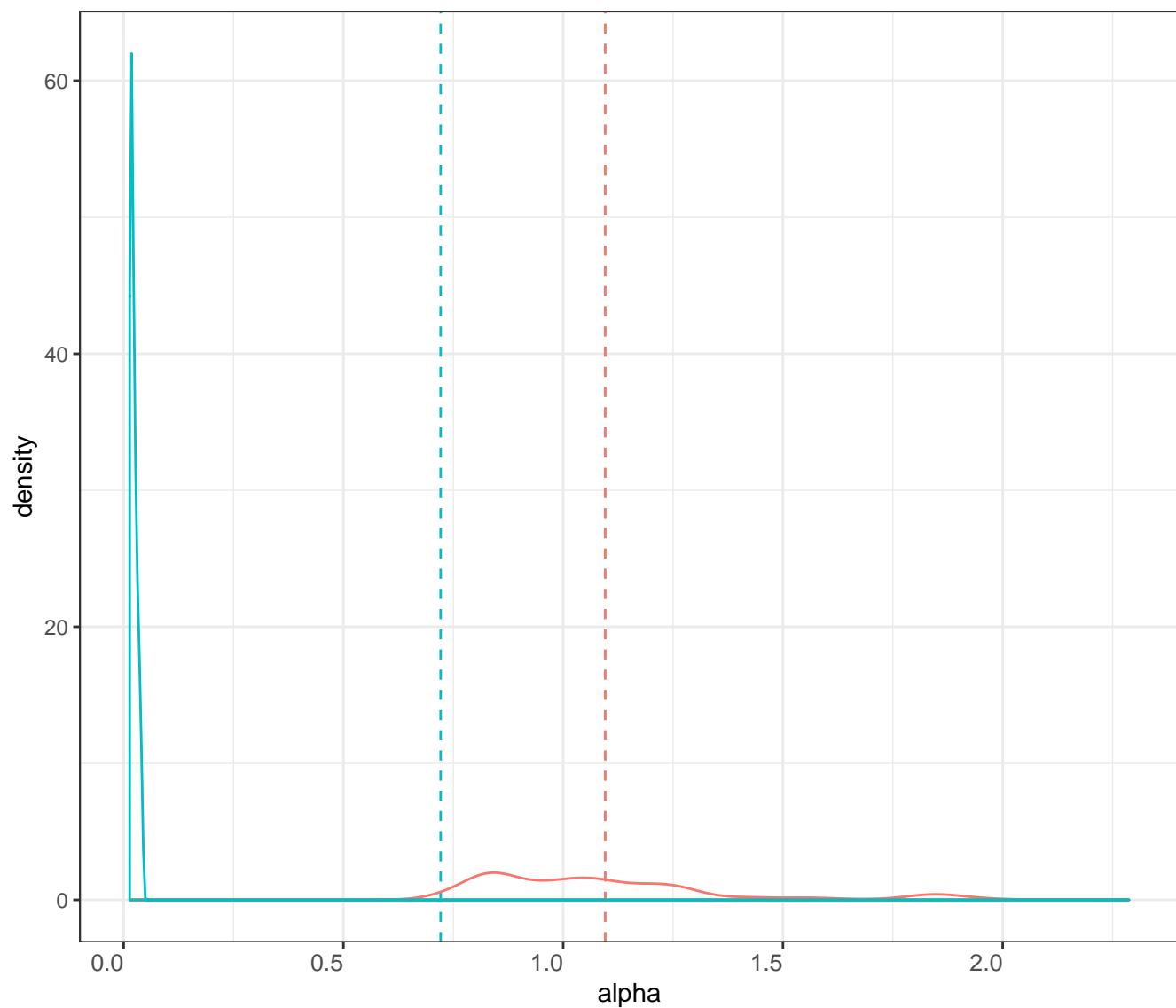
Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

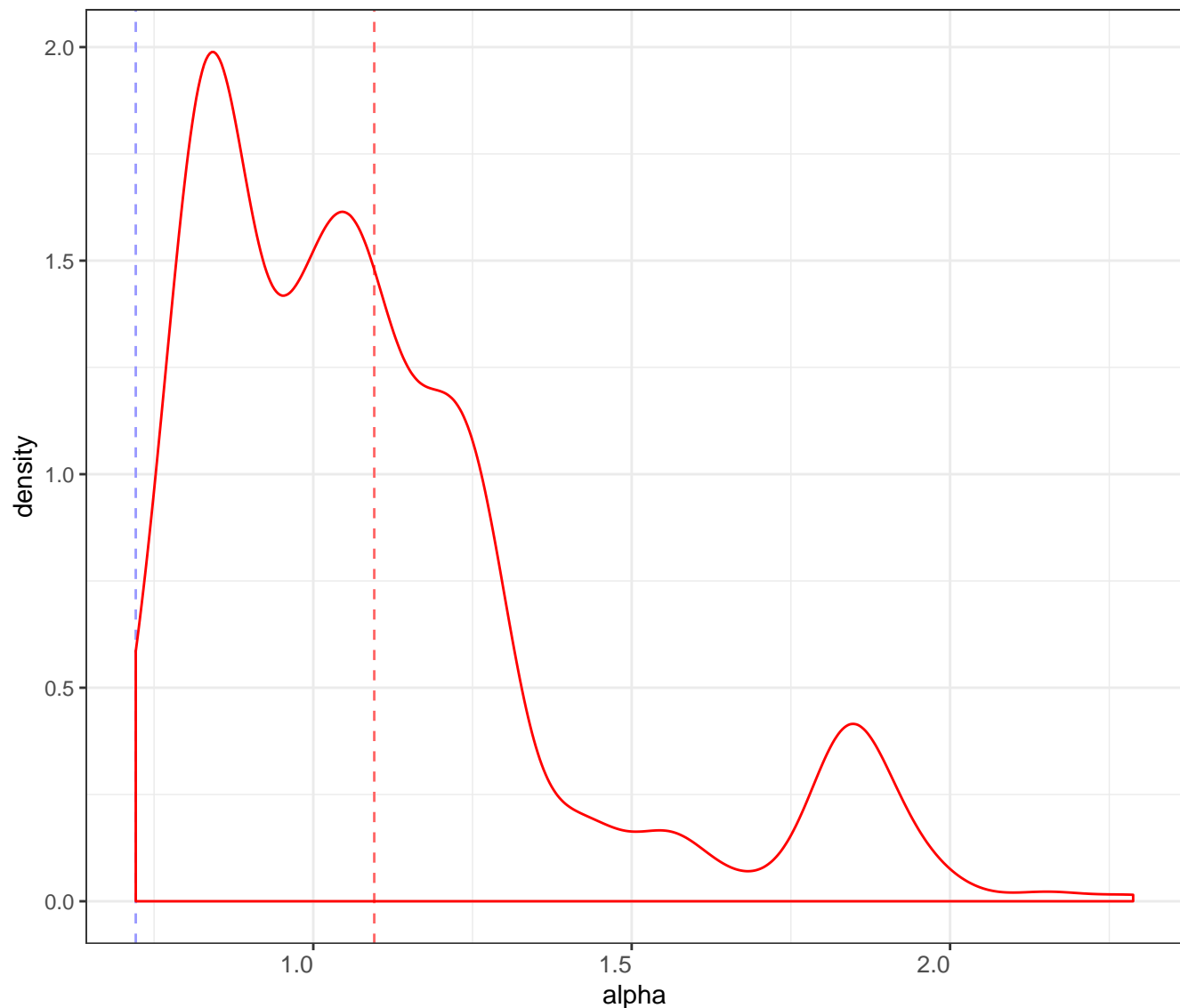
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

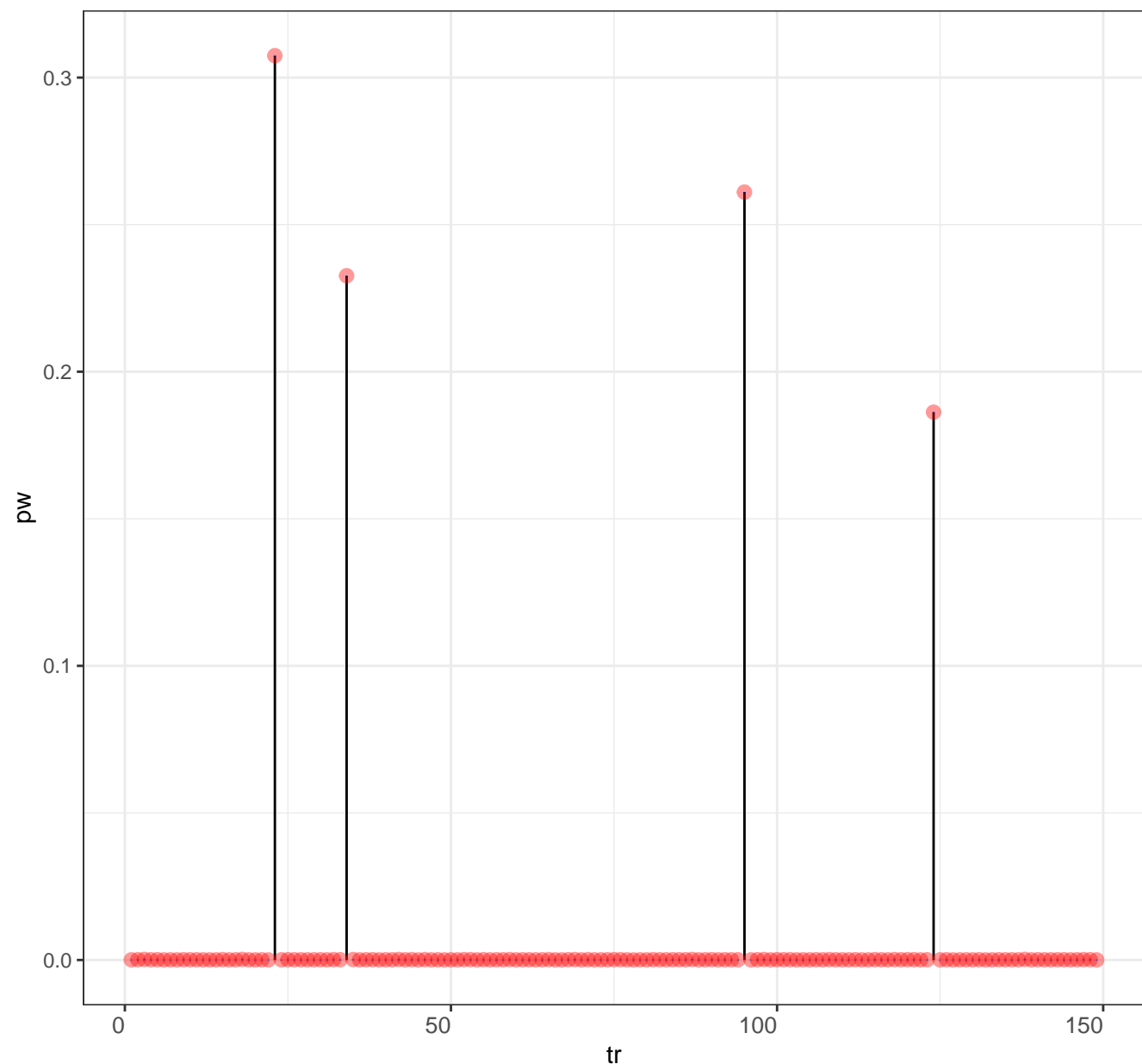
Posterior distribution for alpha

Legend posterior mean prior mean



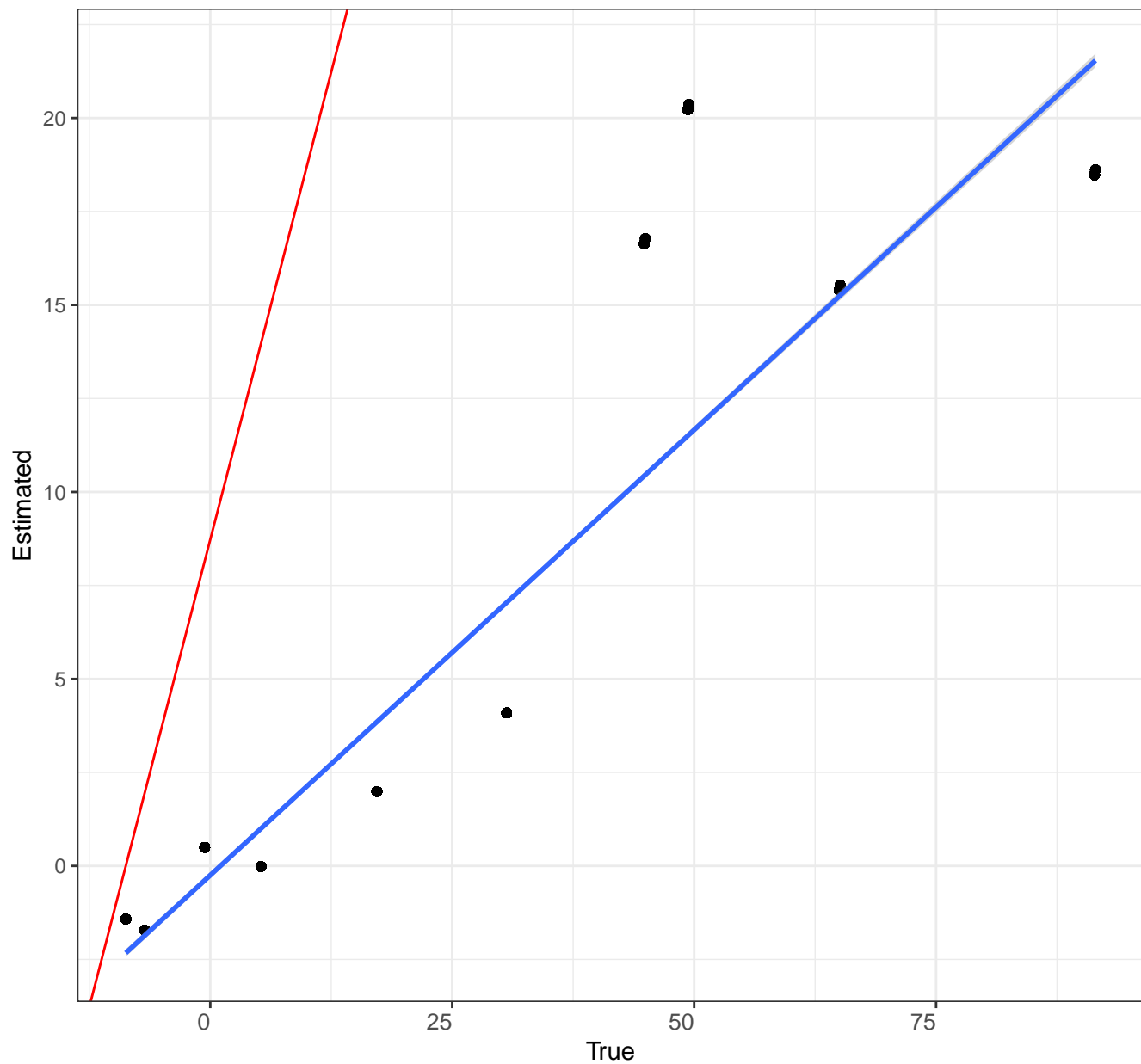
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



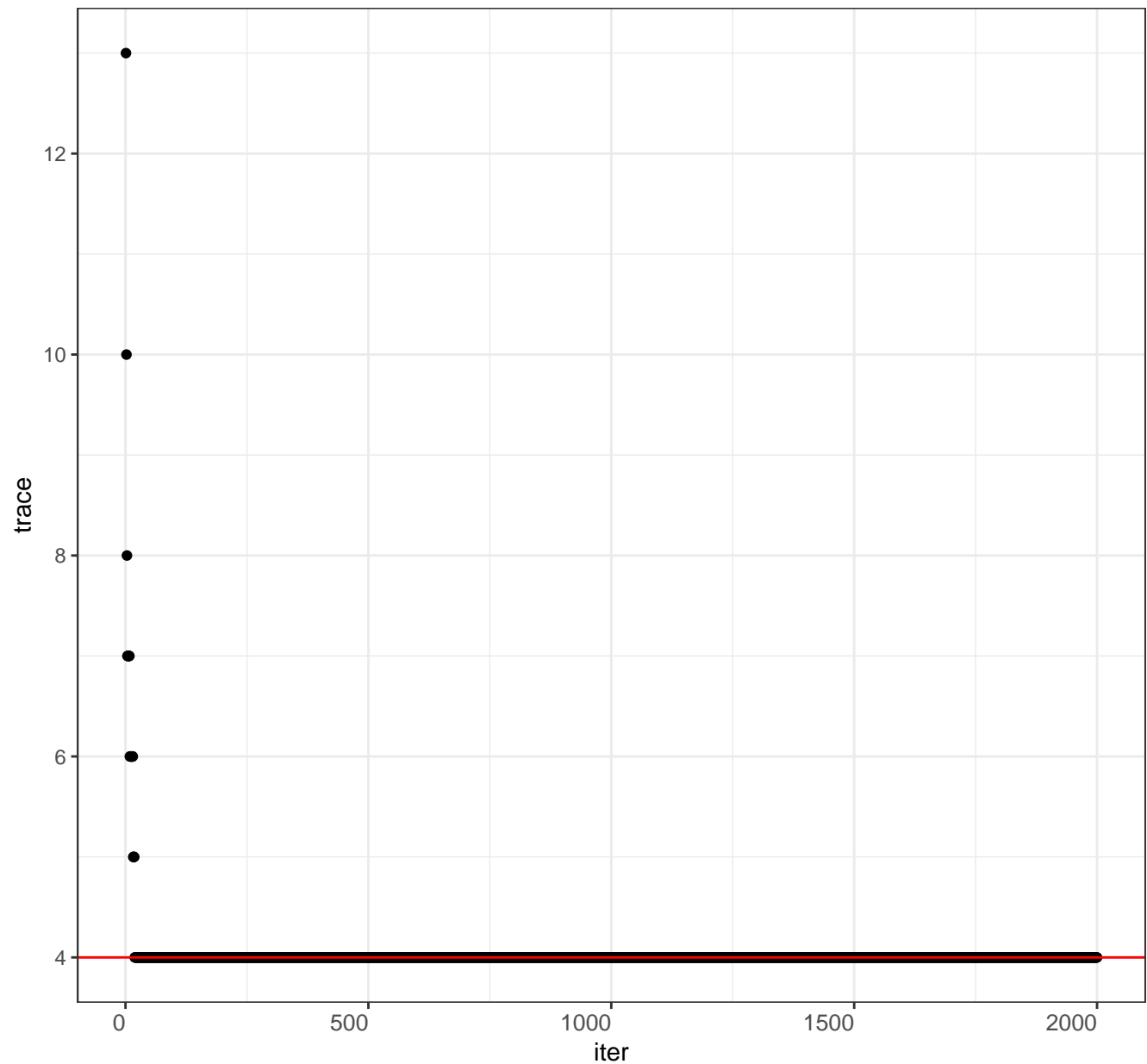
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

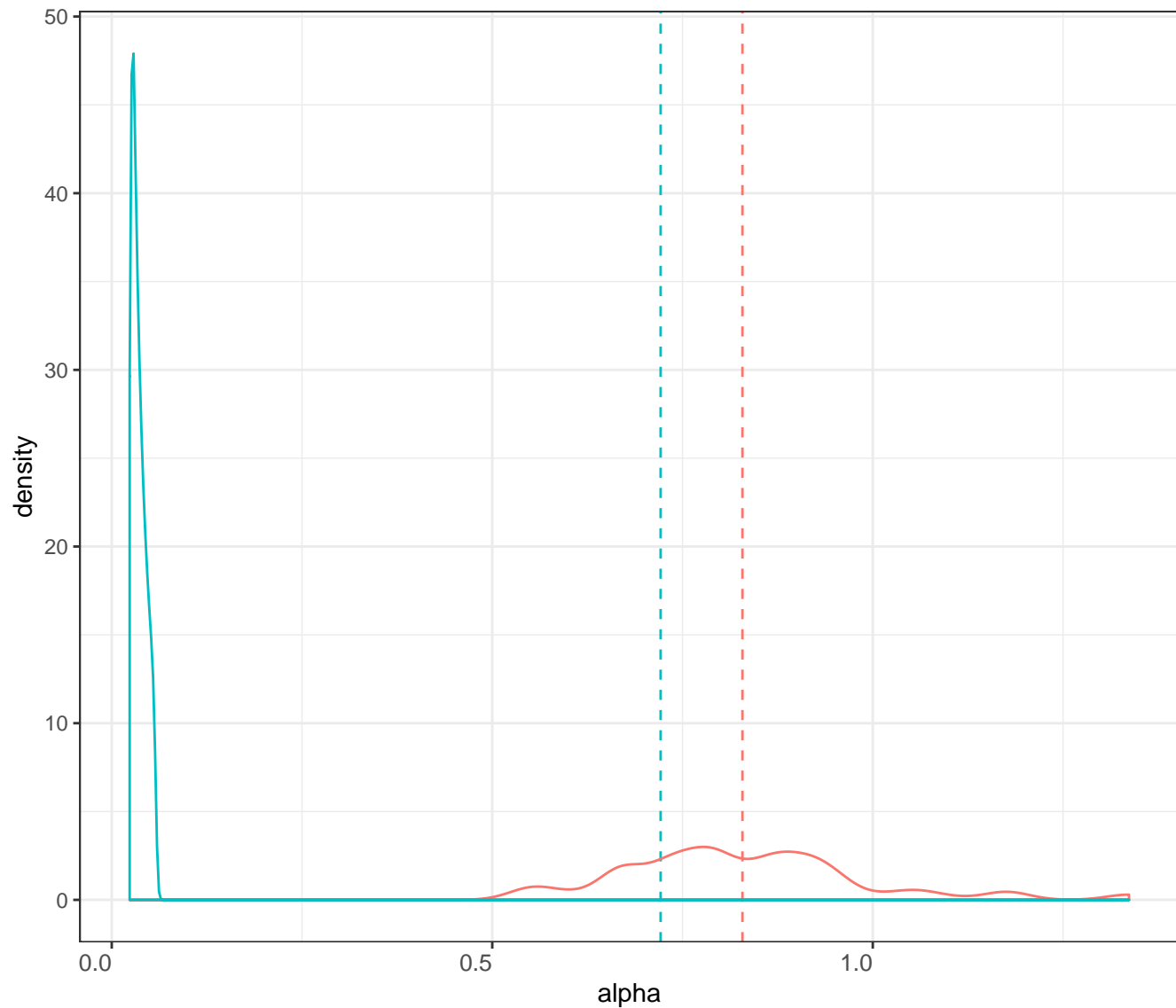
Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

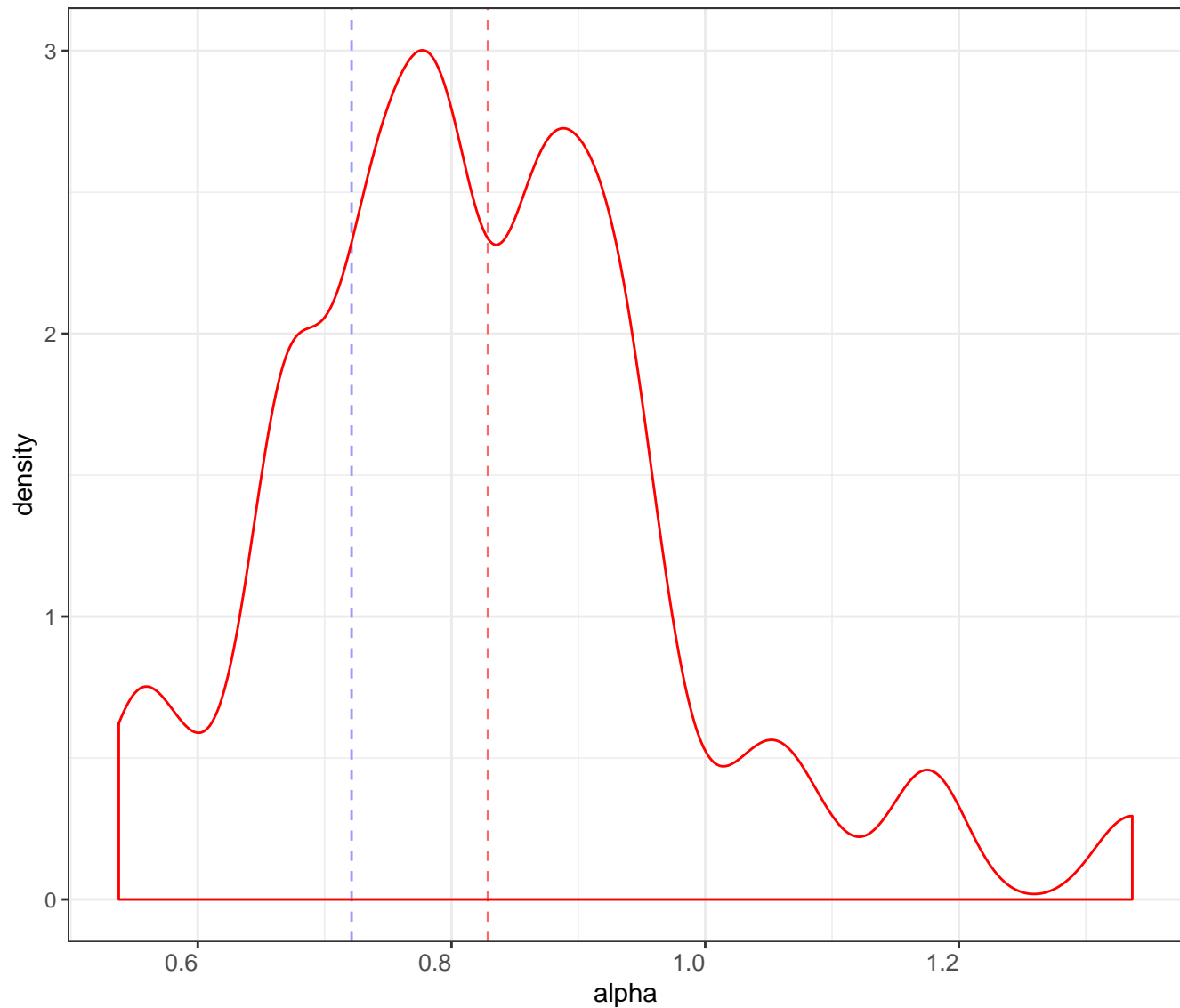
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

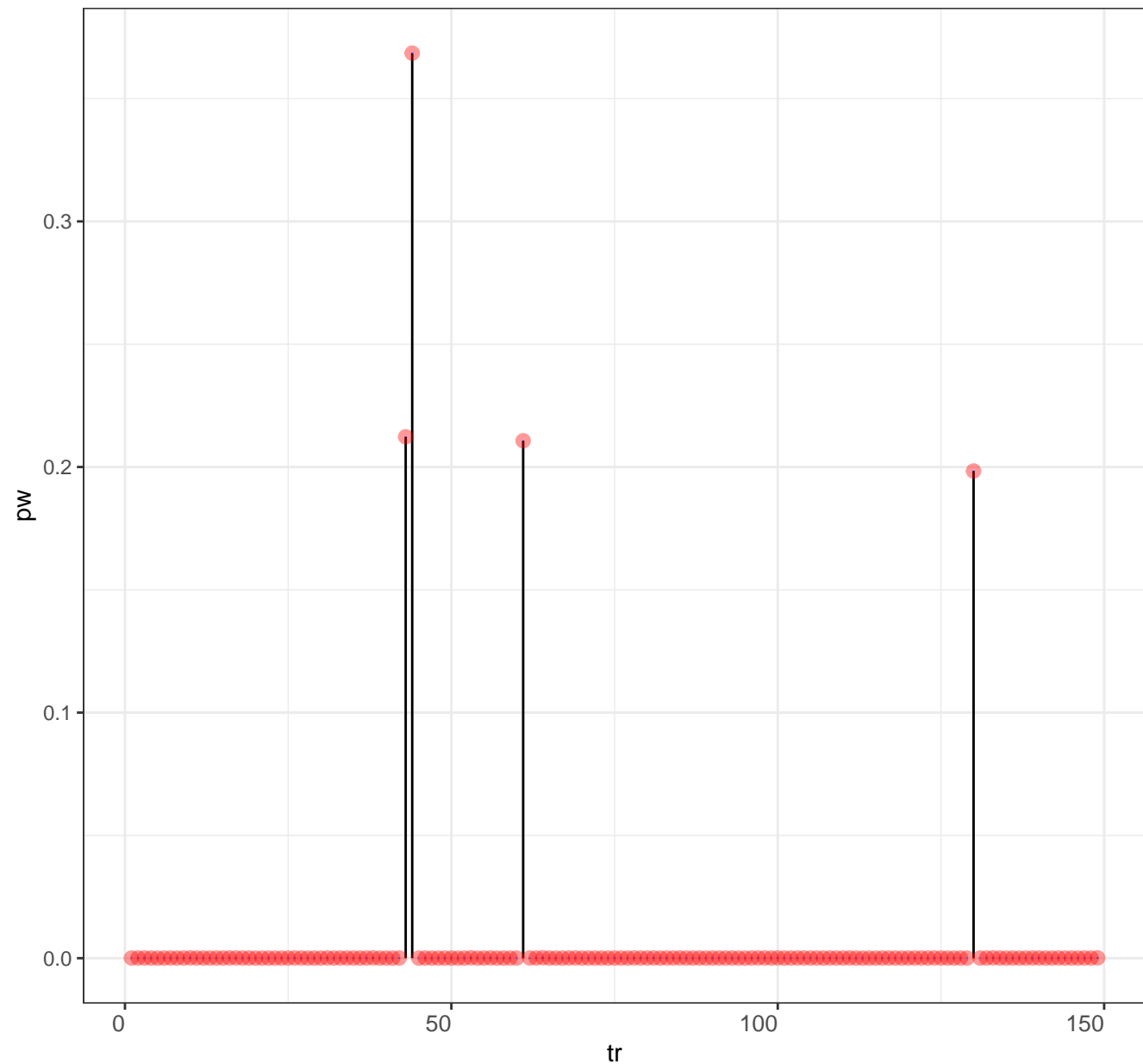
Posterior distribution for alpha

Legend posterior mean prior mean



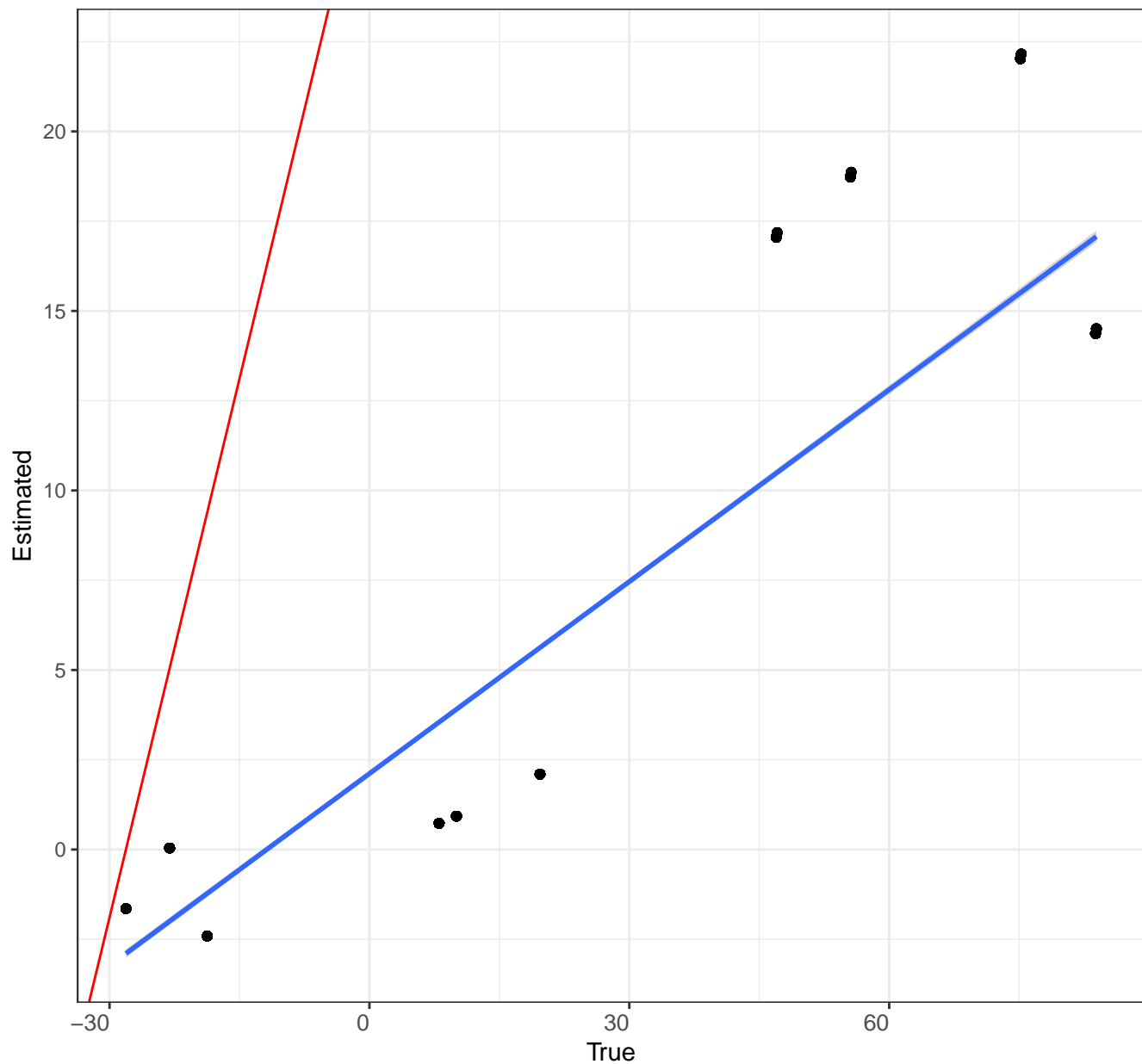
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



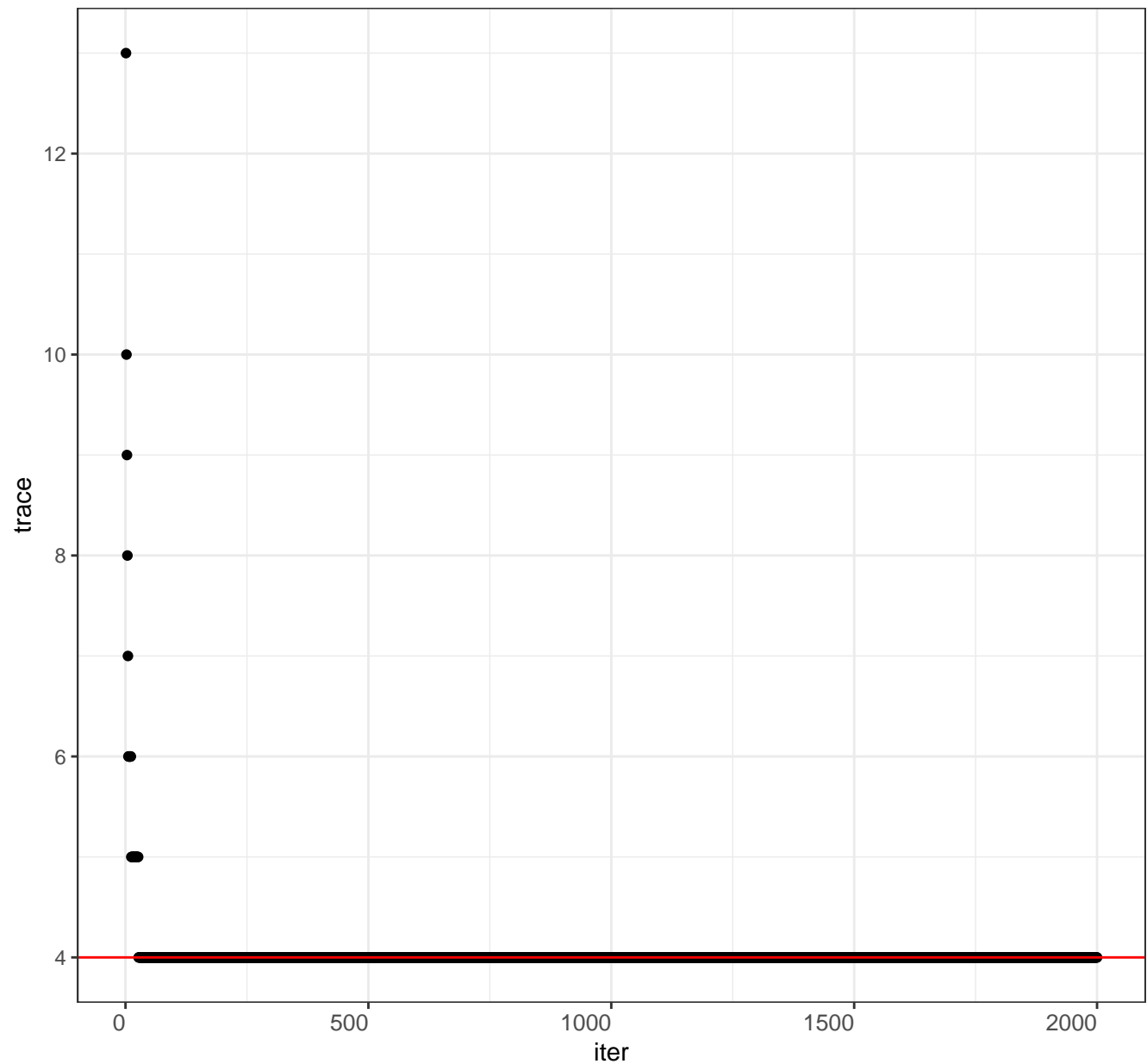
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





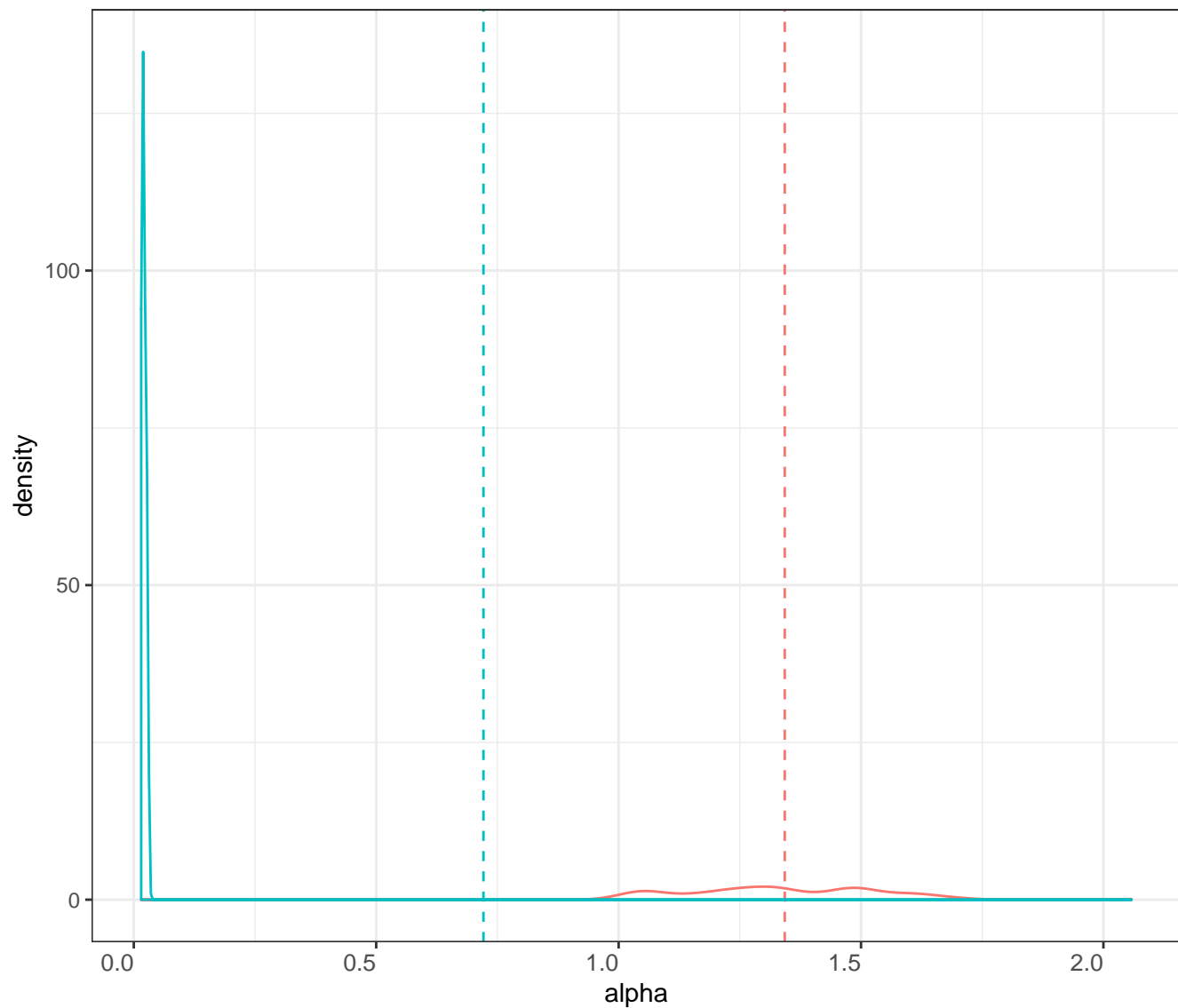
Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

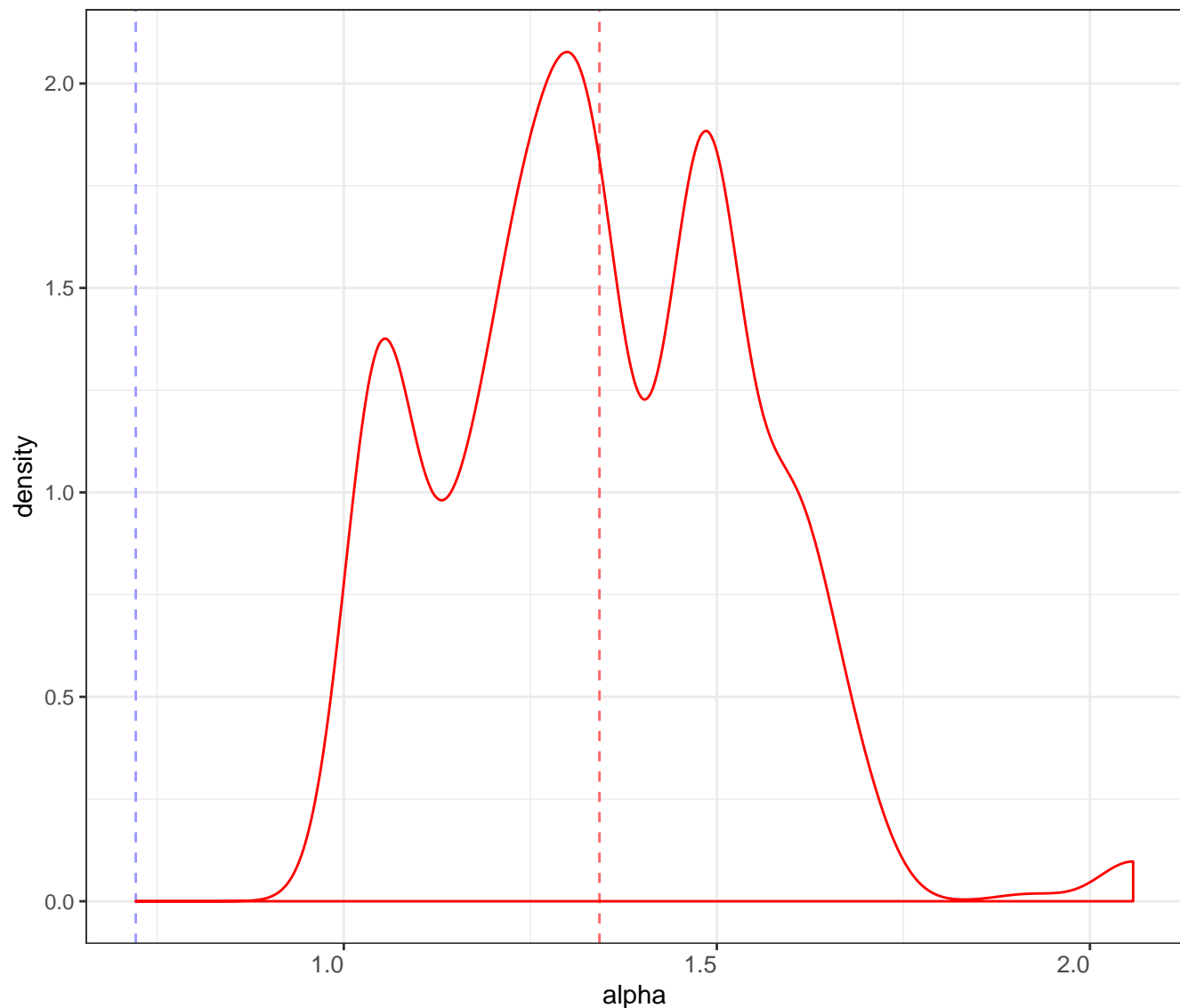
Legend



posterior mean

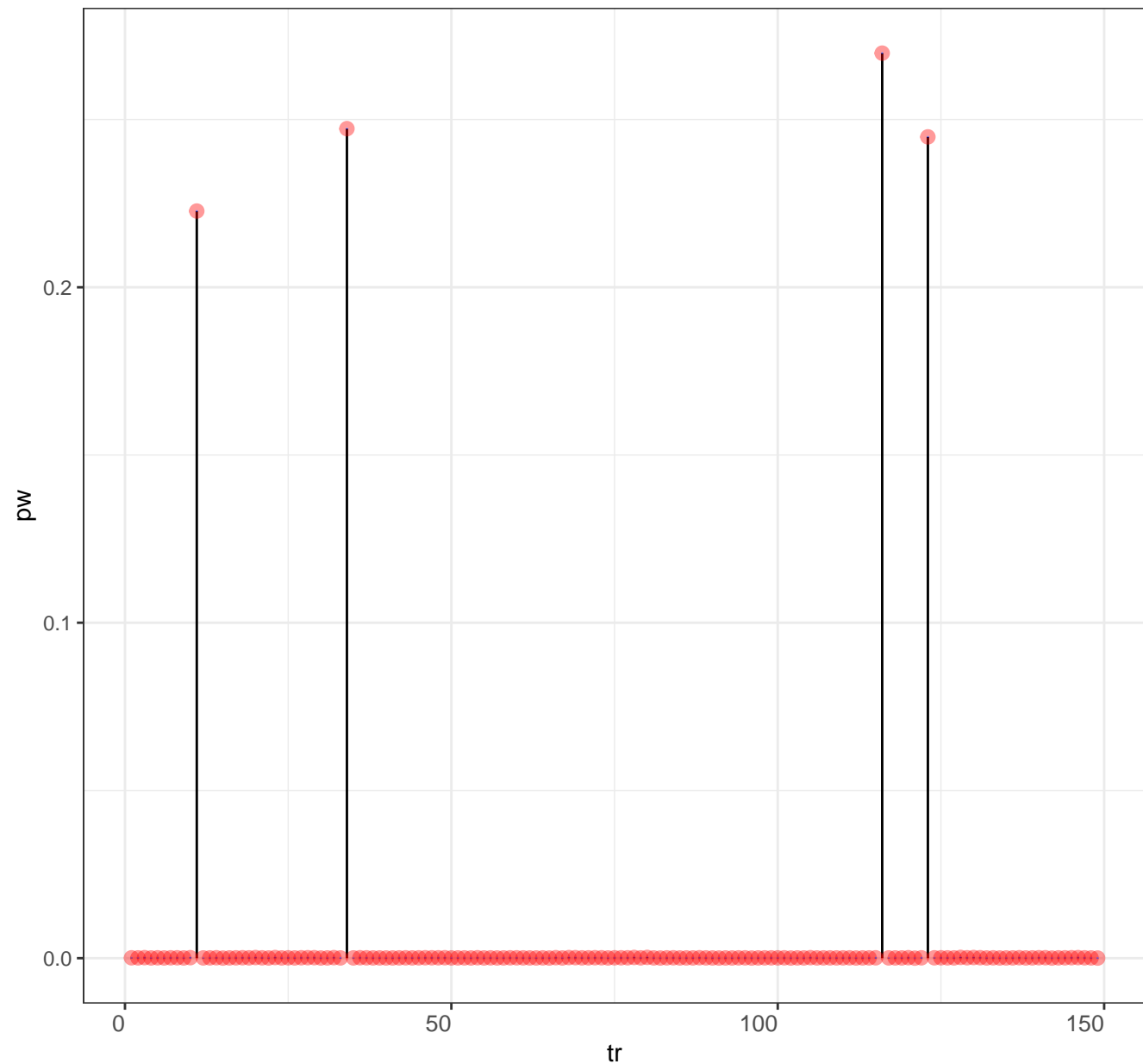


prior mean



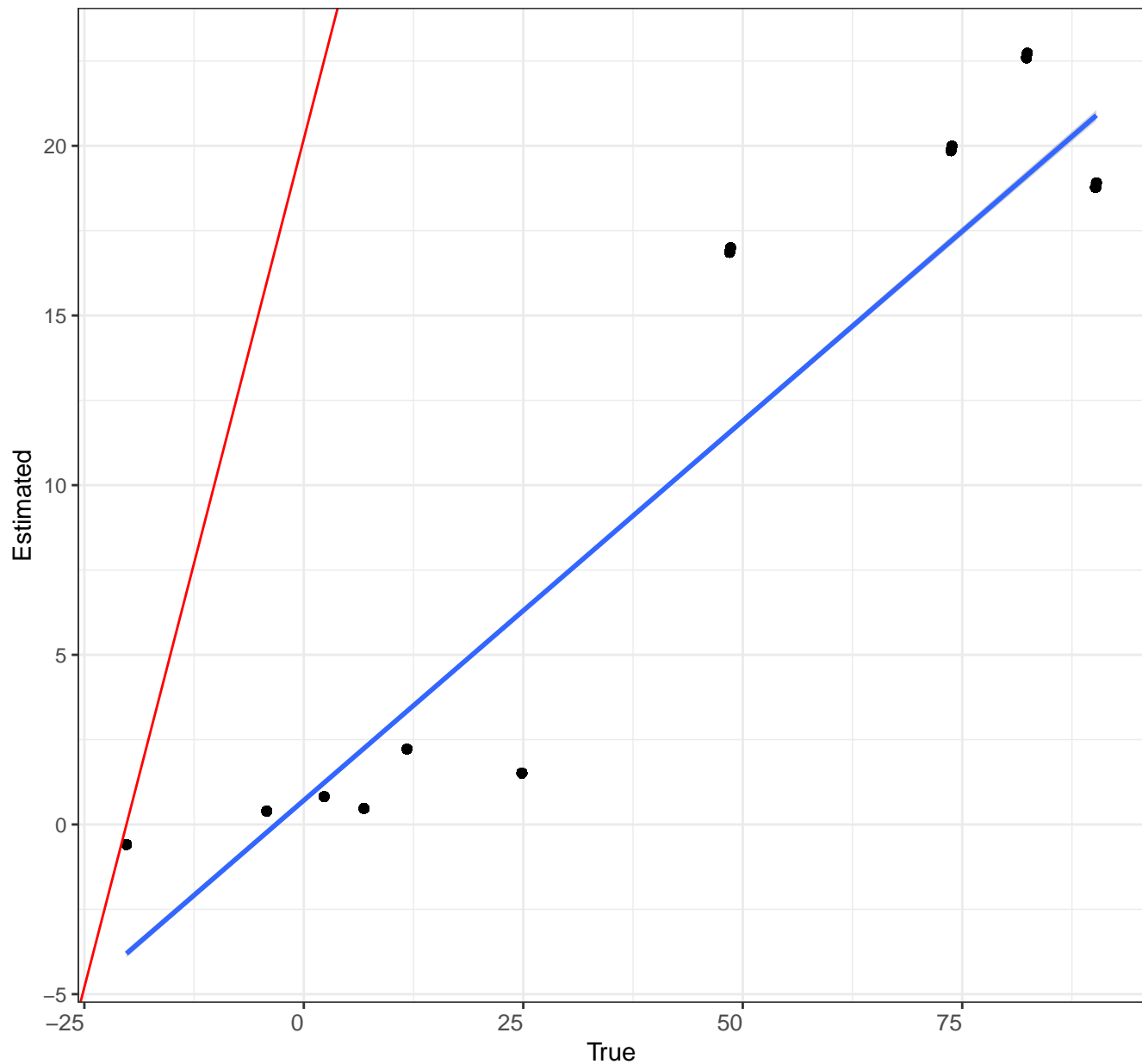
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



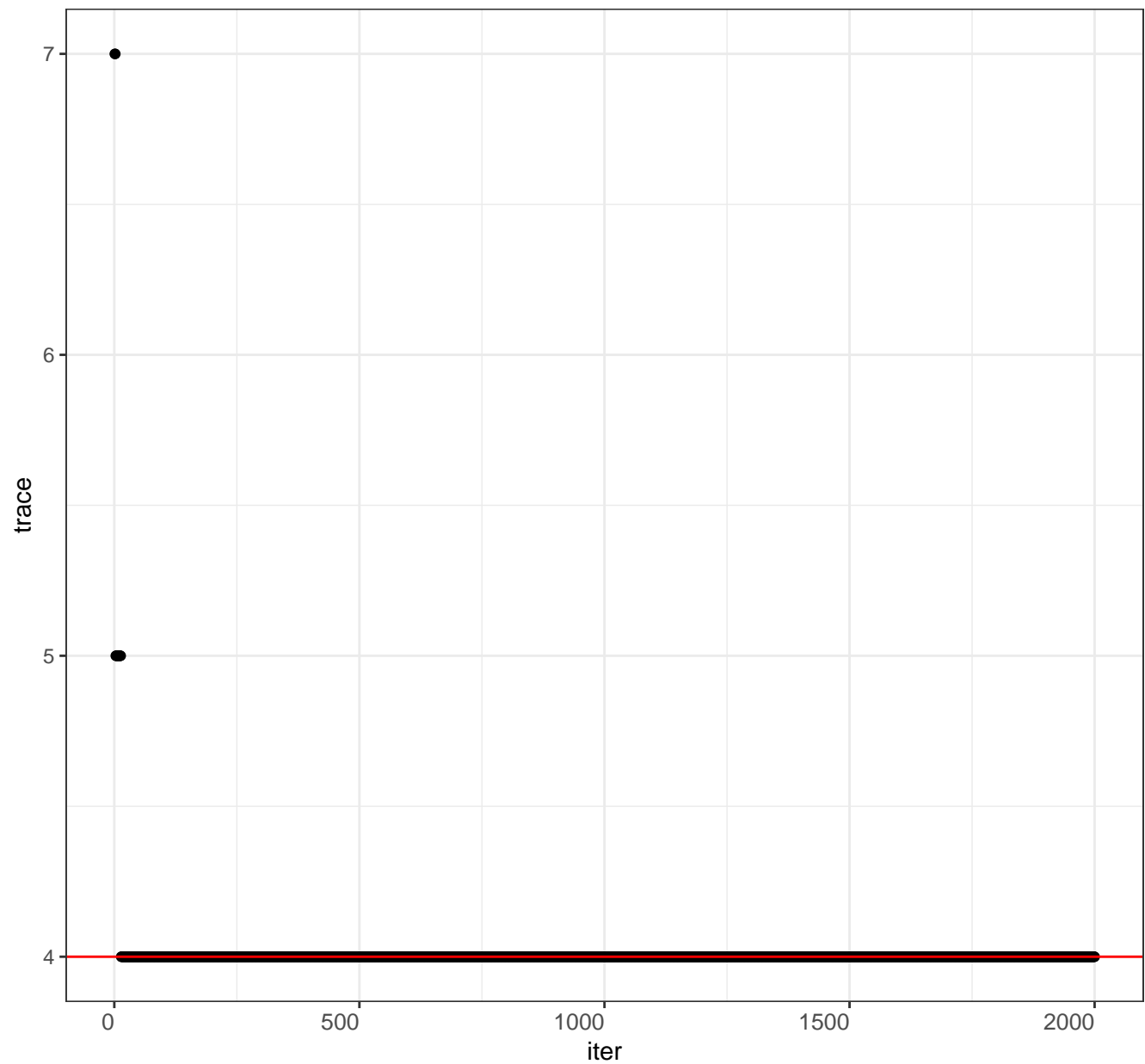
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

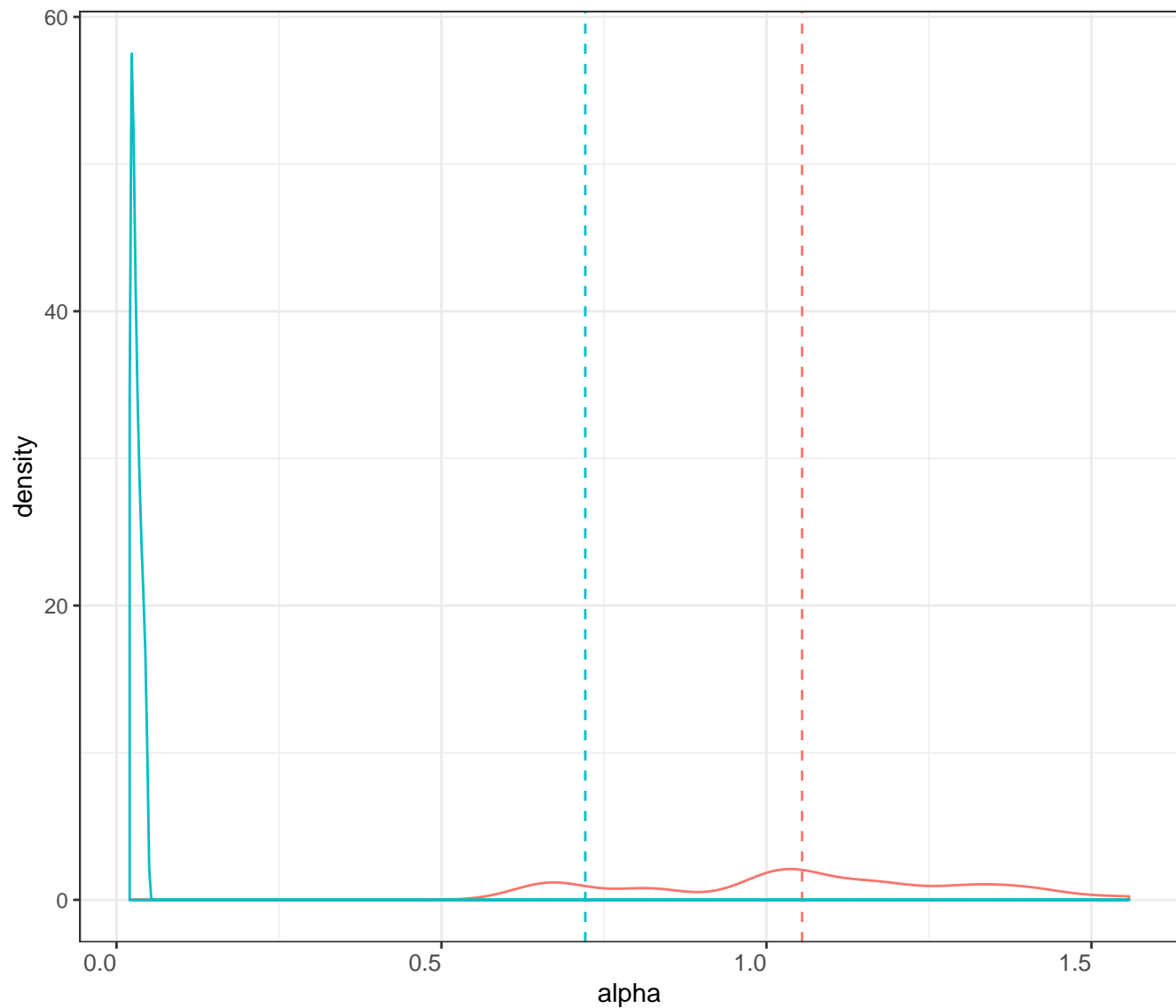
Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

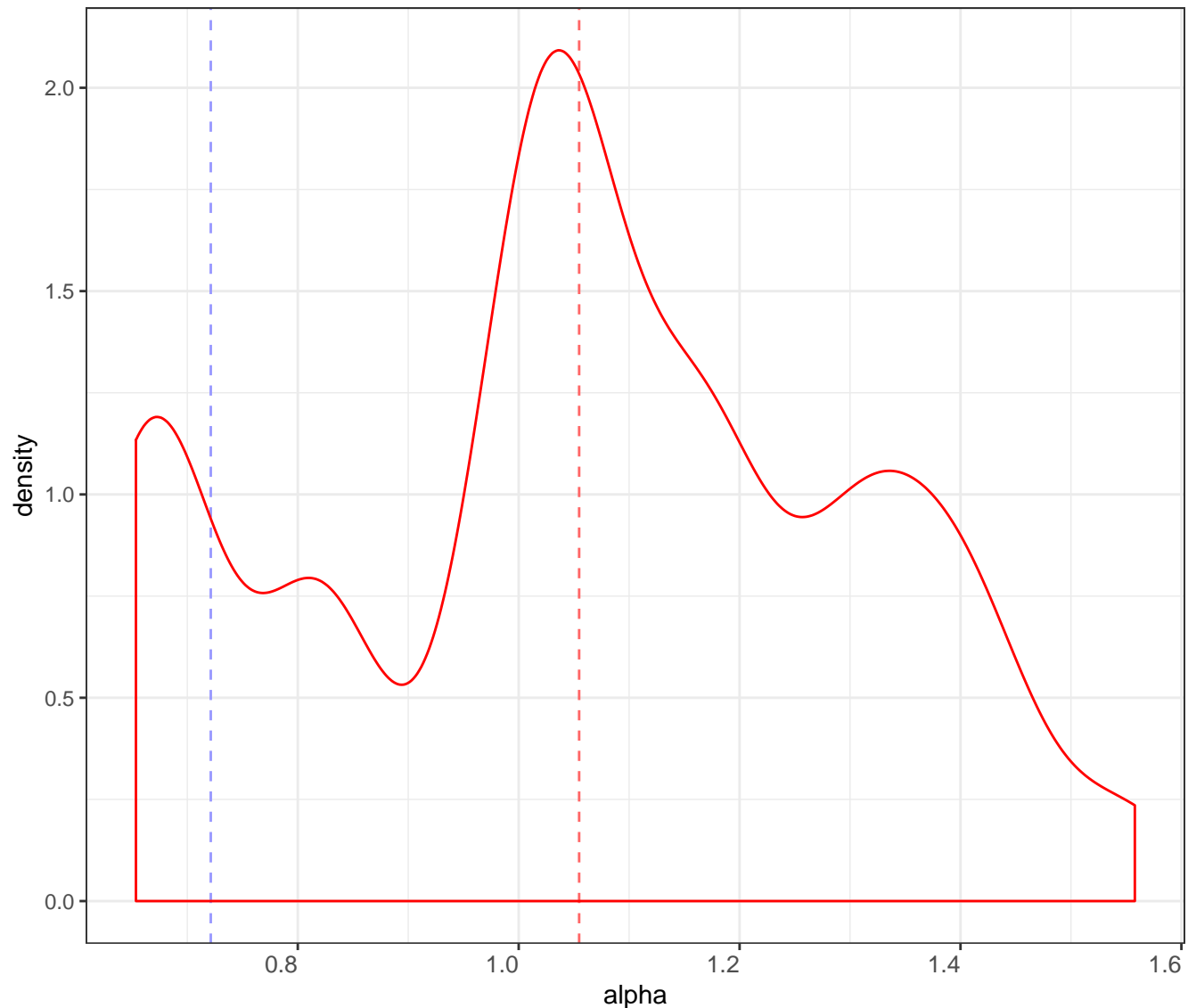
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

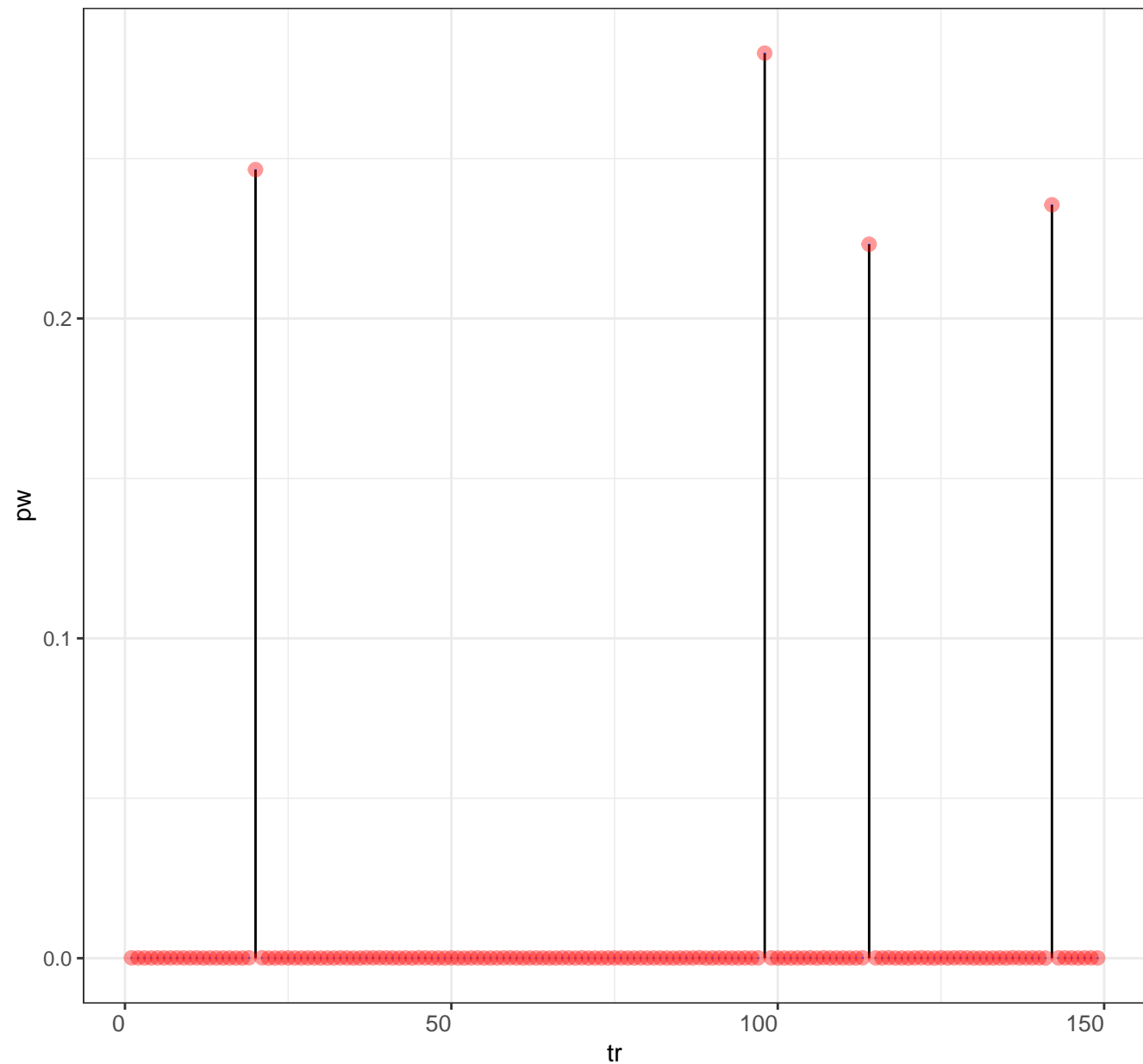
Posterior distribution for alpha

Legend posterior mean prior mean



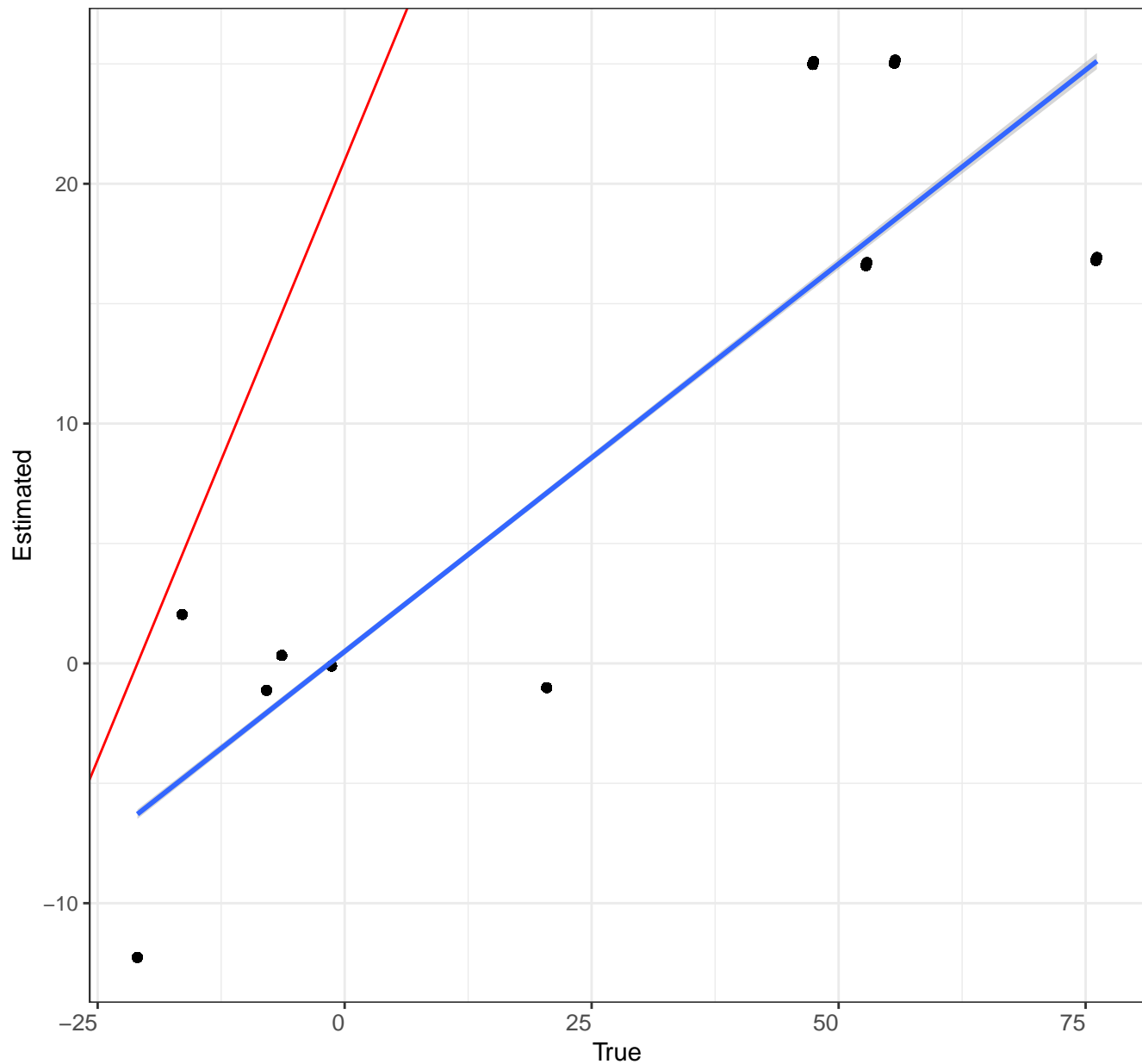
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



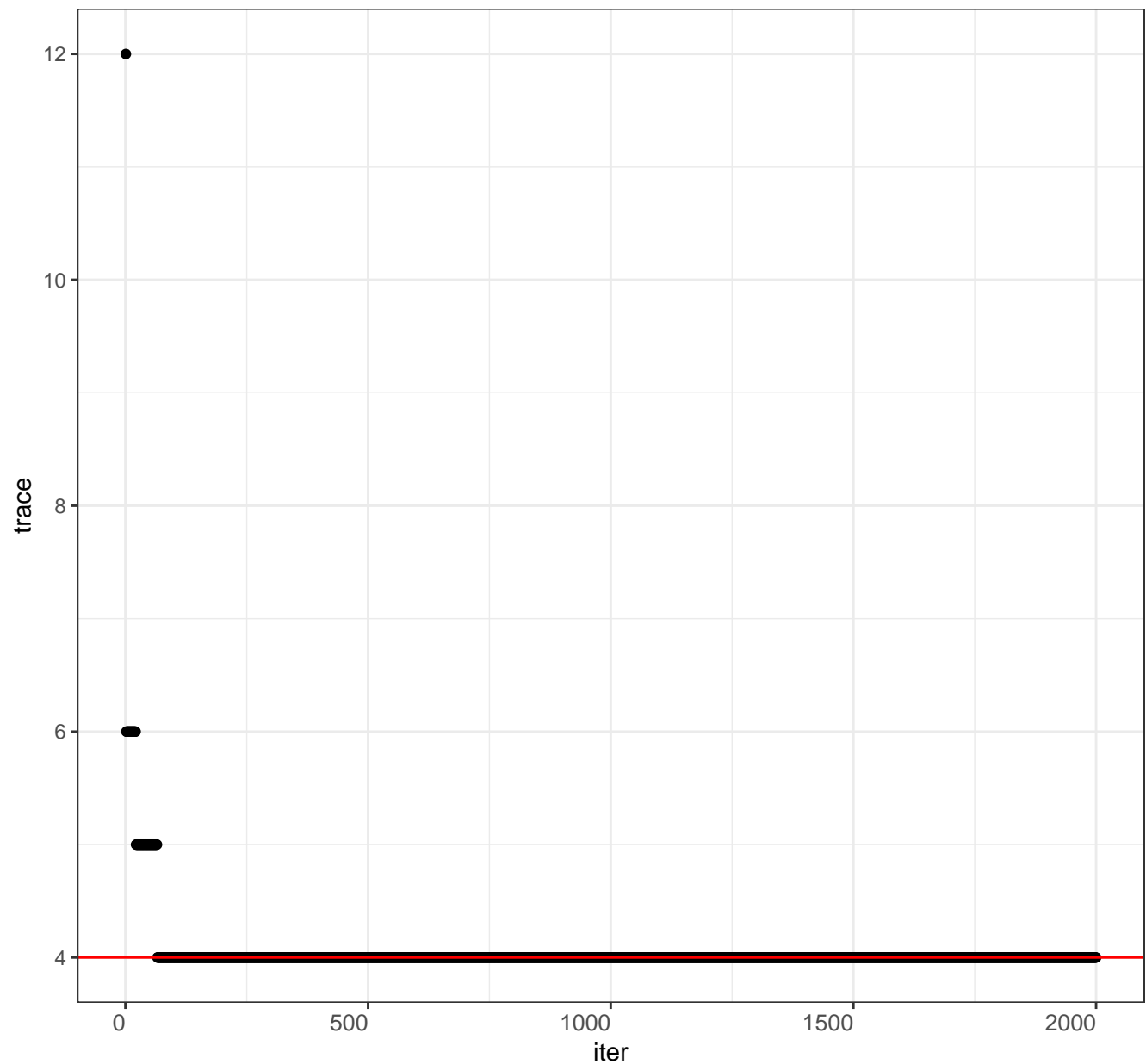
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

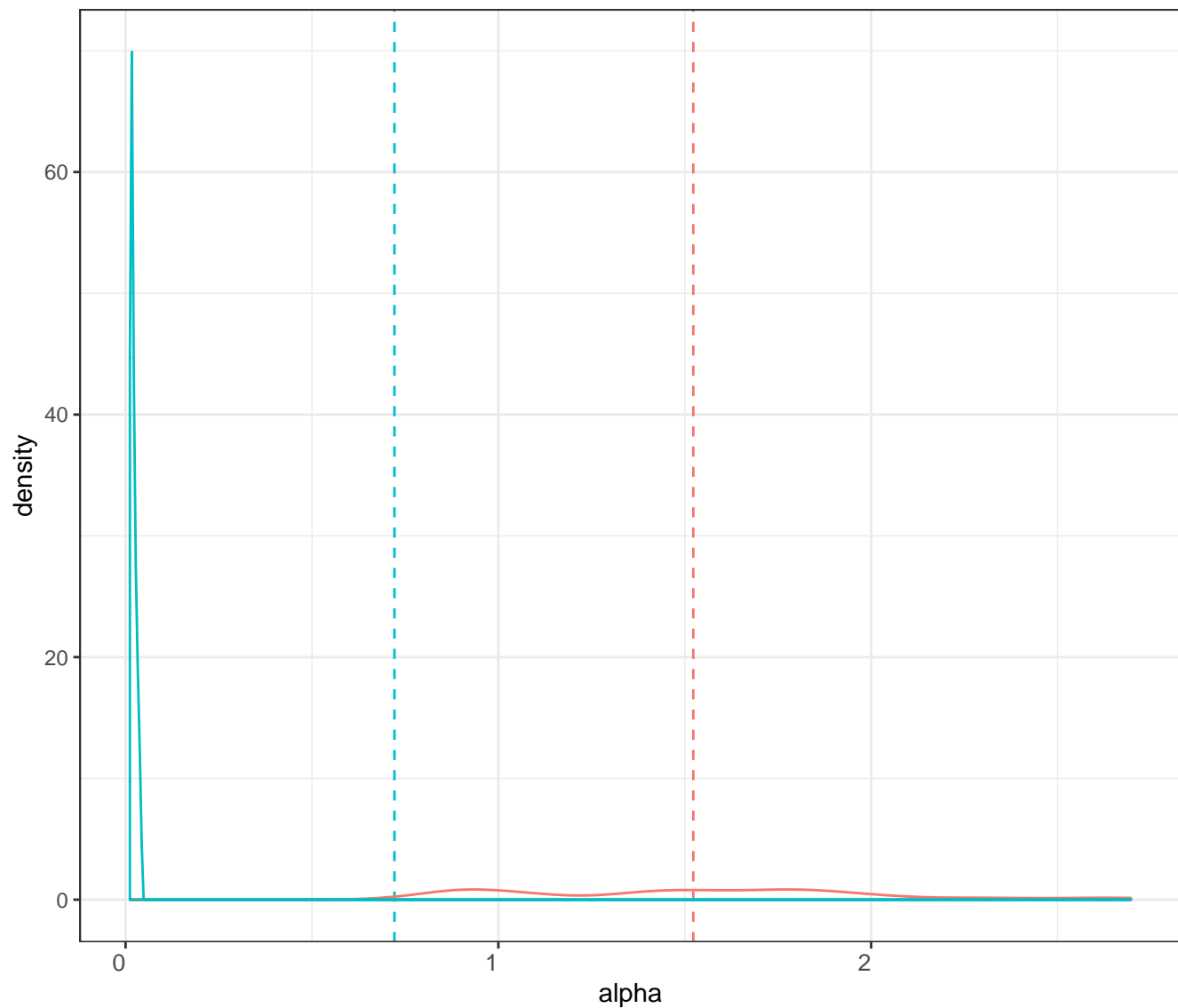
Trace plot for the number of groups K for S=80 r=5 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=5 true gr K=4 ,type=2 ,N=150

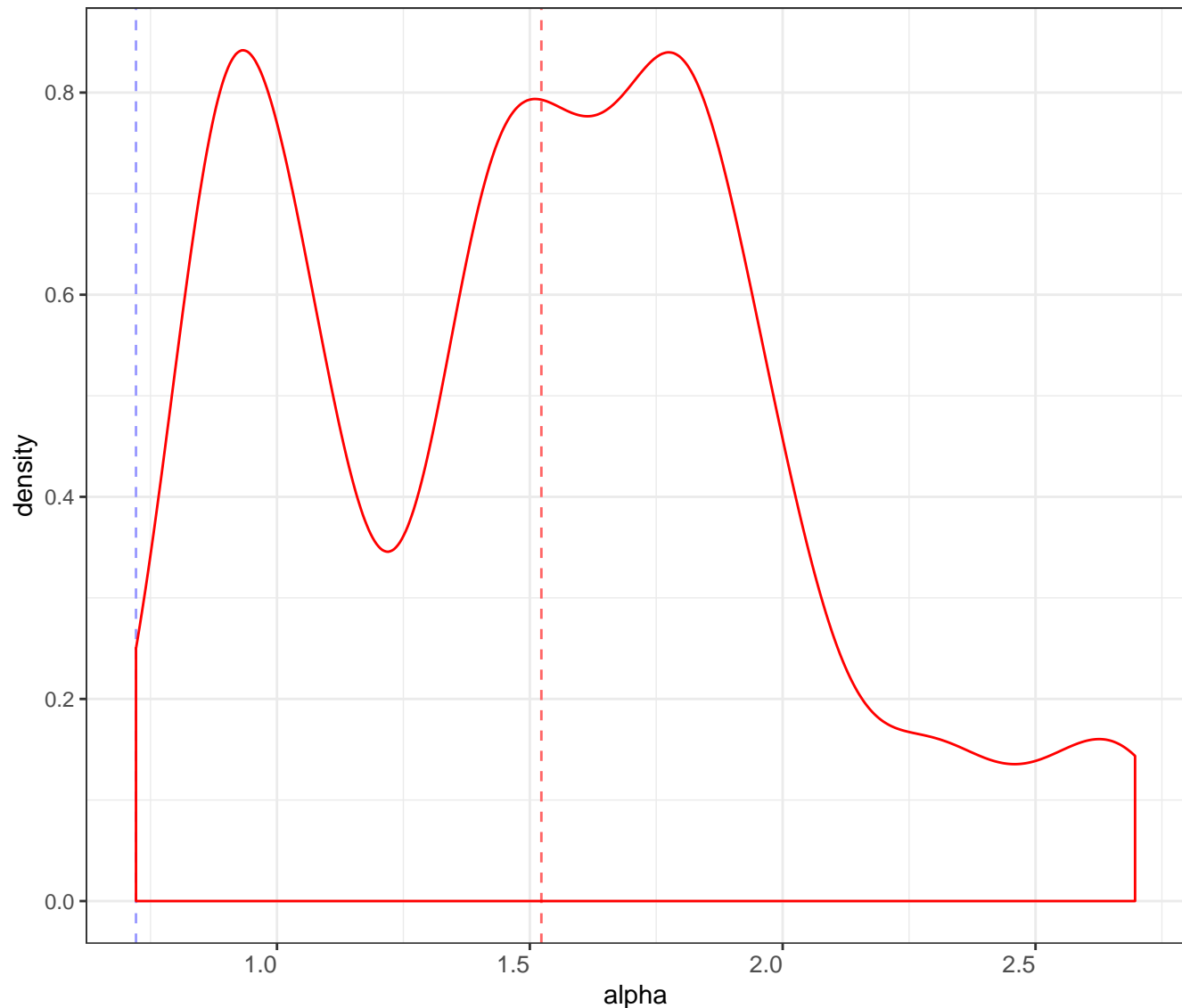
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

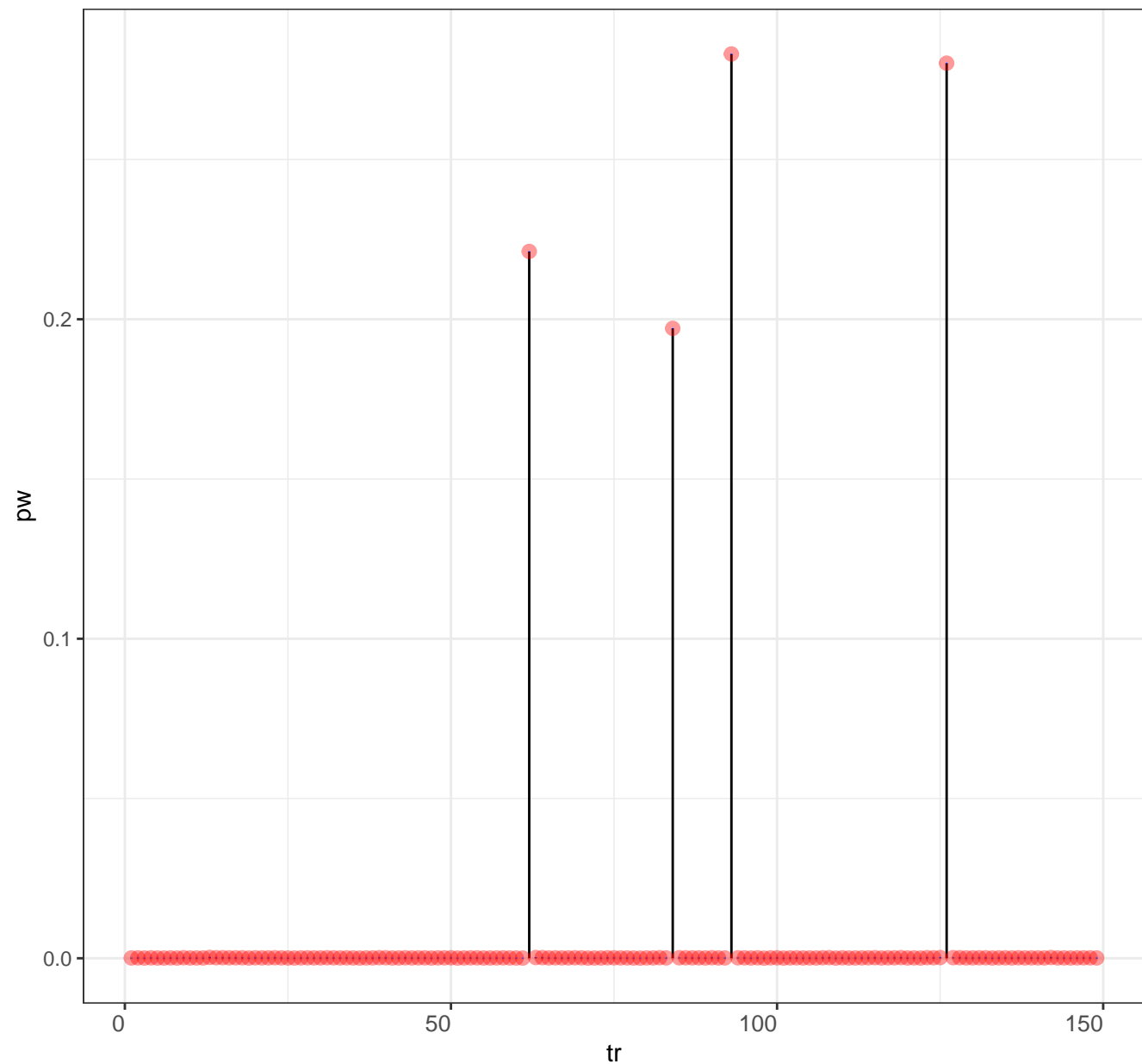
Posterior distribution for alpha

Legend posterior mean prior mean



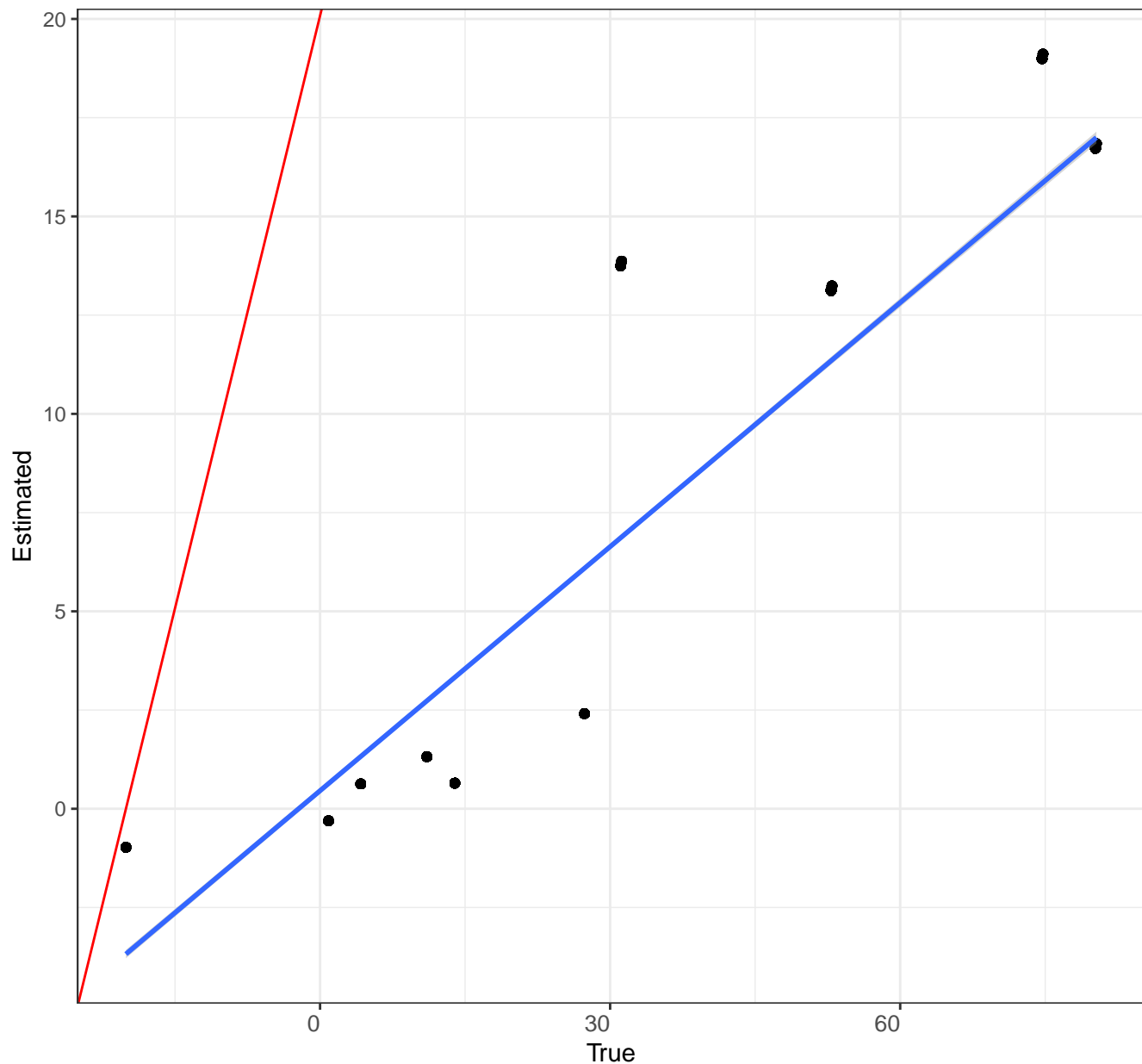
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=5 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=5$ true gr $K=4$,type=2 , $N=150$ $pN=0$



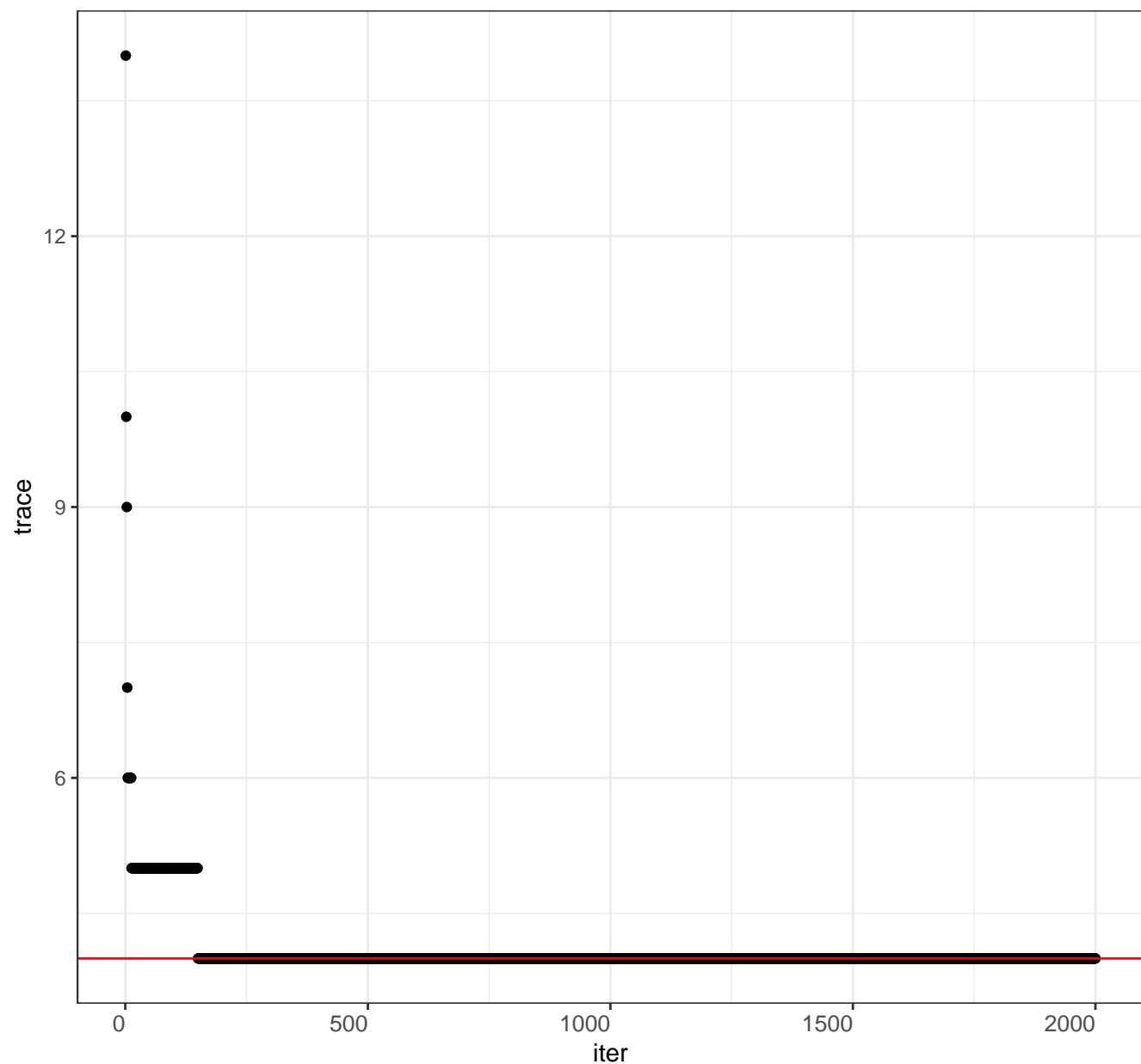
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=5 true K=4 type=2

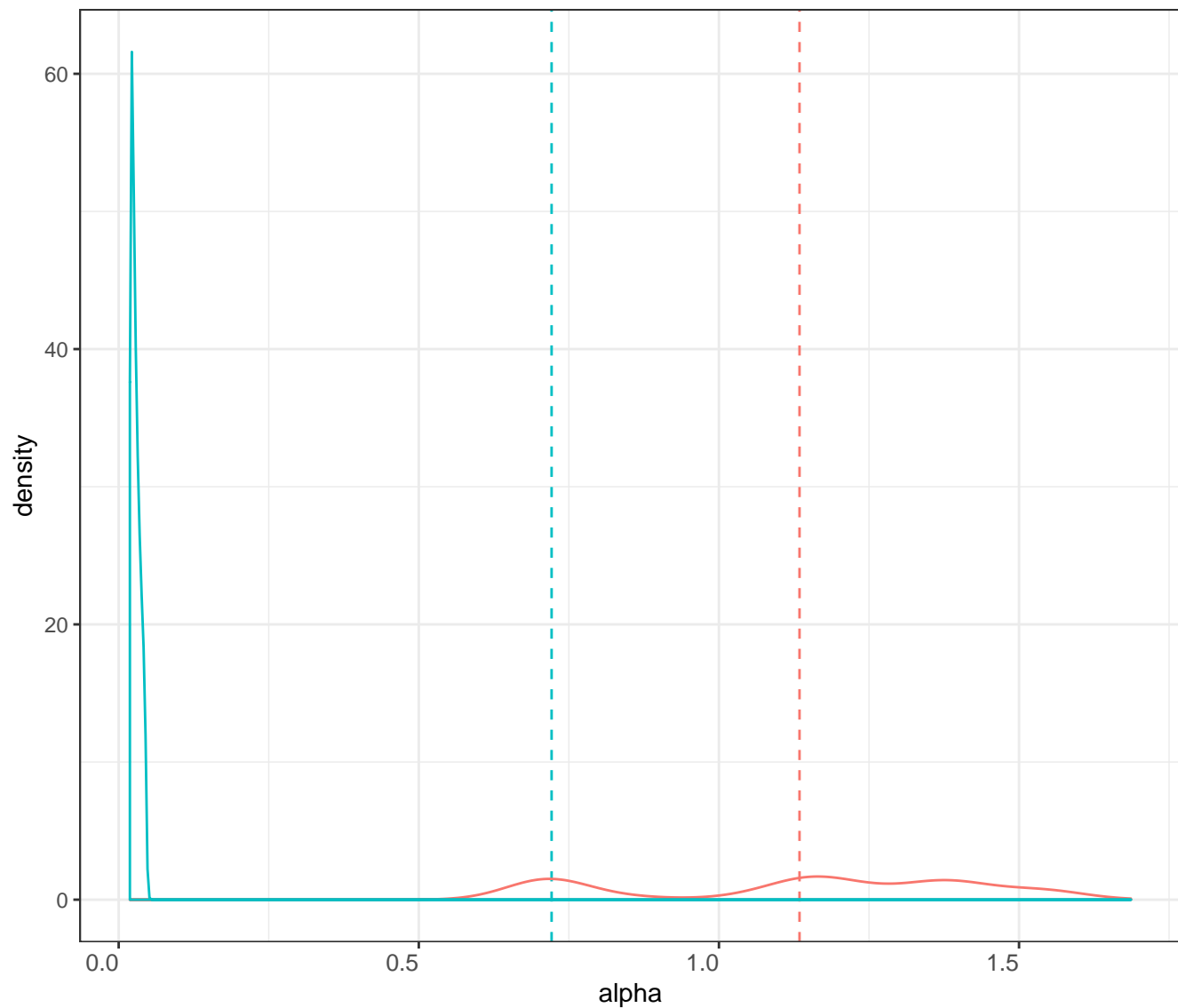
Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

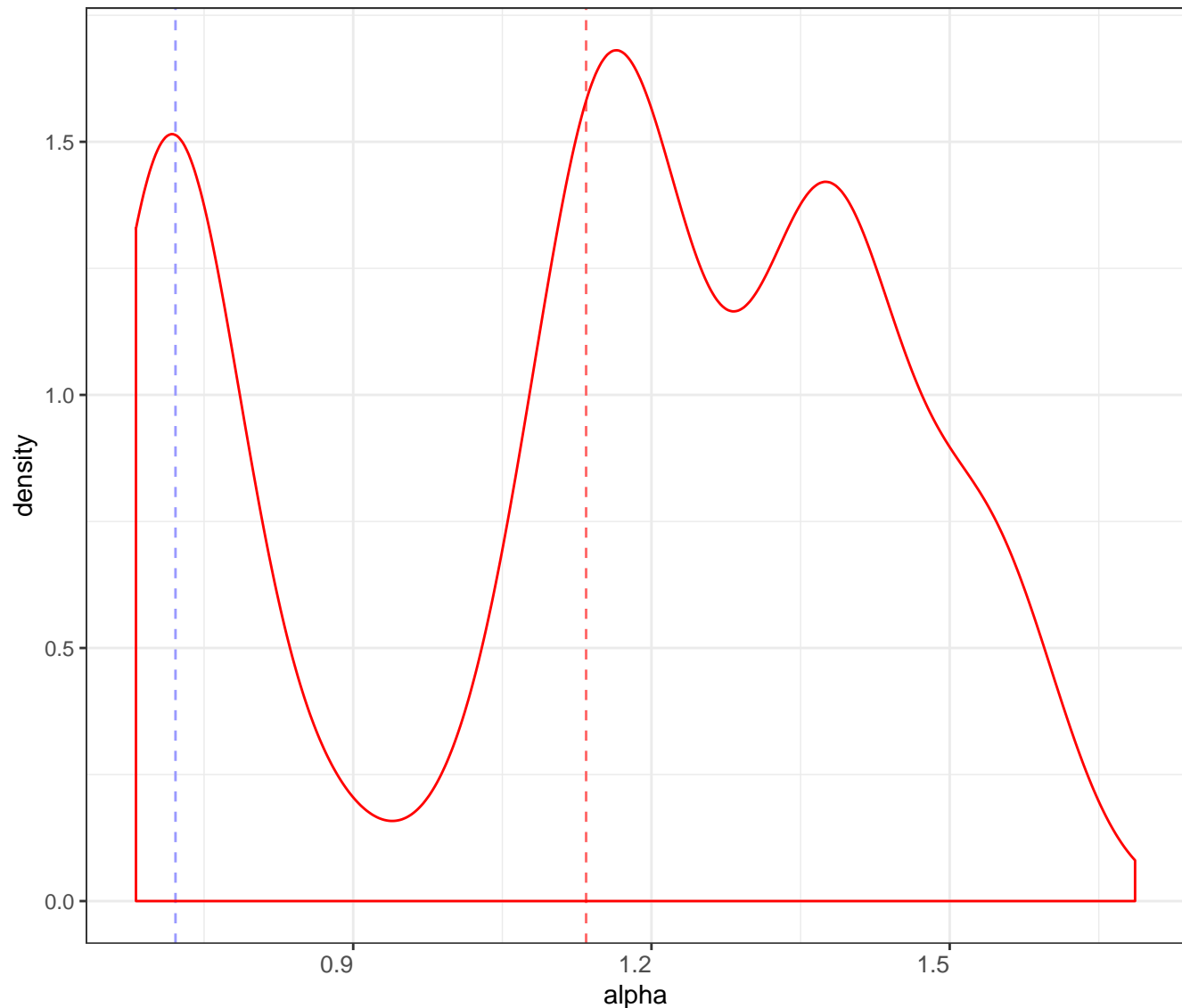
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

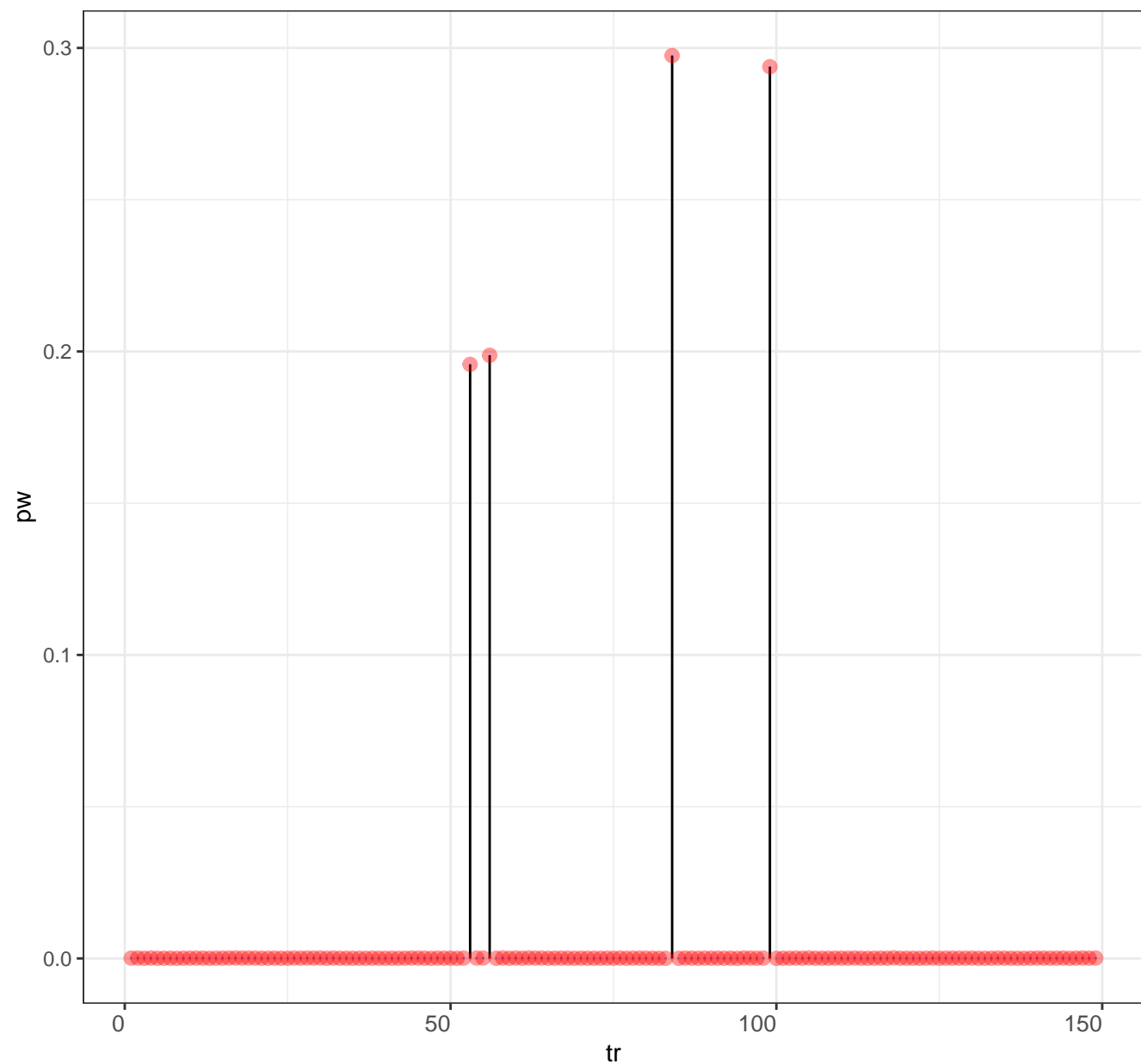
Posterior distribution for alpha

Legend posterior mean prior mean



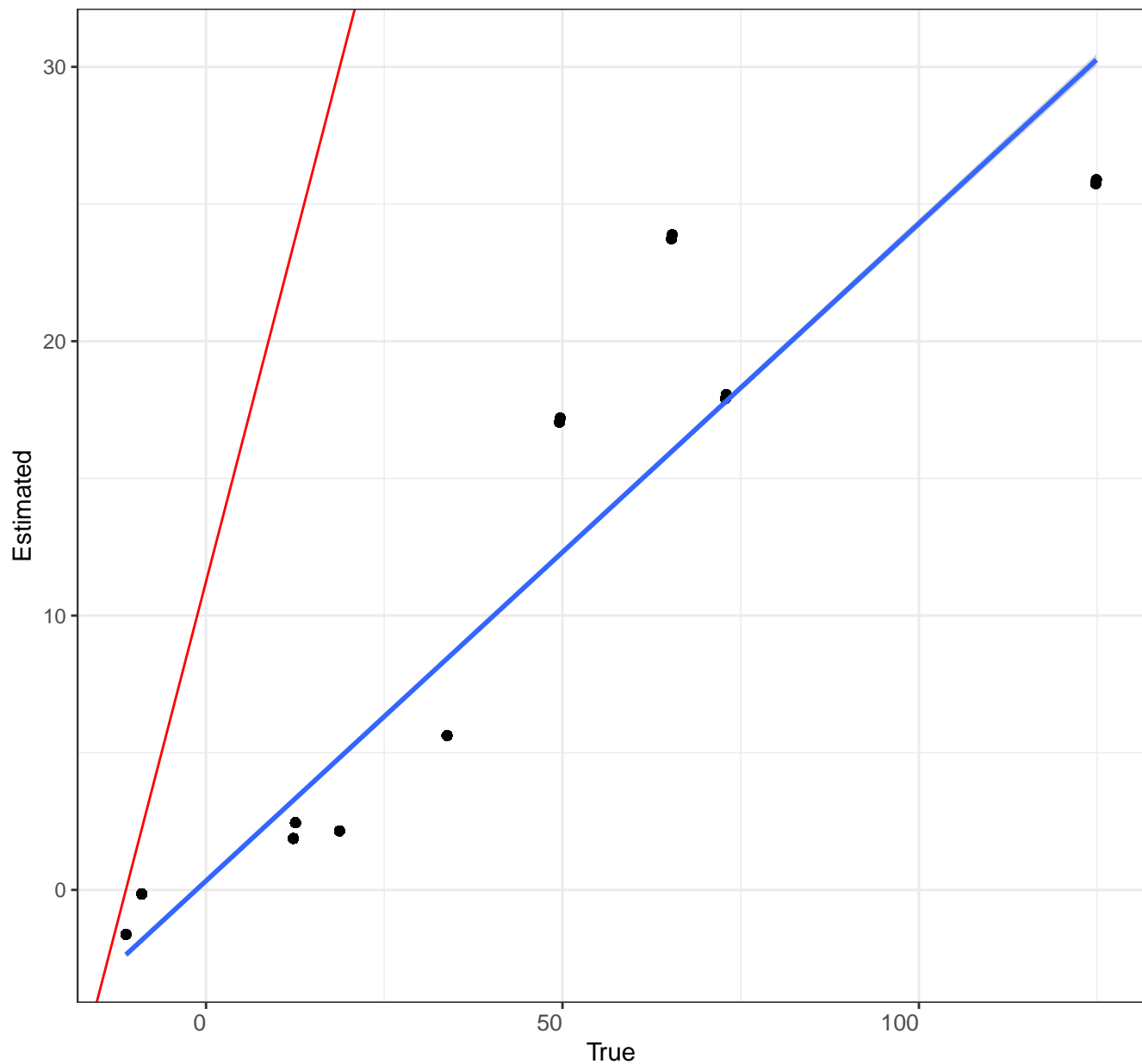
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



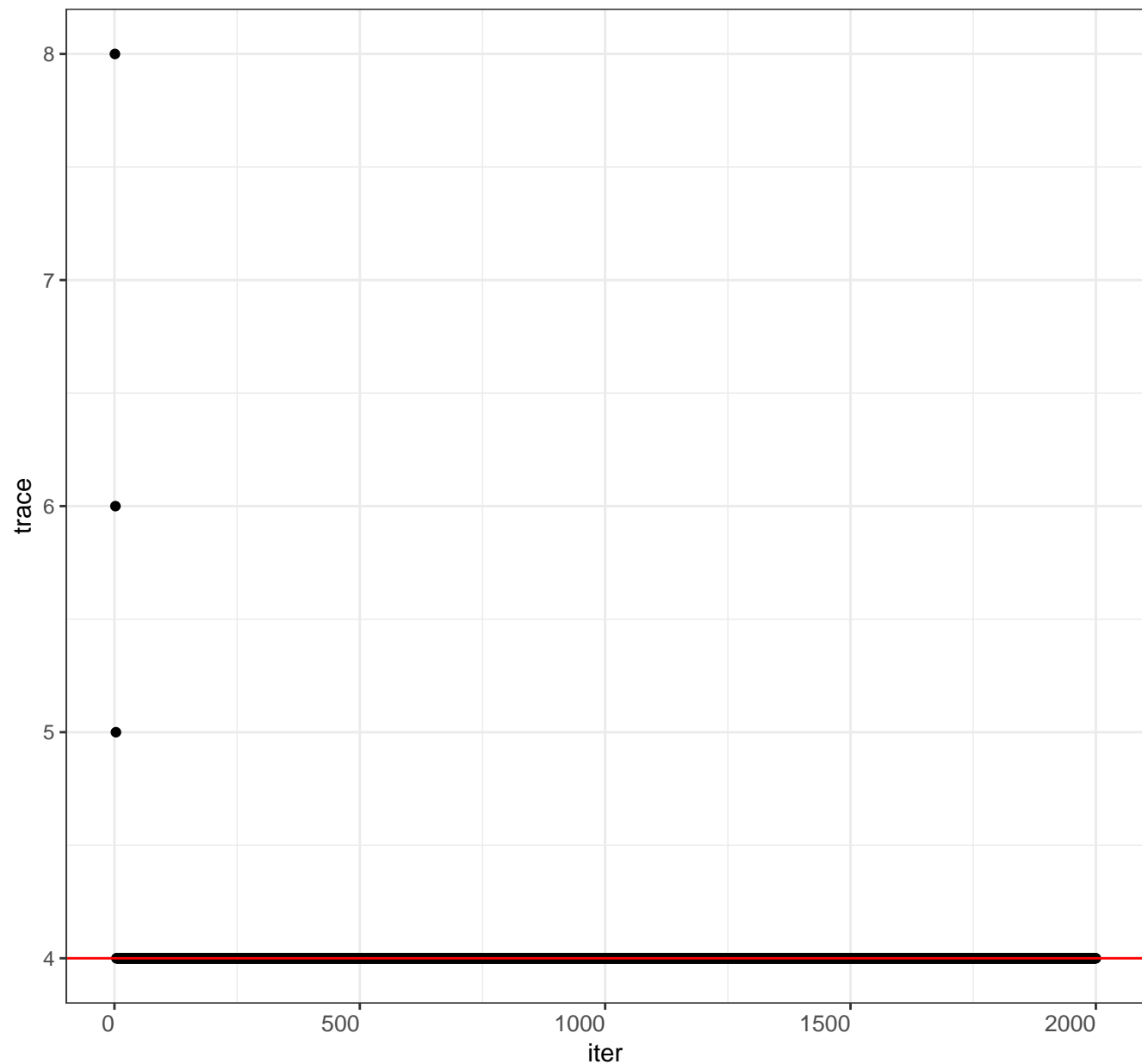
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=10 true K=4 type=2

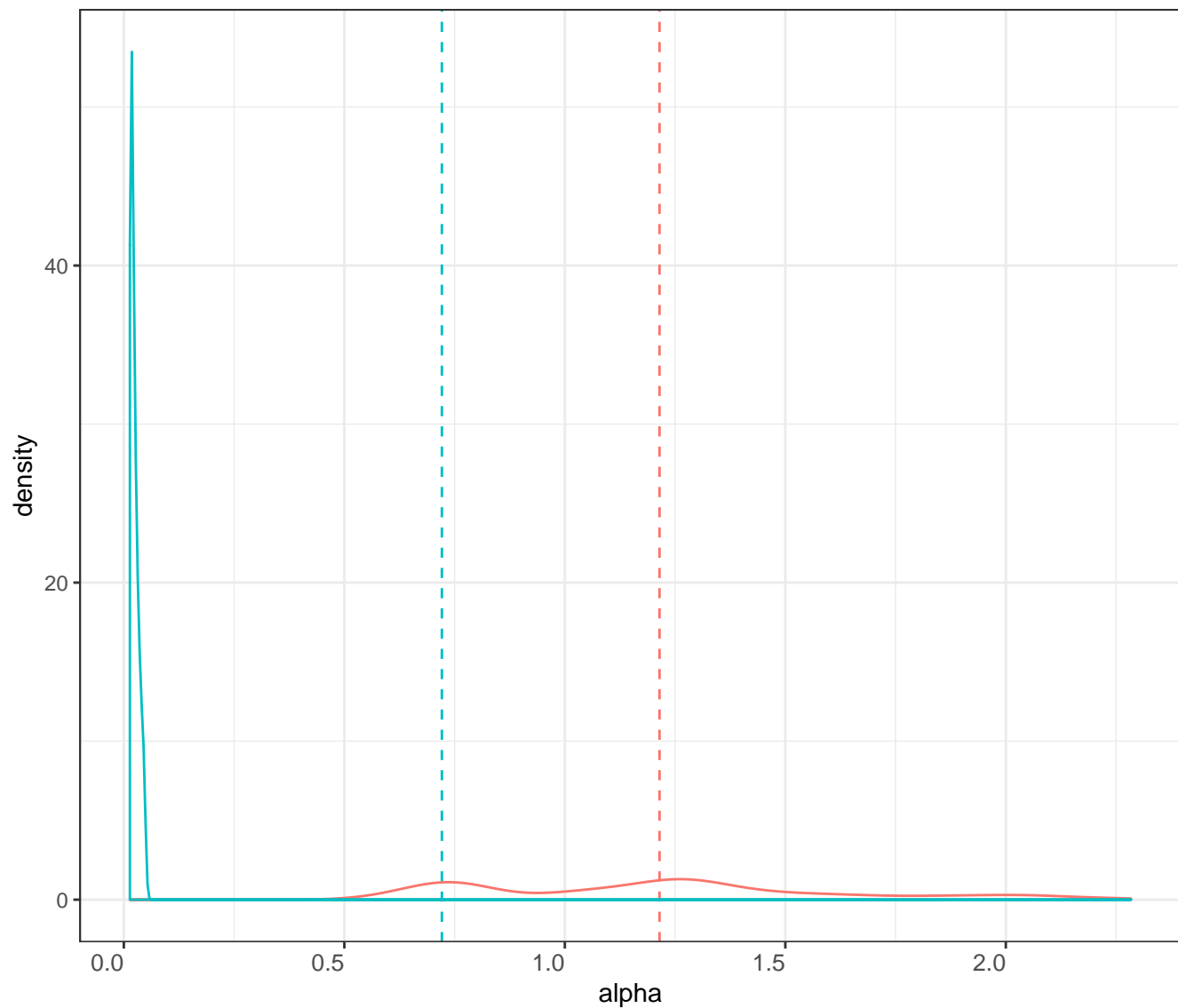
Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

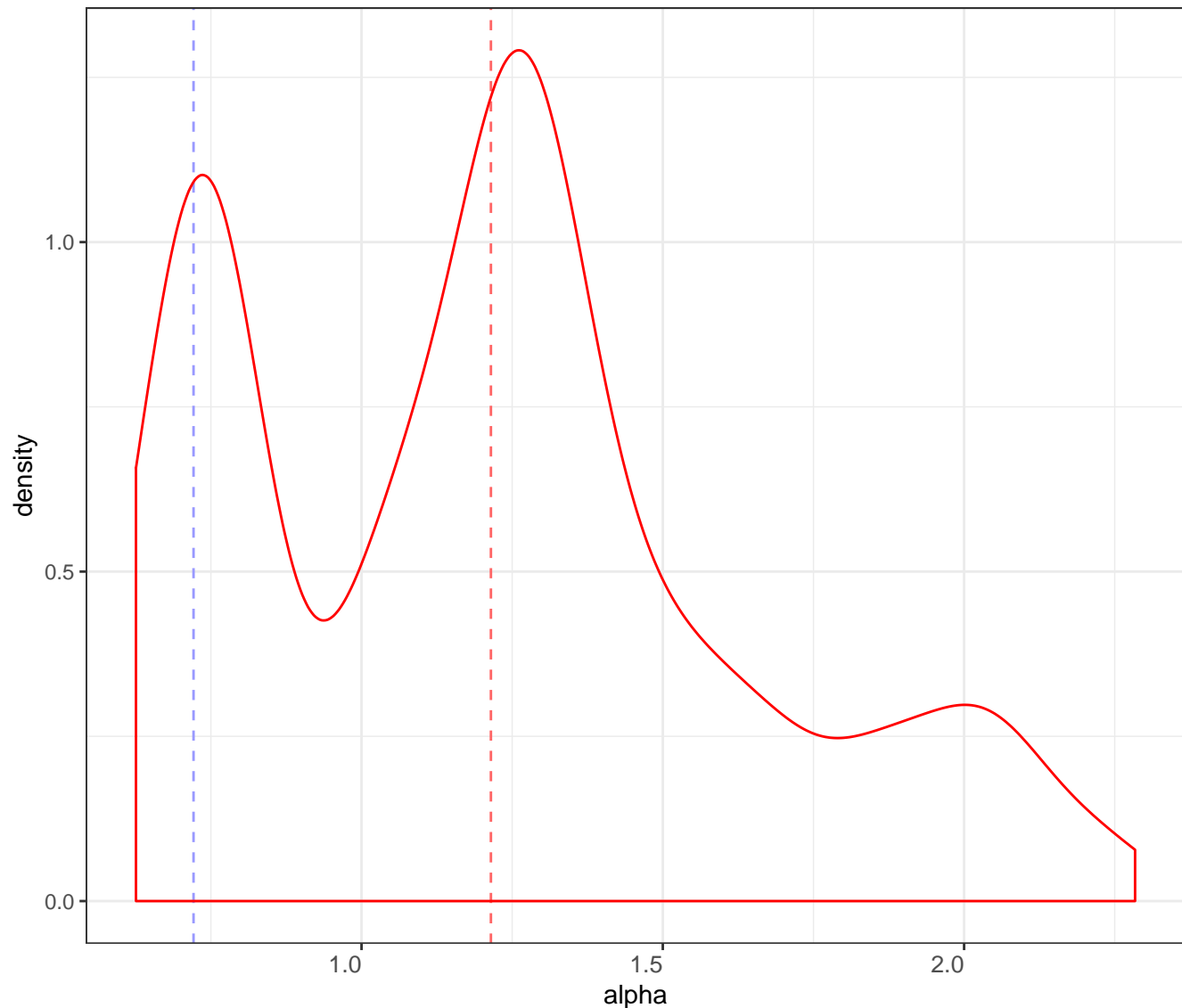
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

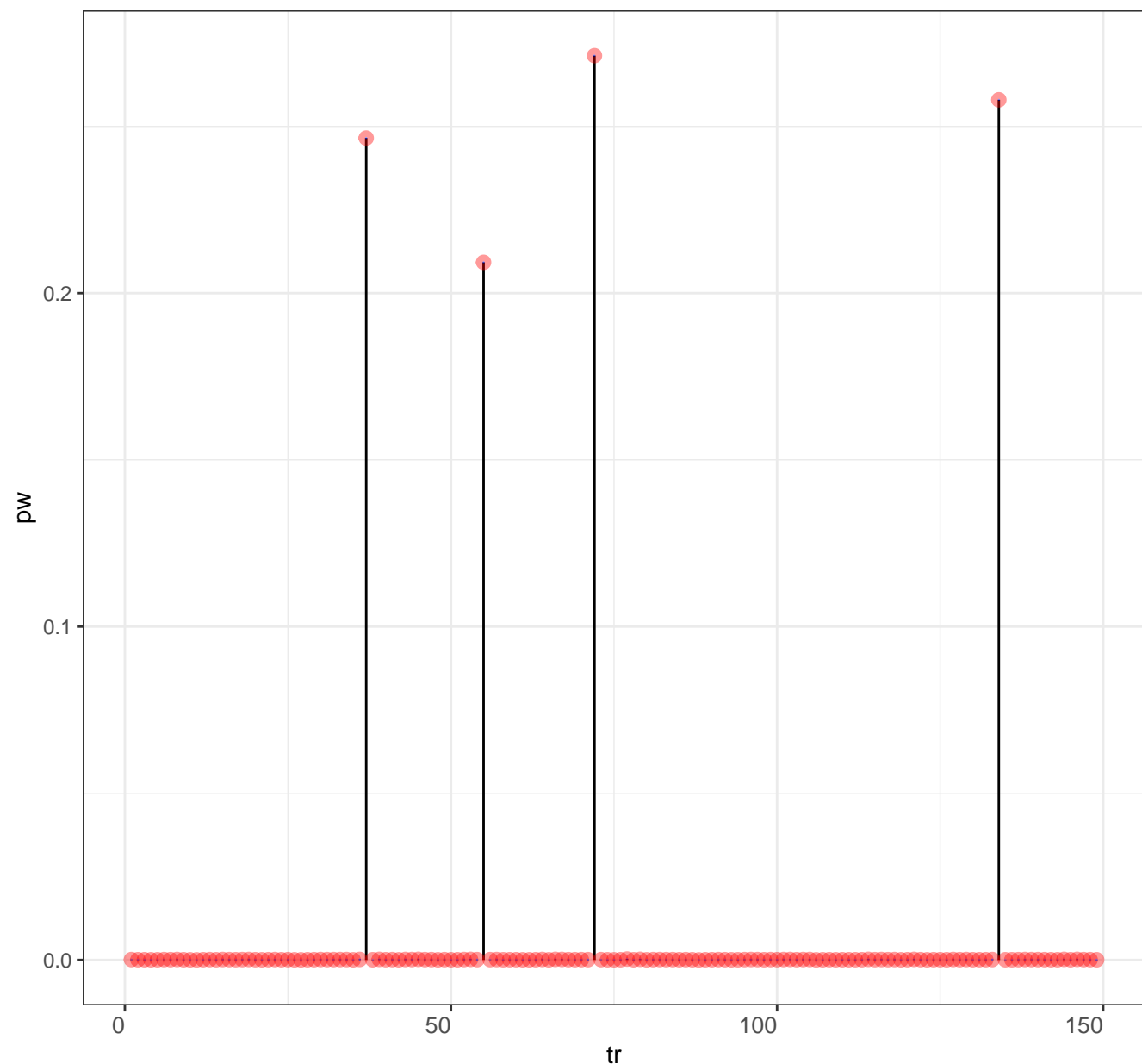
Posterior distribution for alpha

Legend posterior mean prior mean



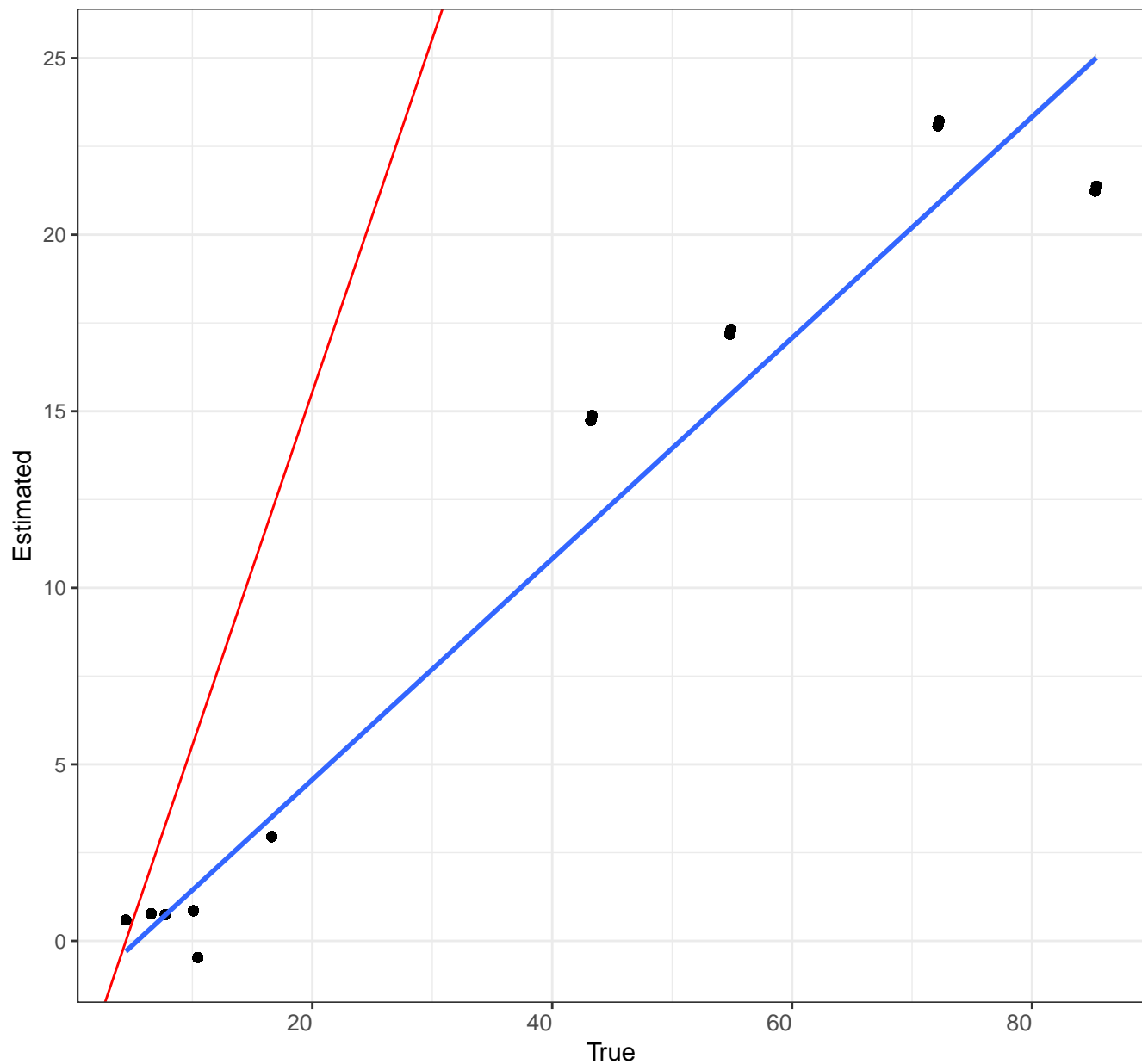
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



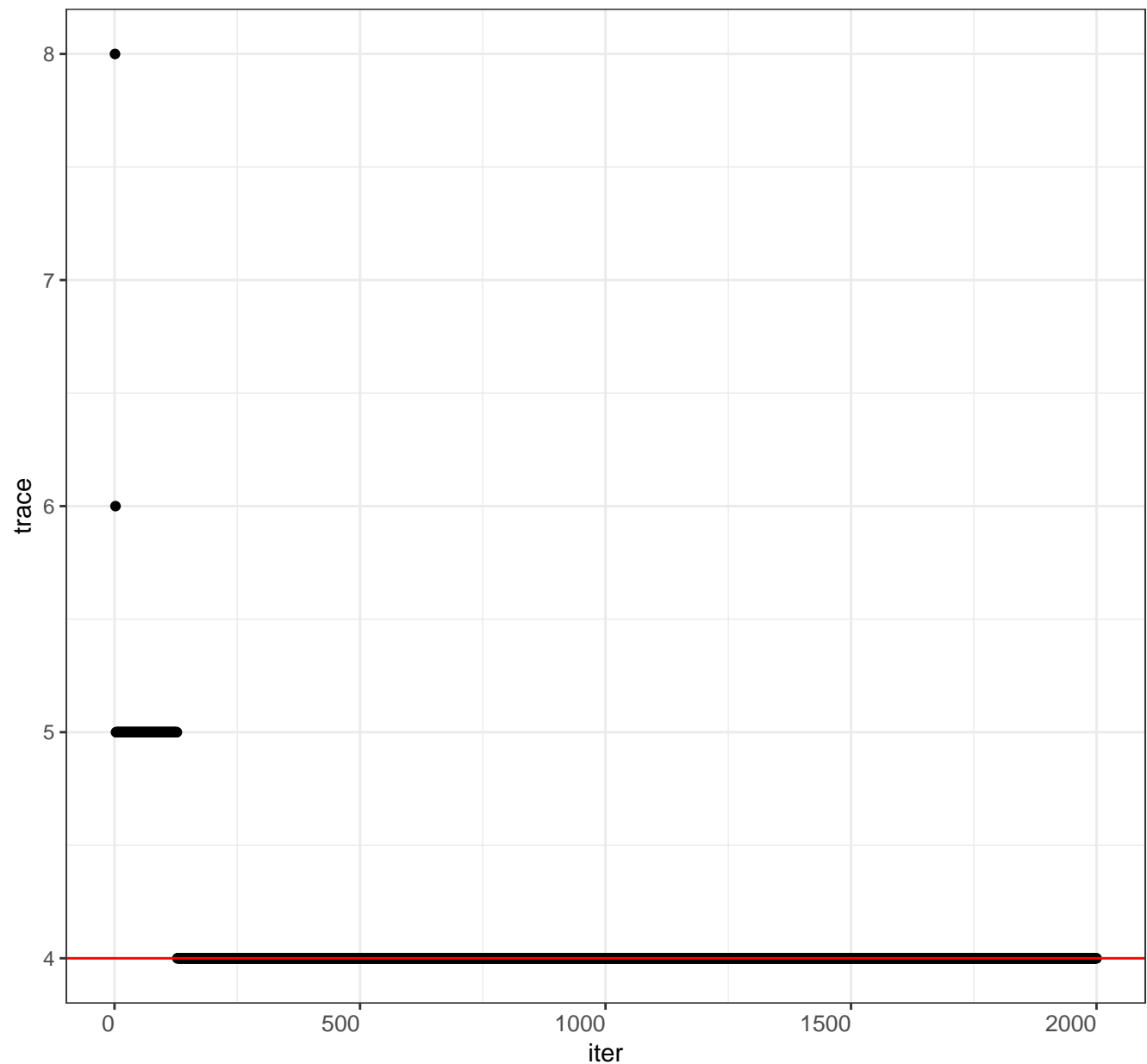
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=10 true K=4 type=2

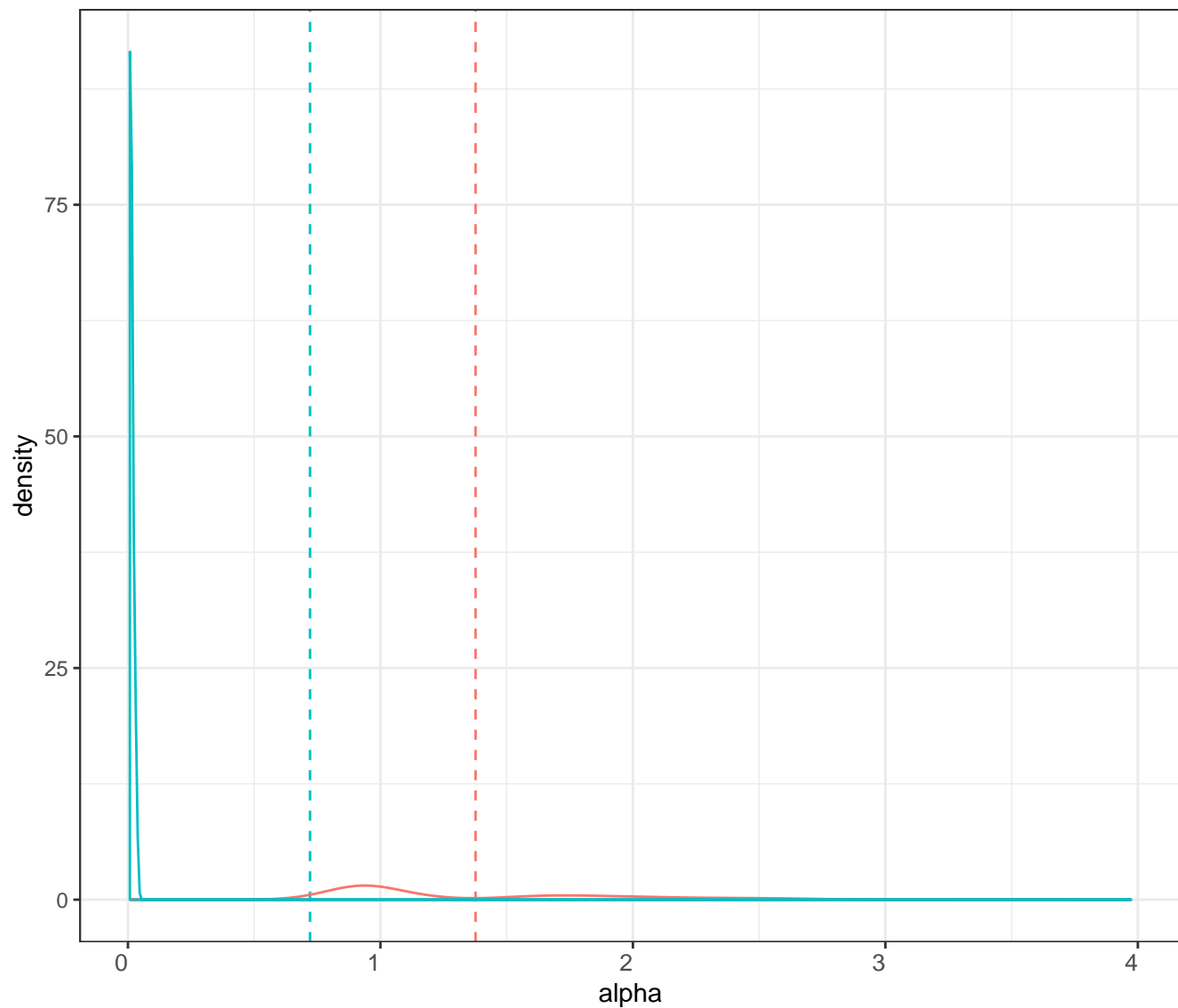
Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

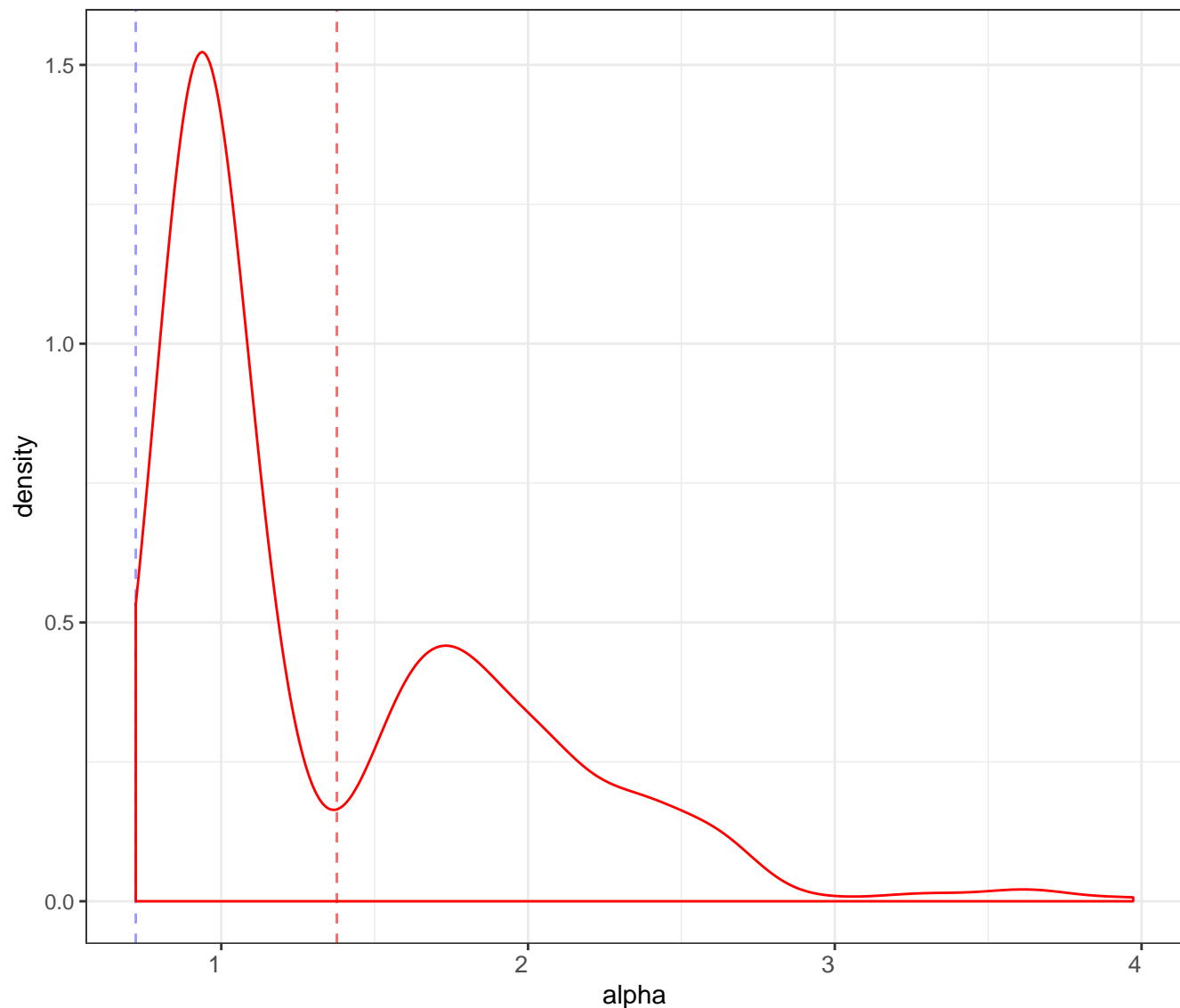
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

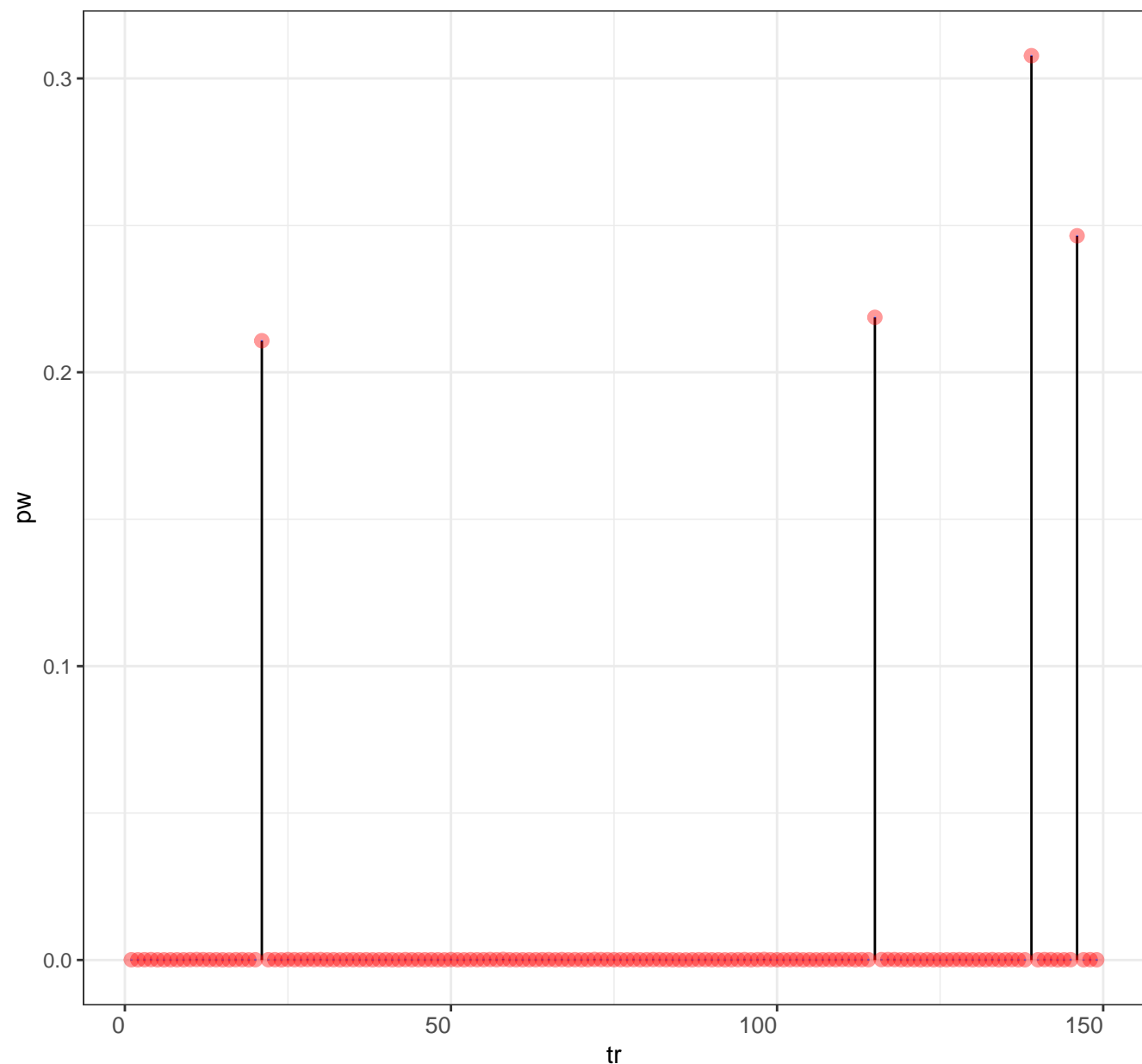
Posterior distribution for alpha

Legend posterior mean prior mean



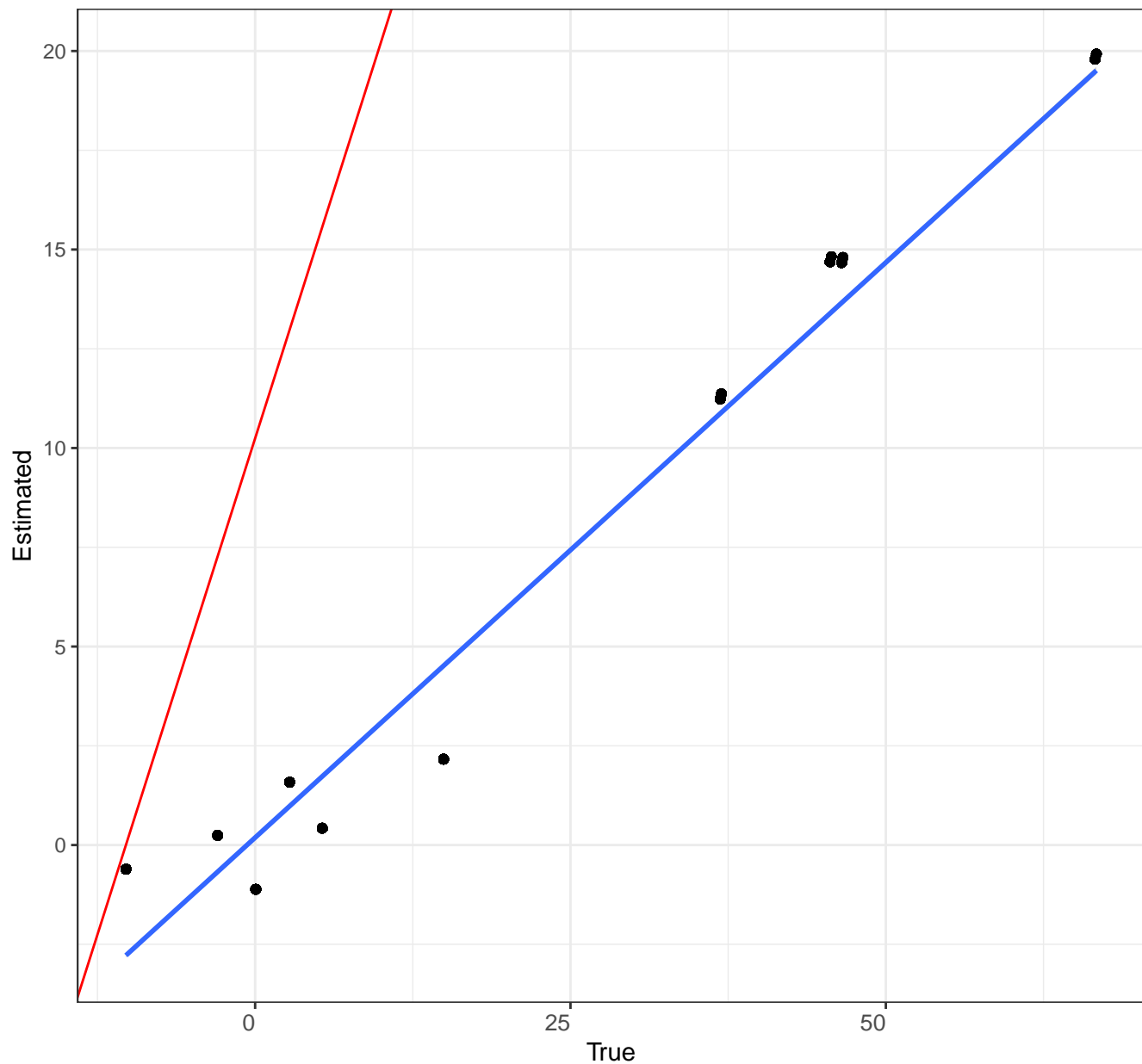
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



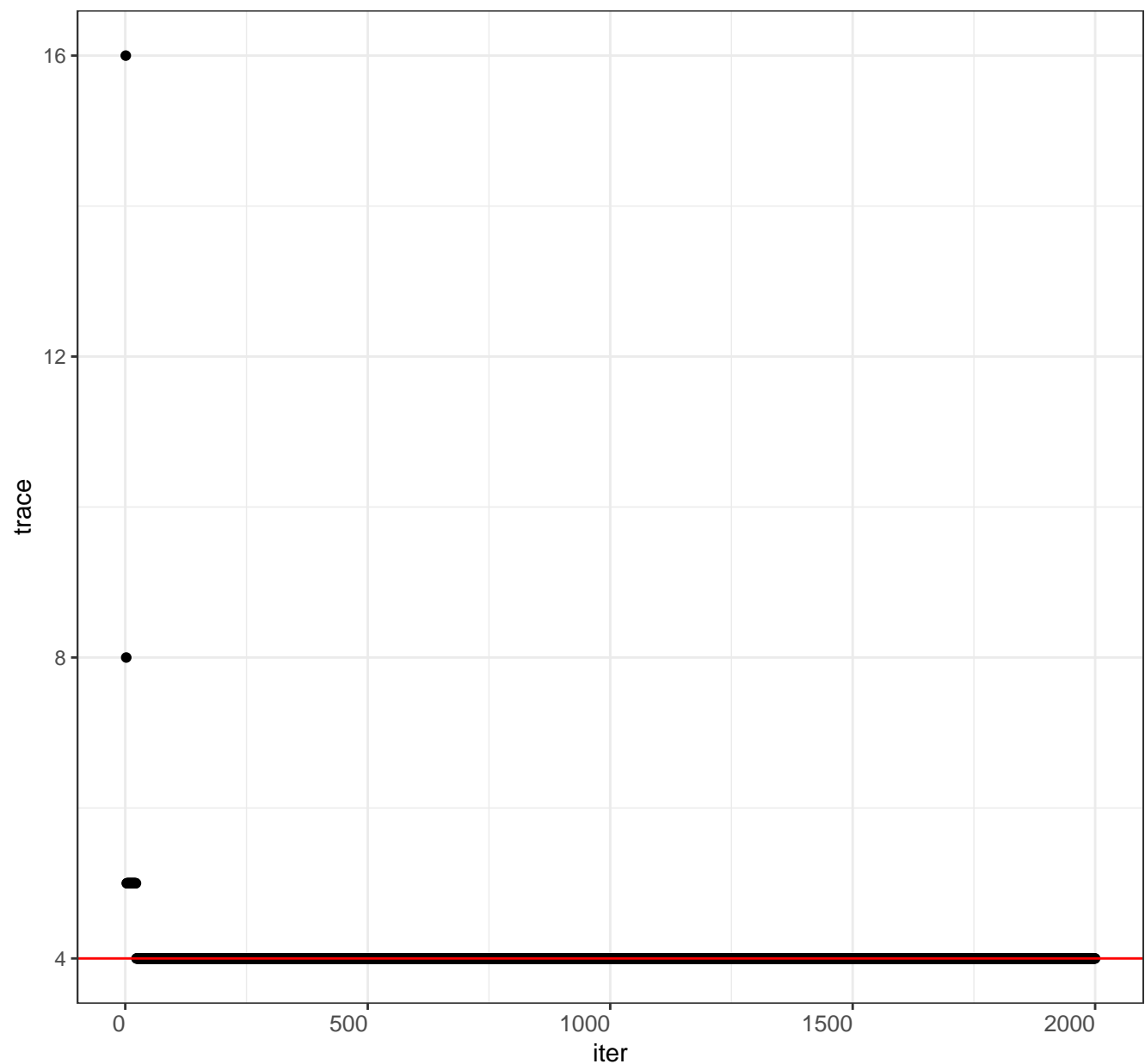
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





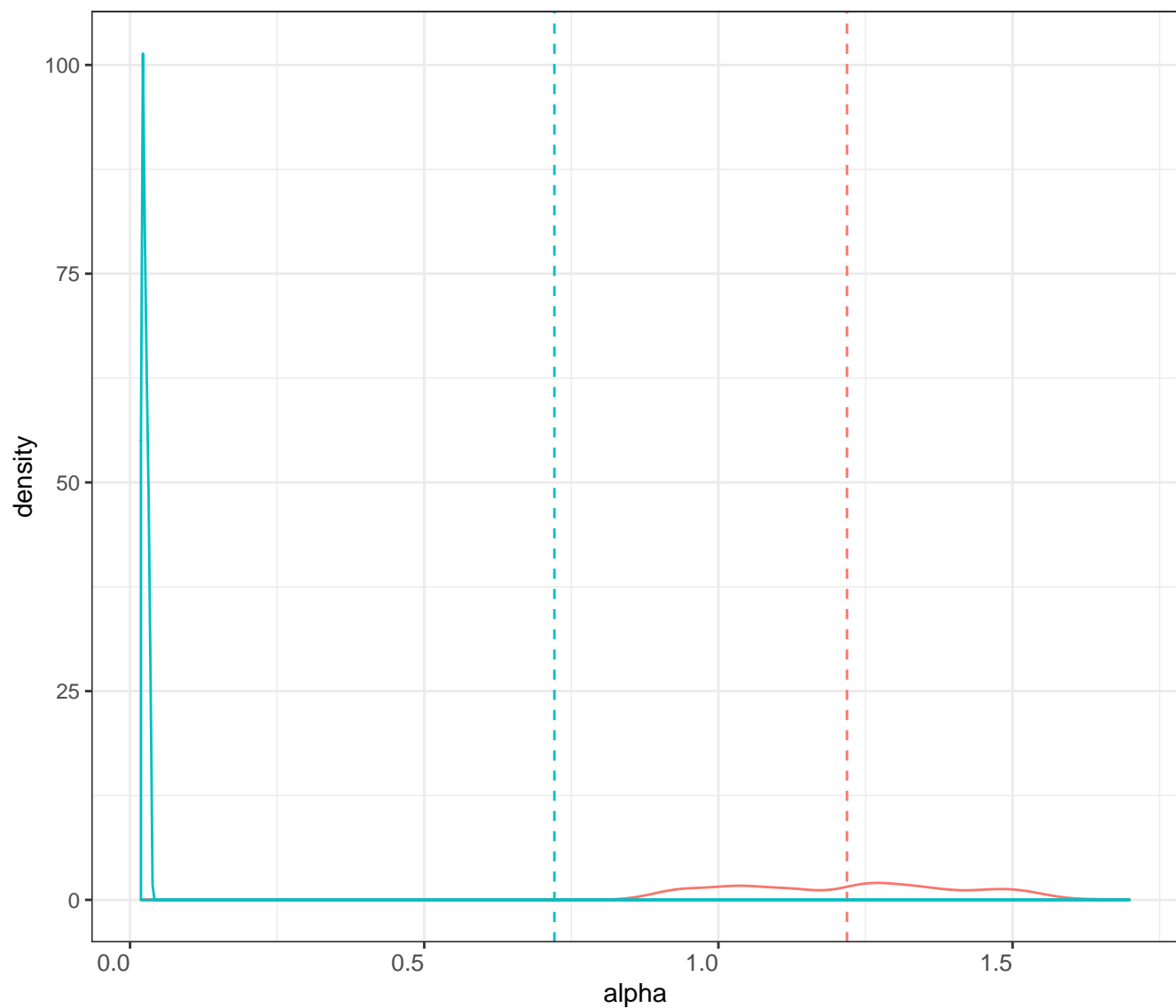
Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=10 true K=4 type=2

Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

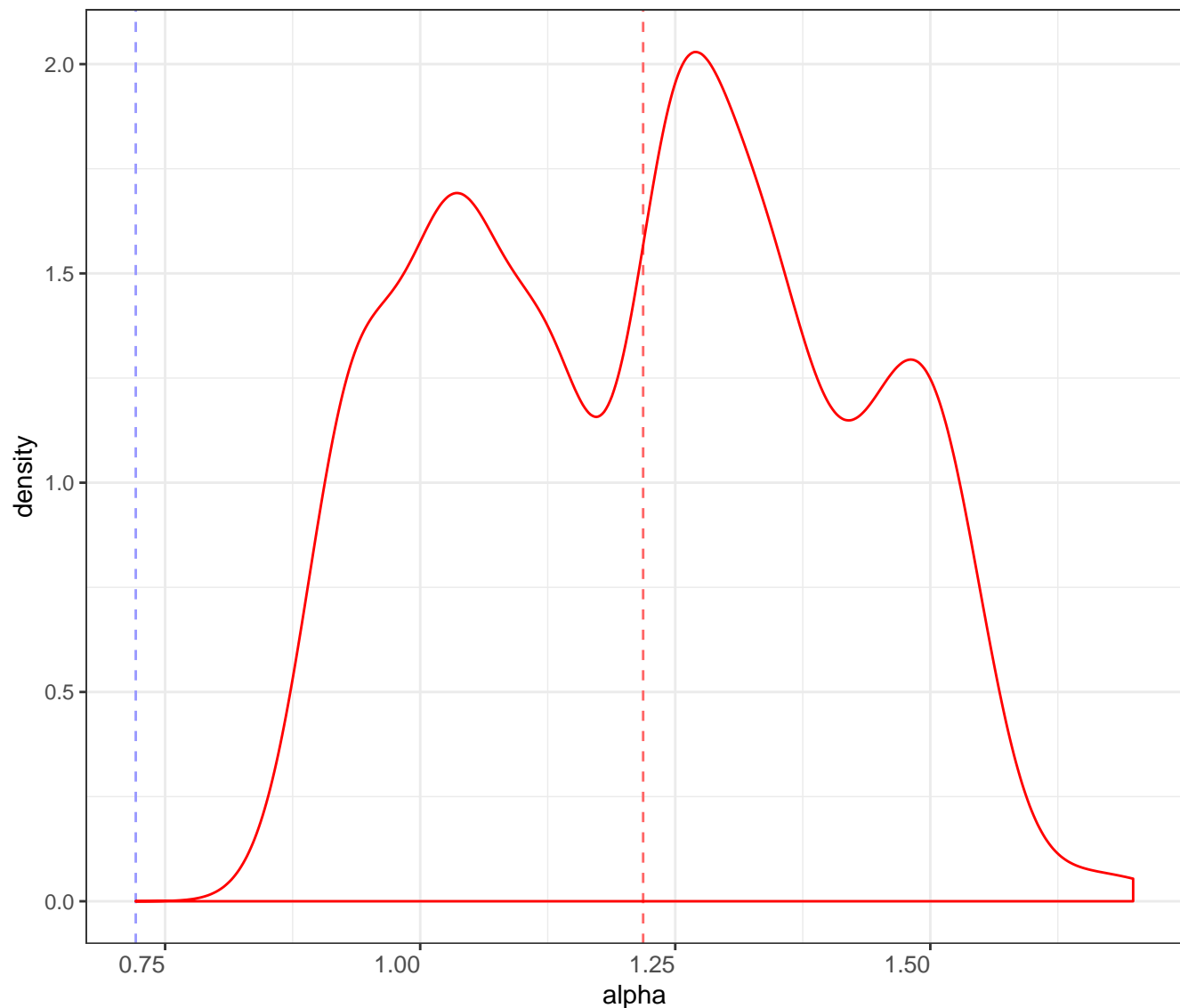
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

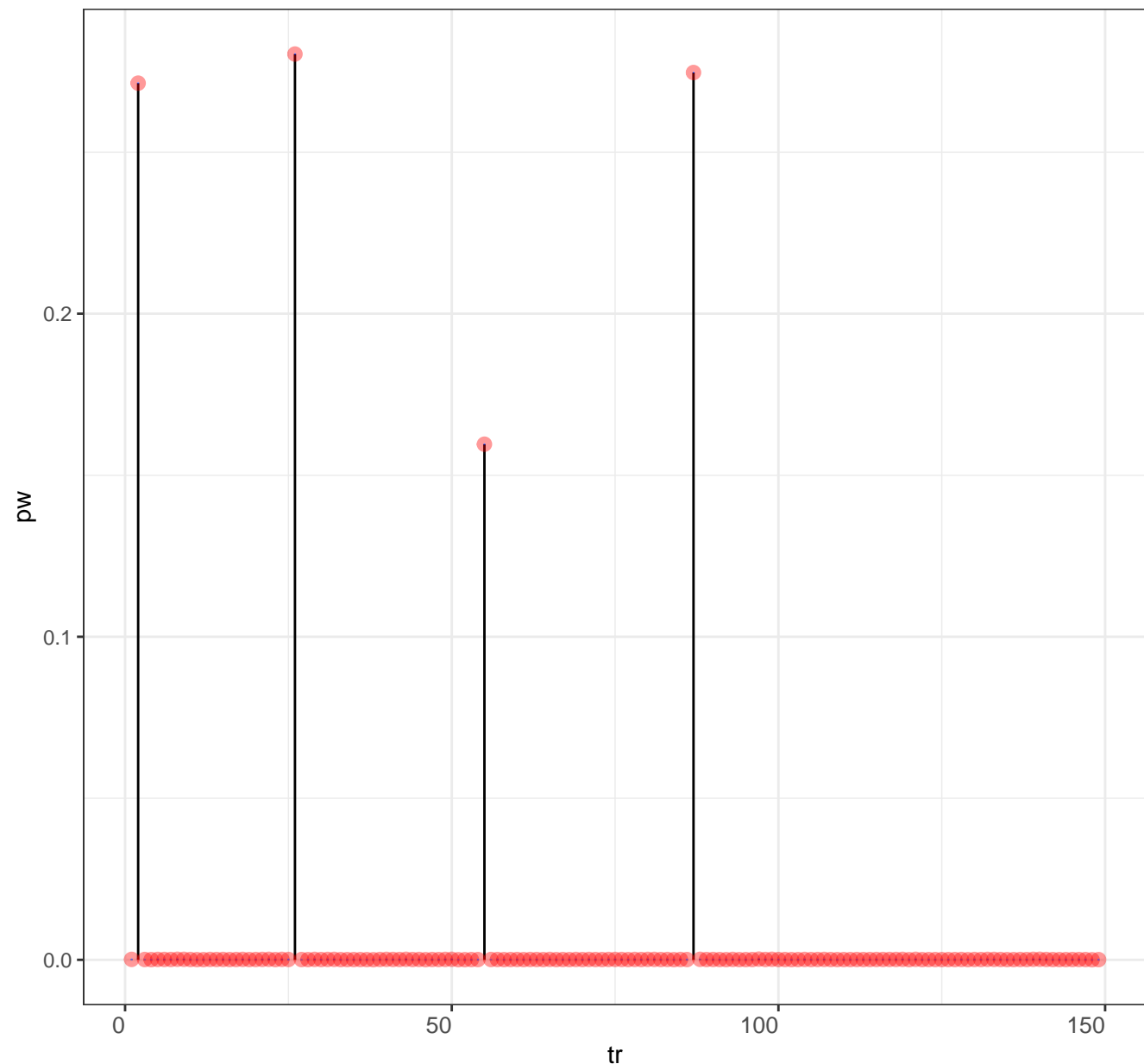
Posterior distribution for alpha

Legend posterior mean prior mean



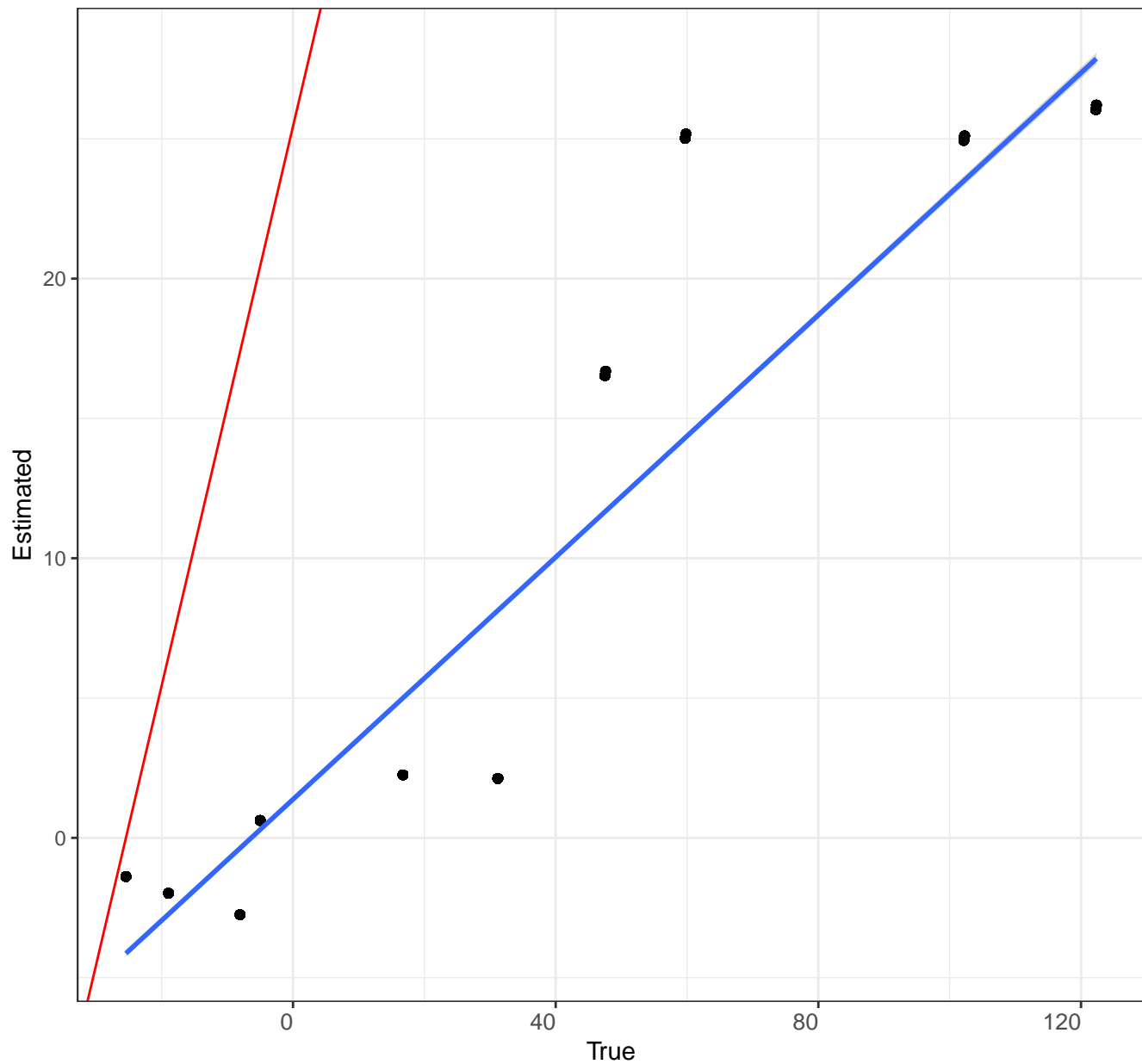
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



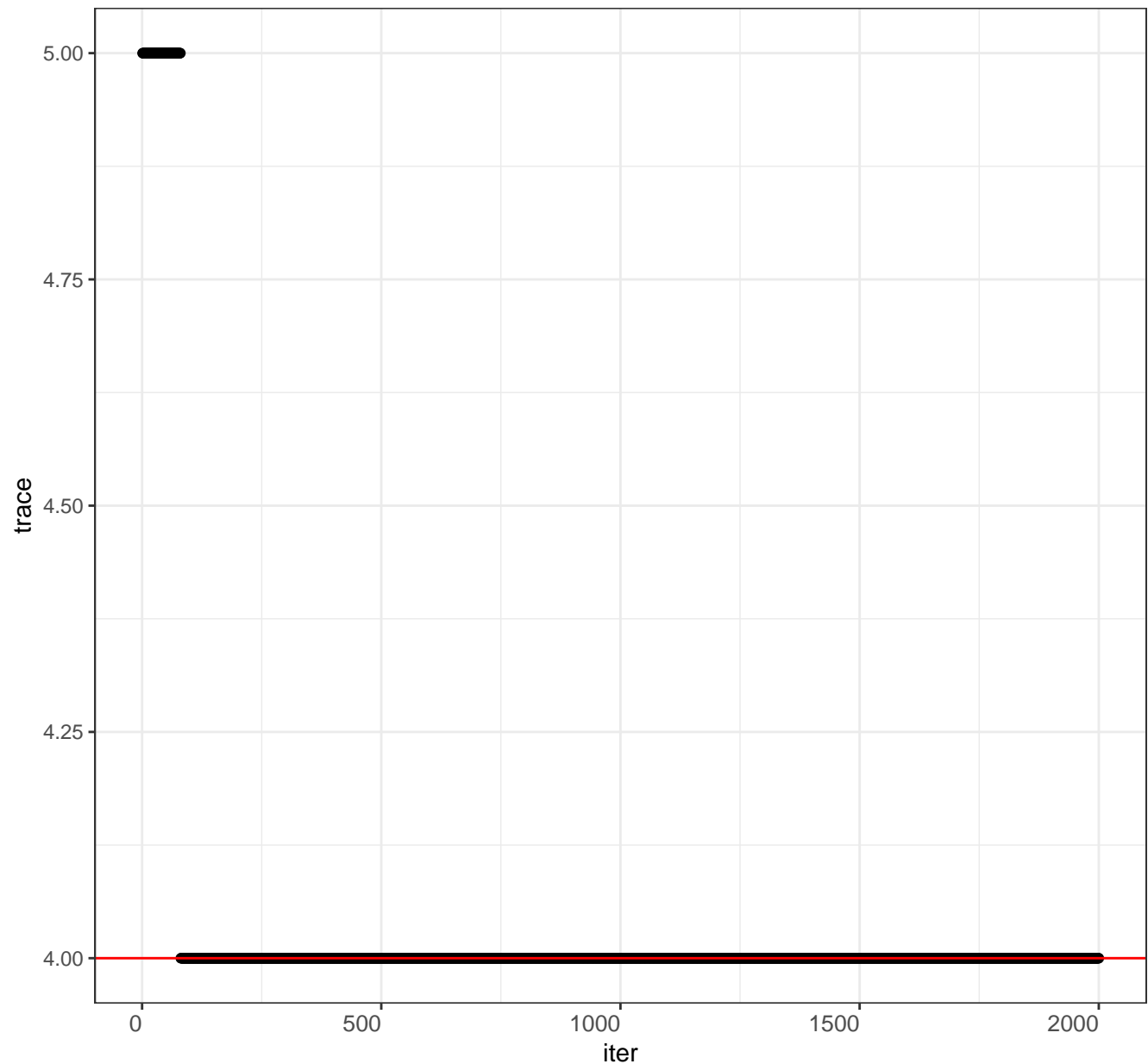
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=10 true K=4 type=2

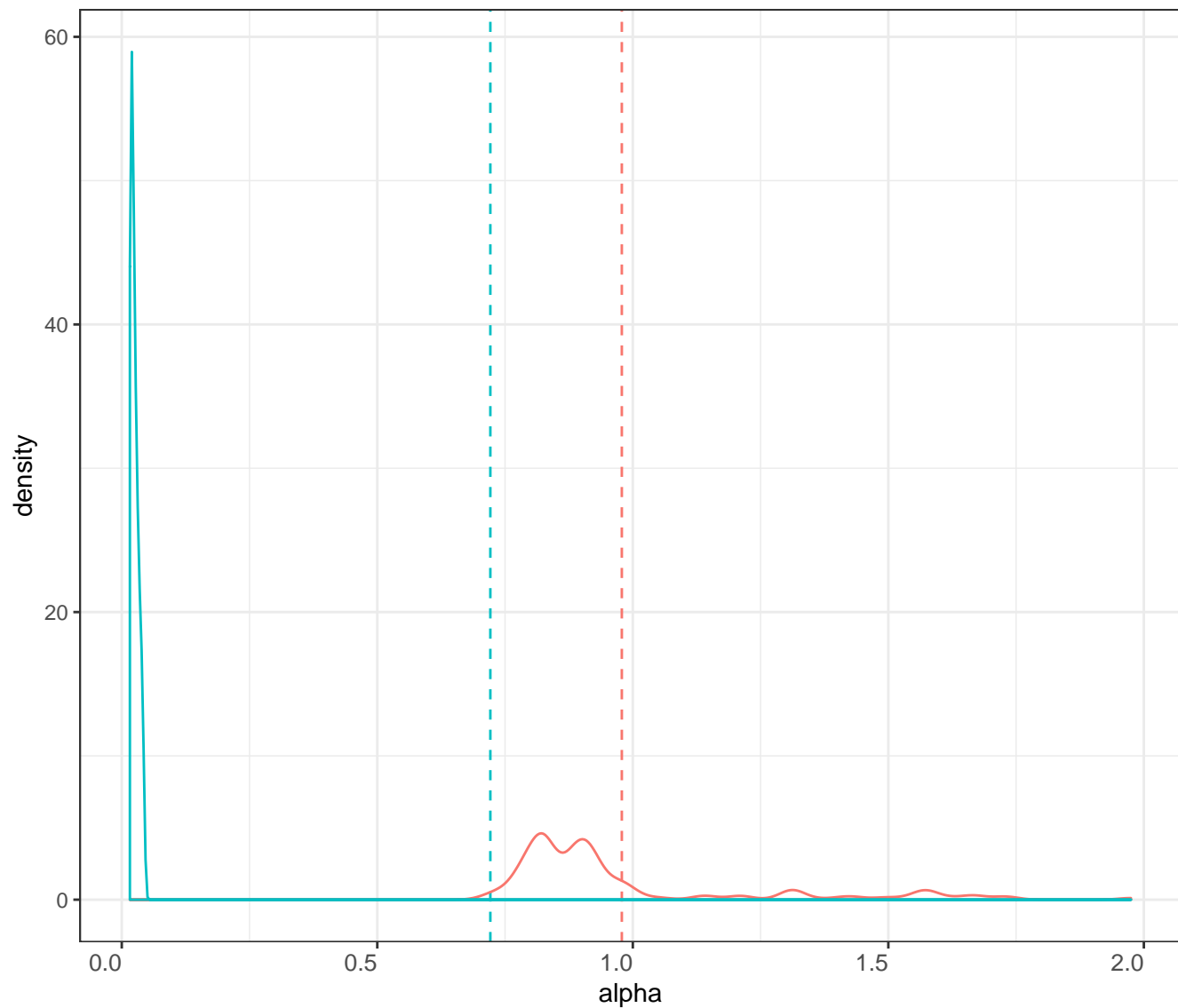
Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

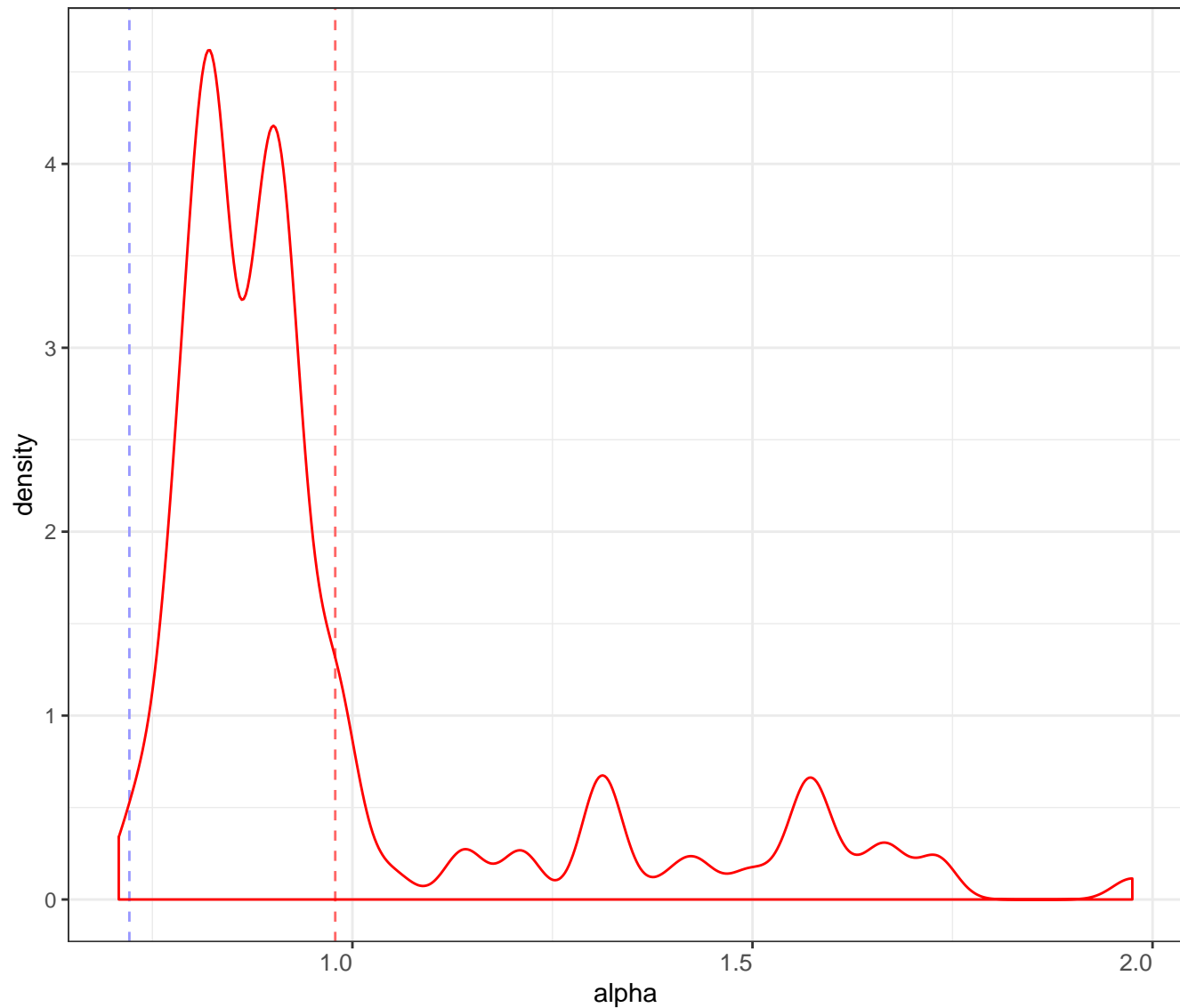
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

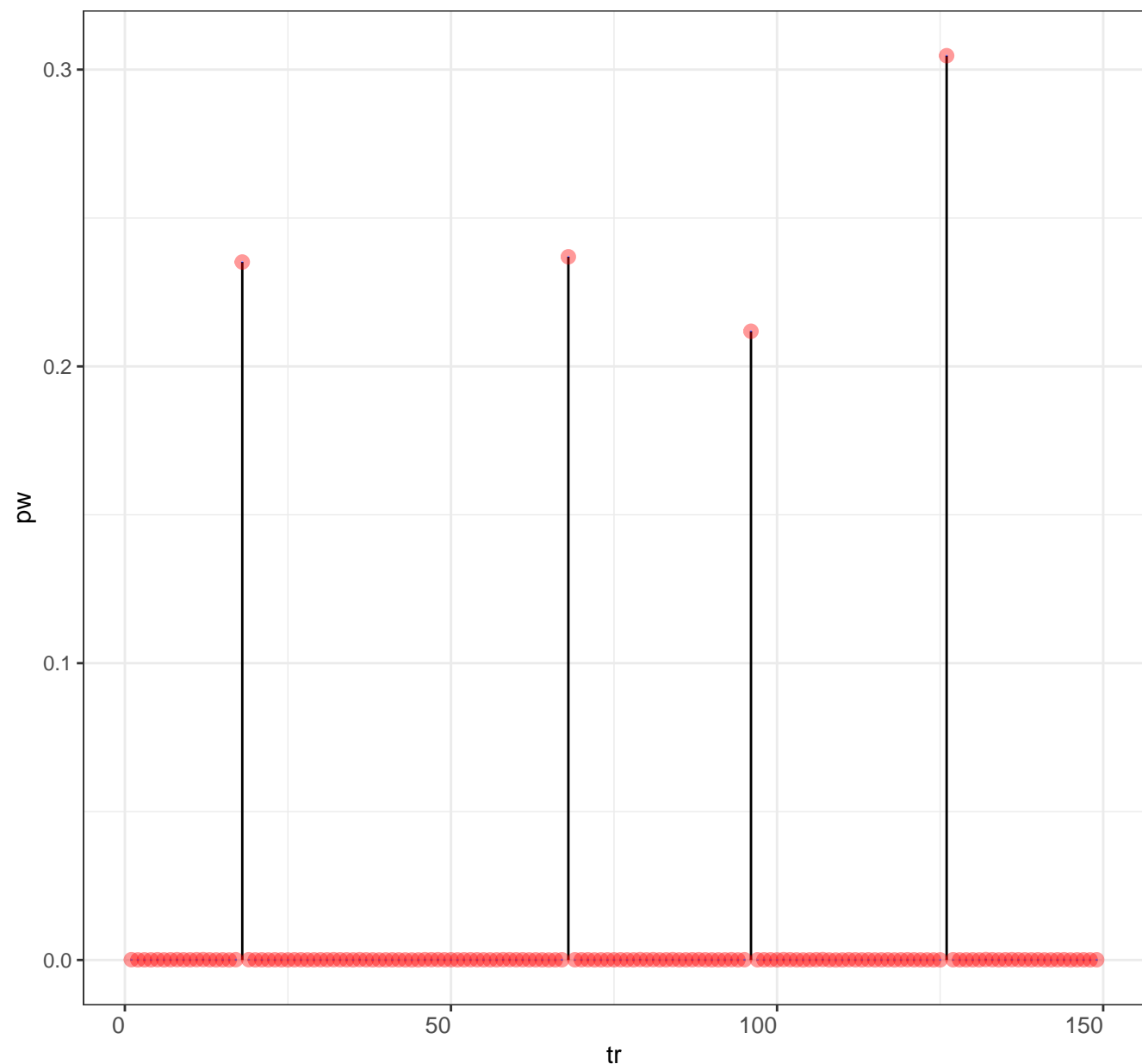
Posterior distribution for alpha

Legend posterior mean prior mean



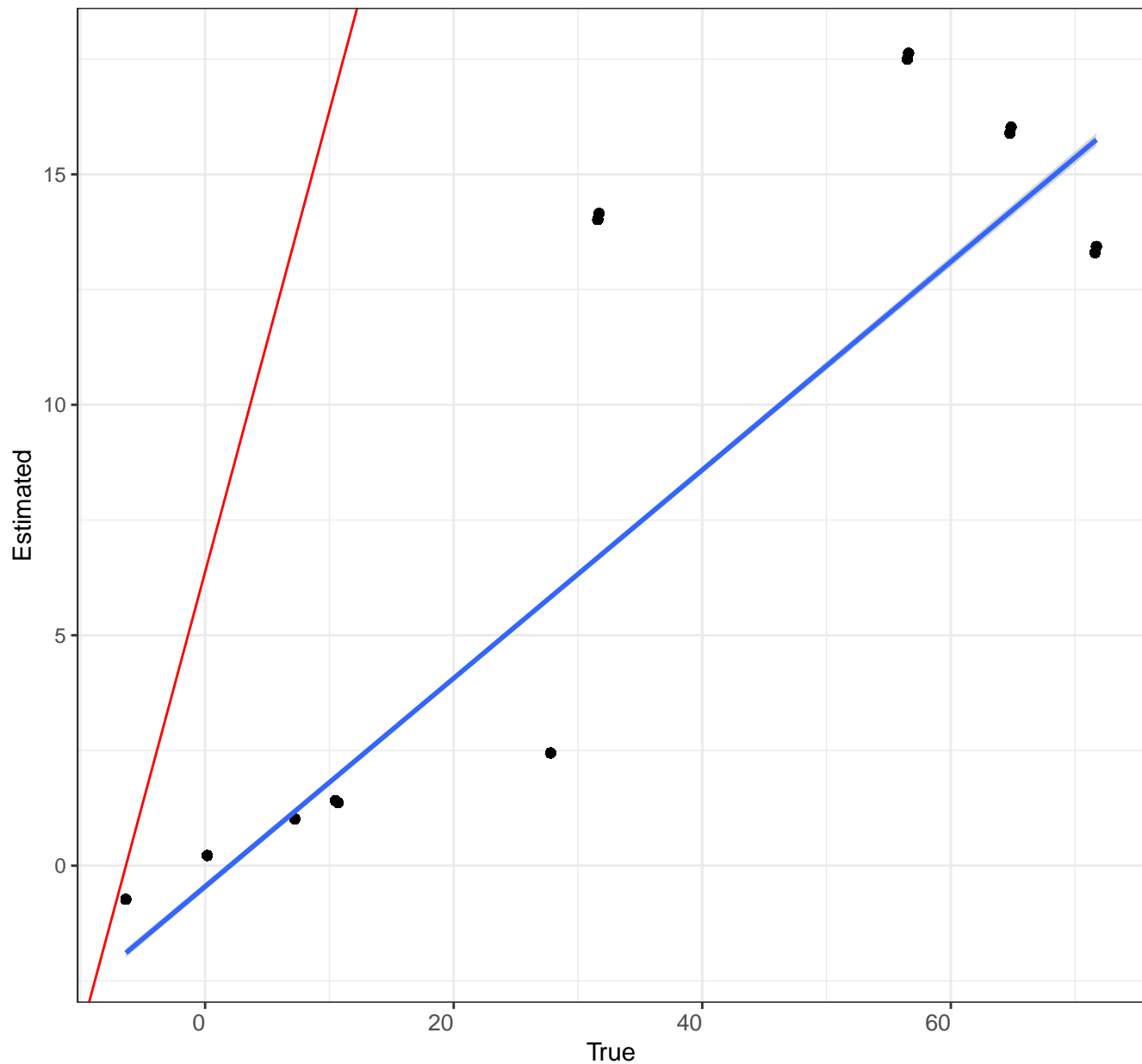
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



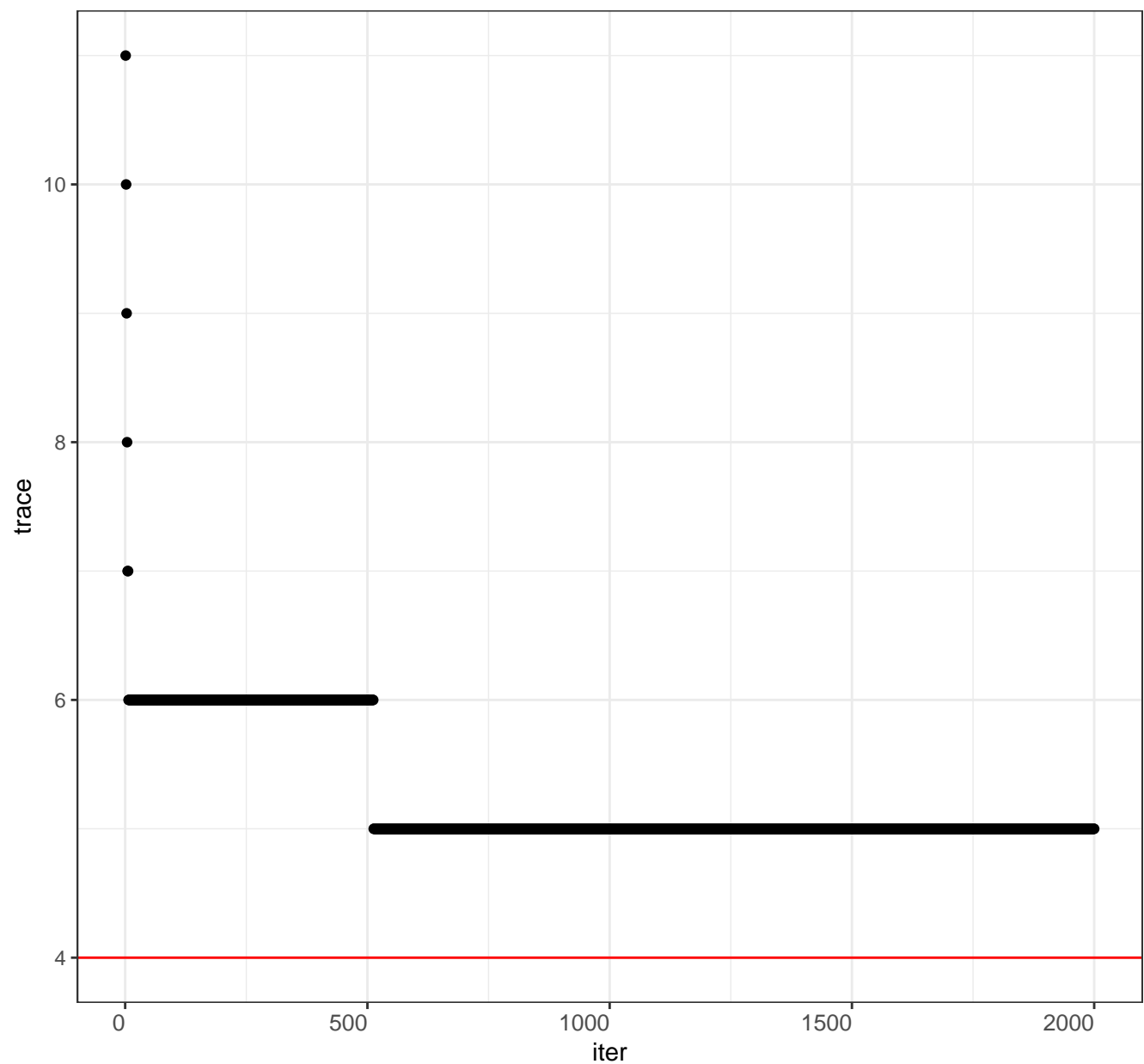
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=10 true K=4 type=2

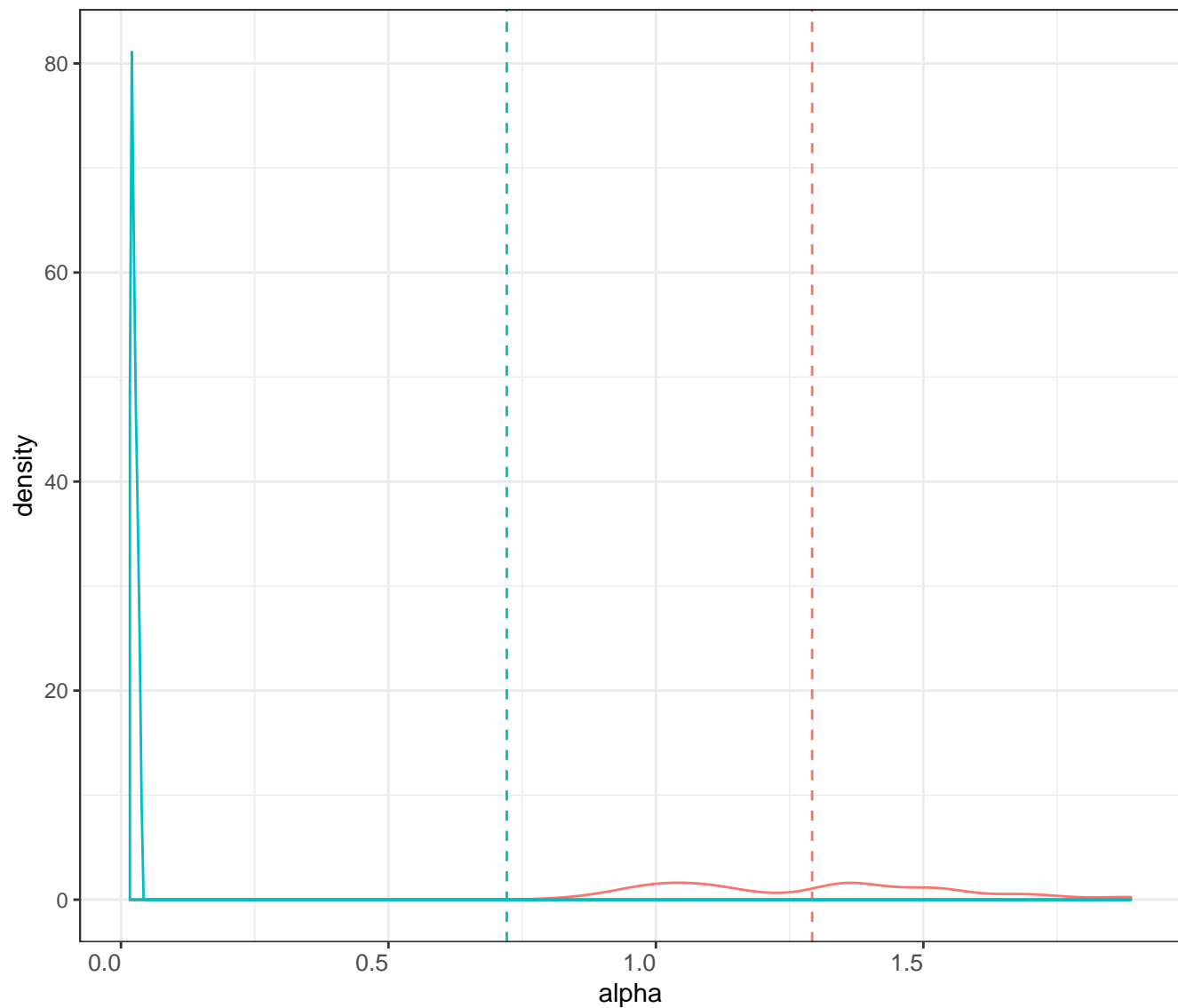
Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000 number of samples: 500

Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

type  posterior  prior



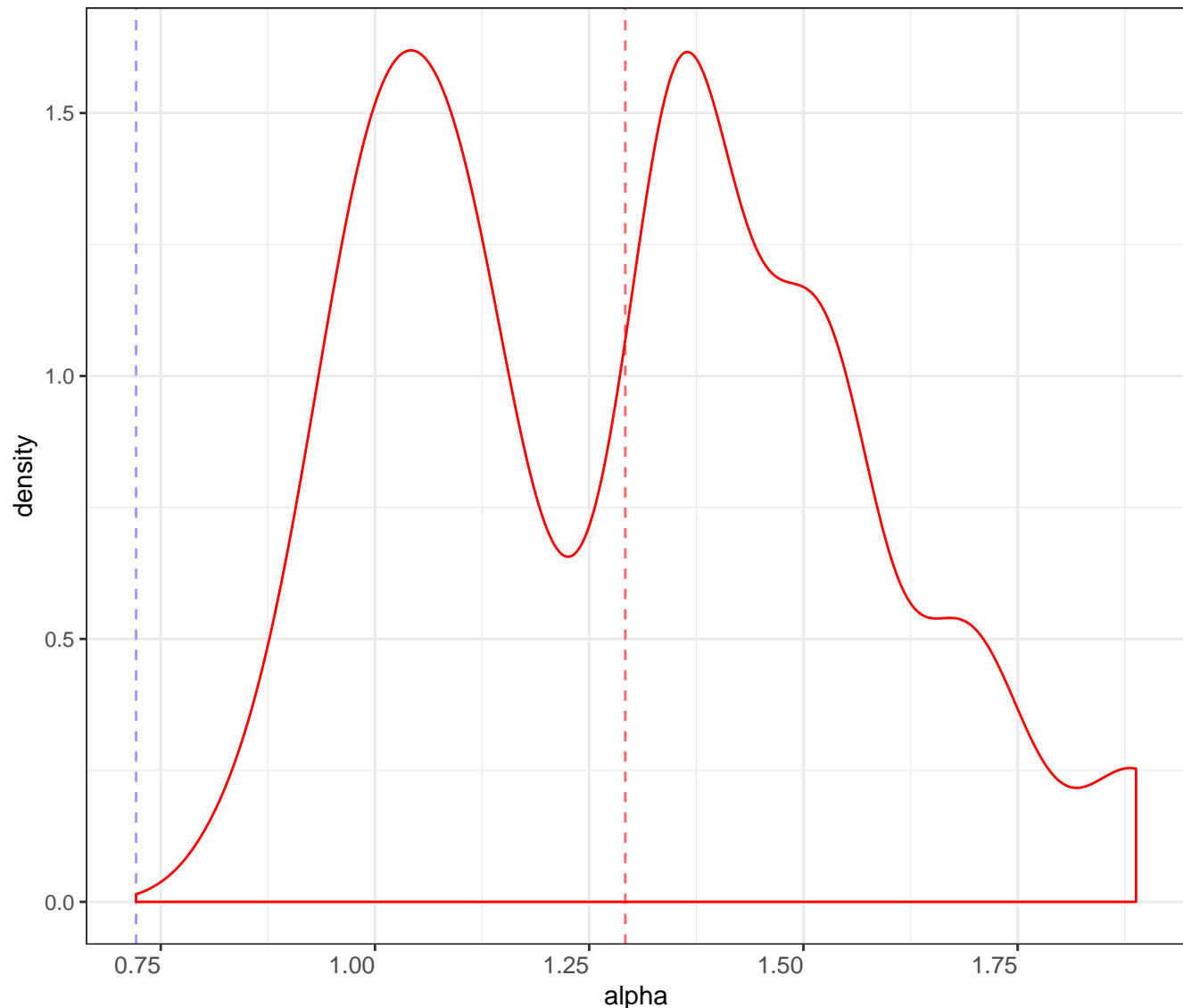
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

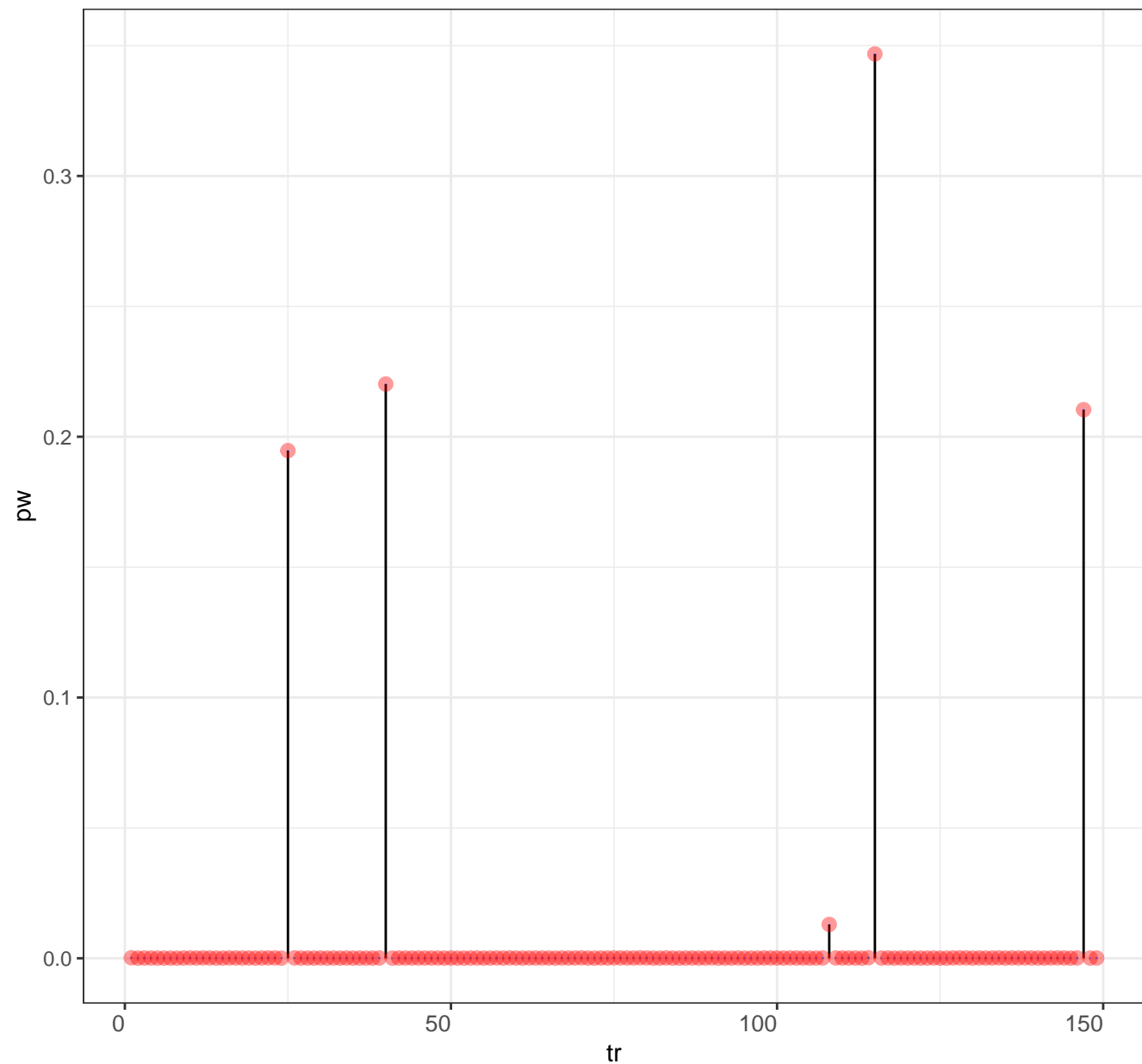
posterior mean

prior mean



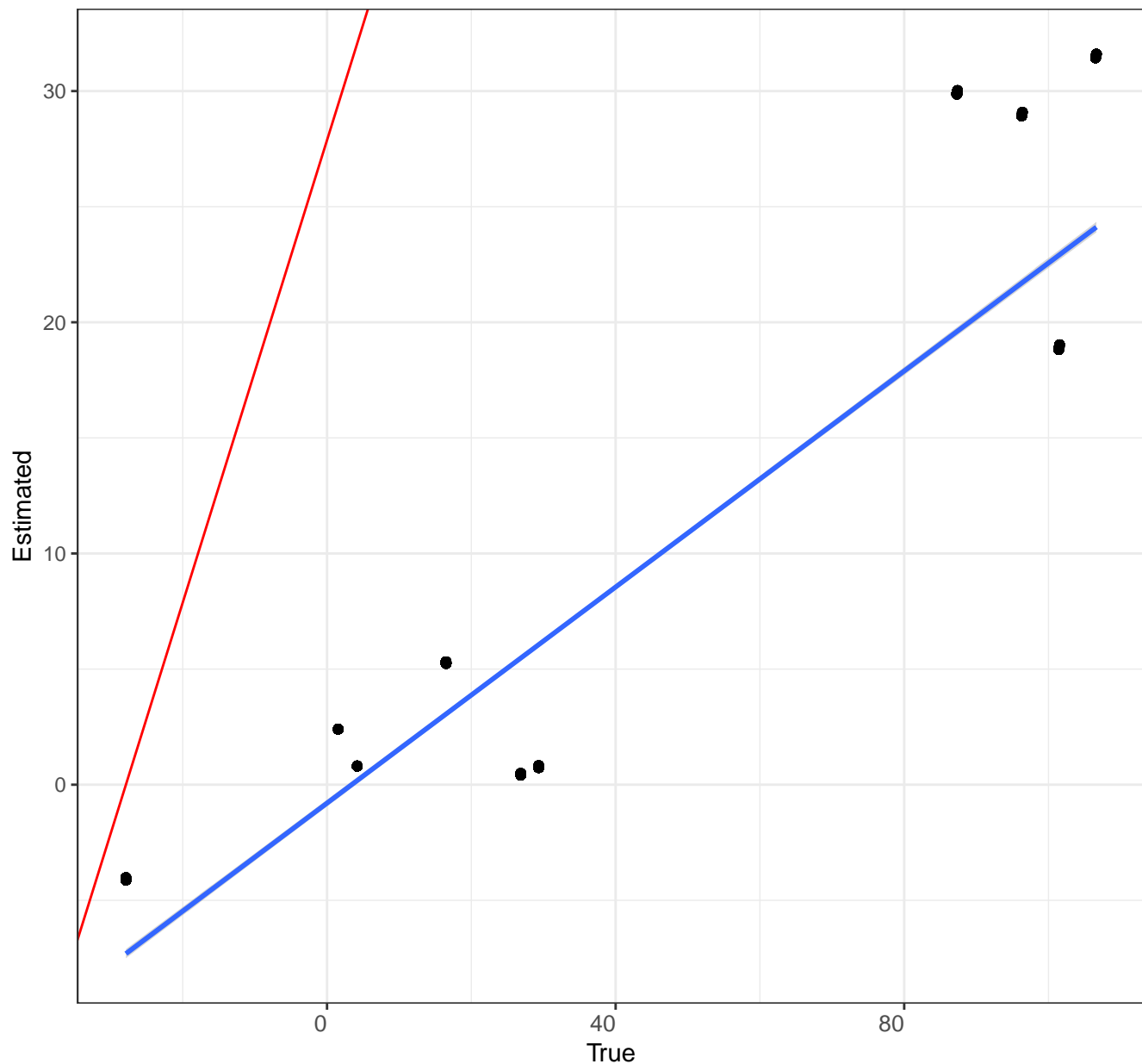
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



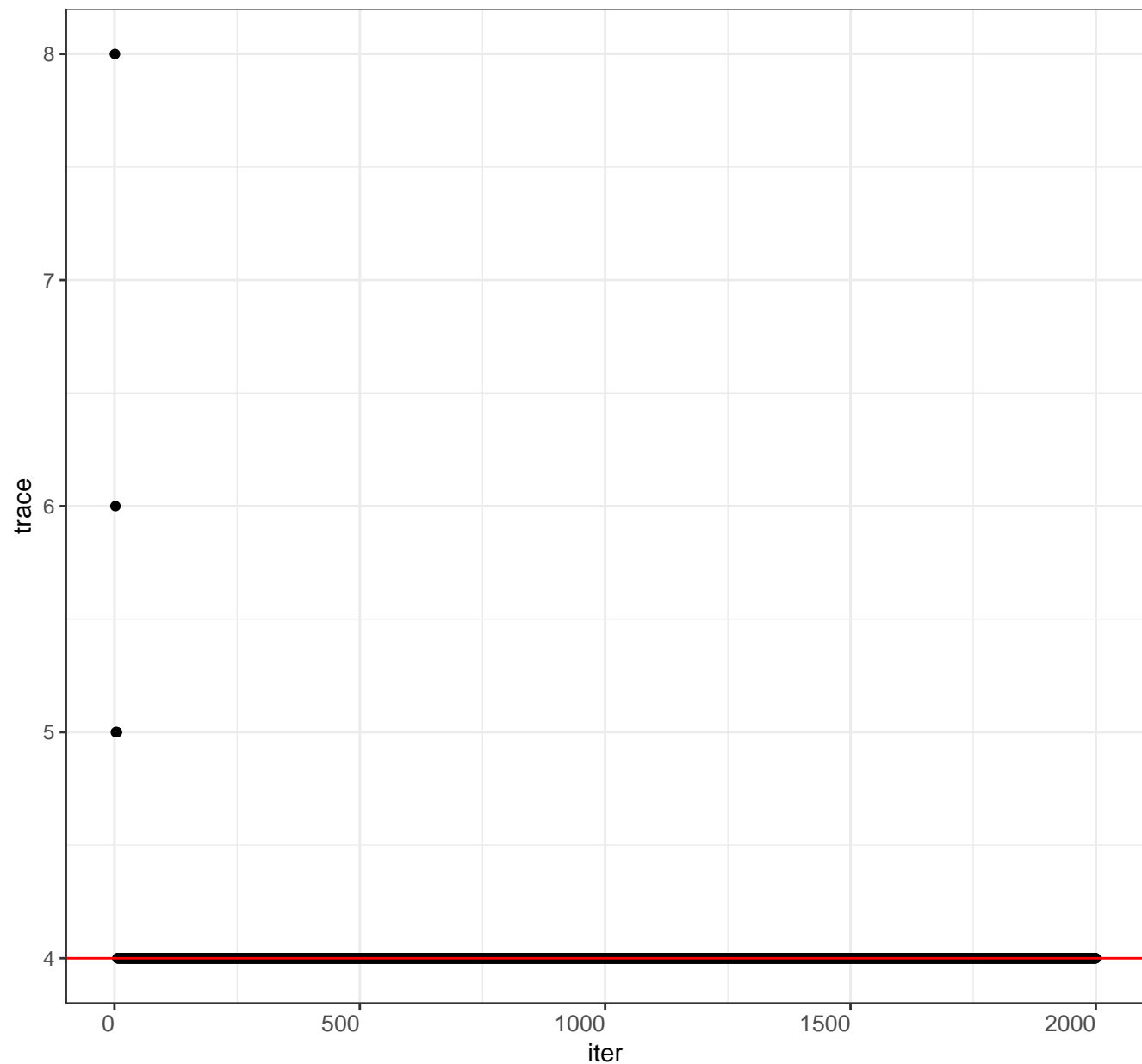
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=10 true K=4 type=2

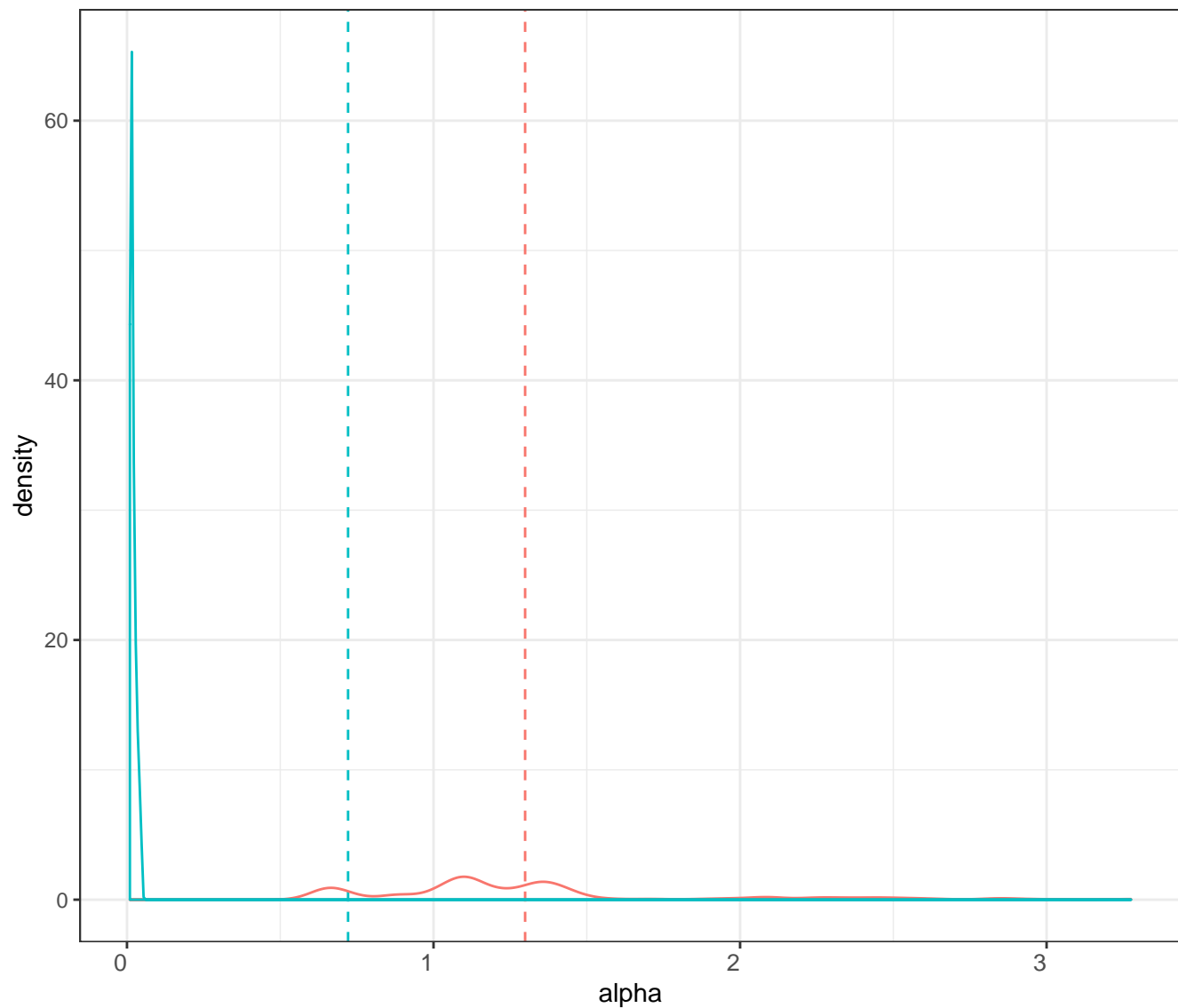
Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

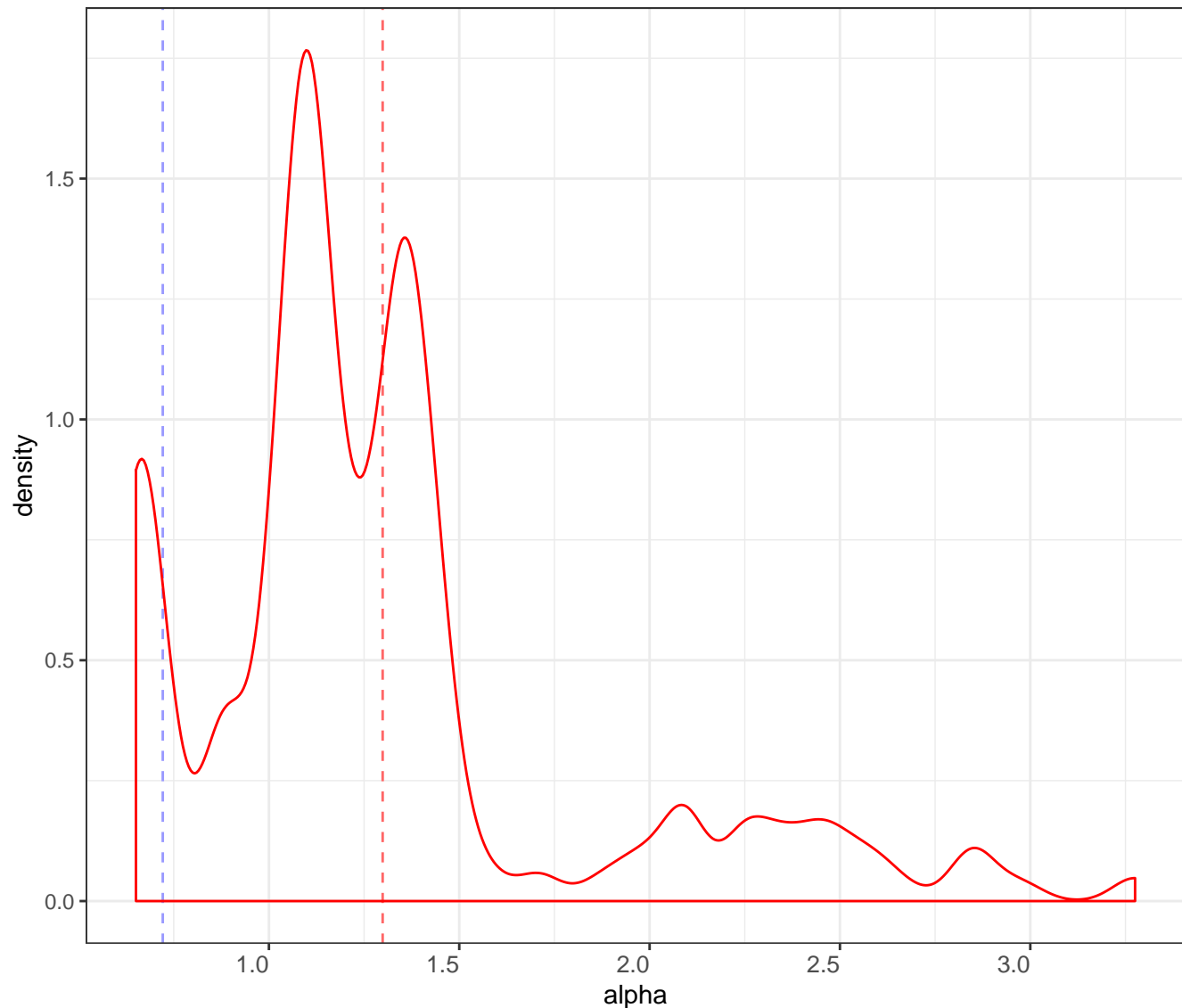
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

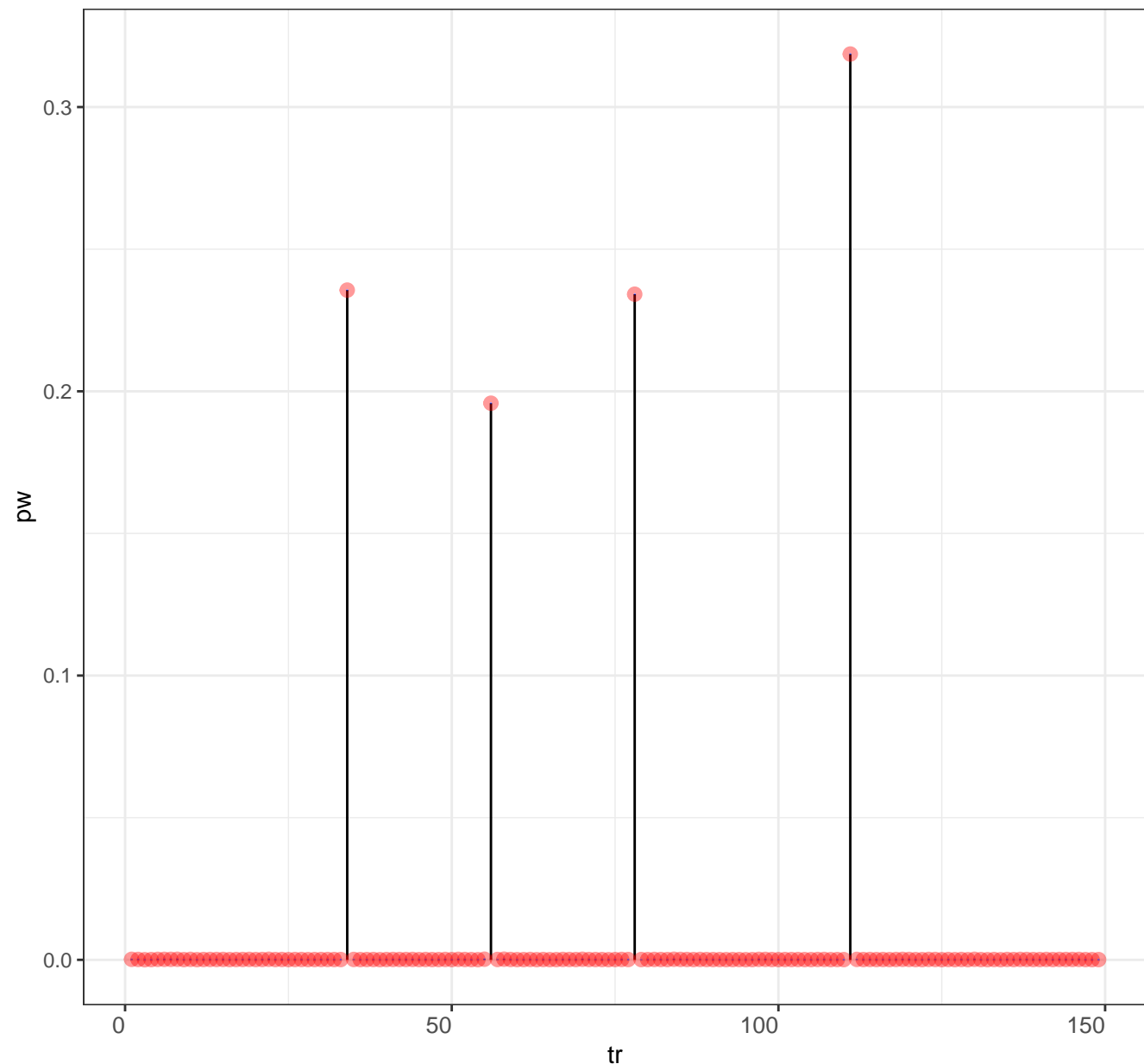
Posterior distribution for alpha

Legend posterior mean prior mean



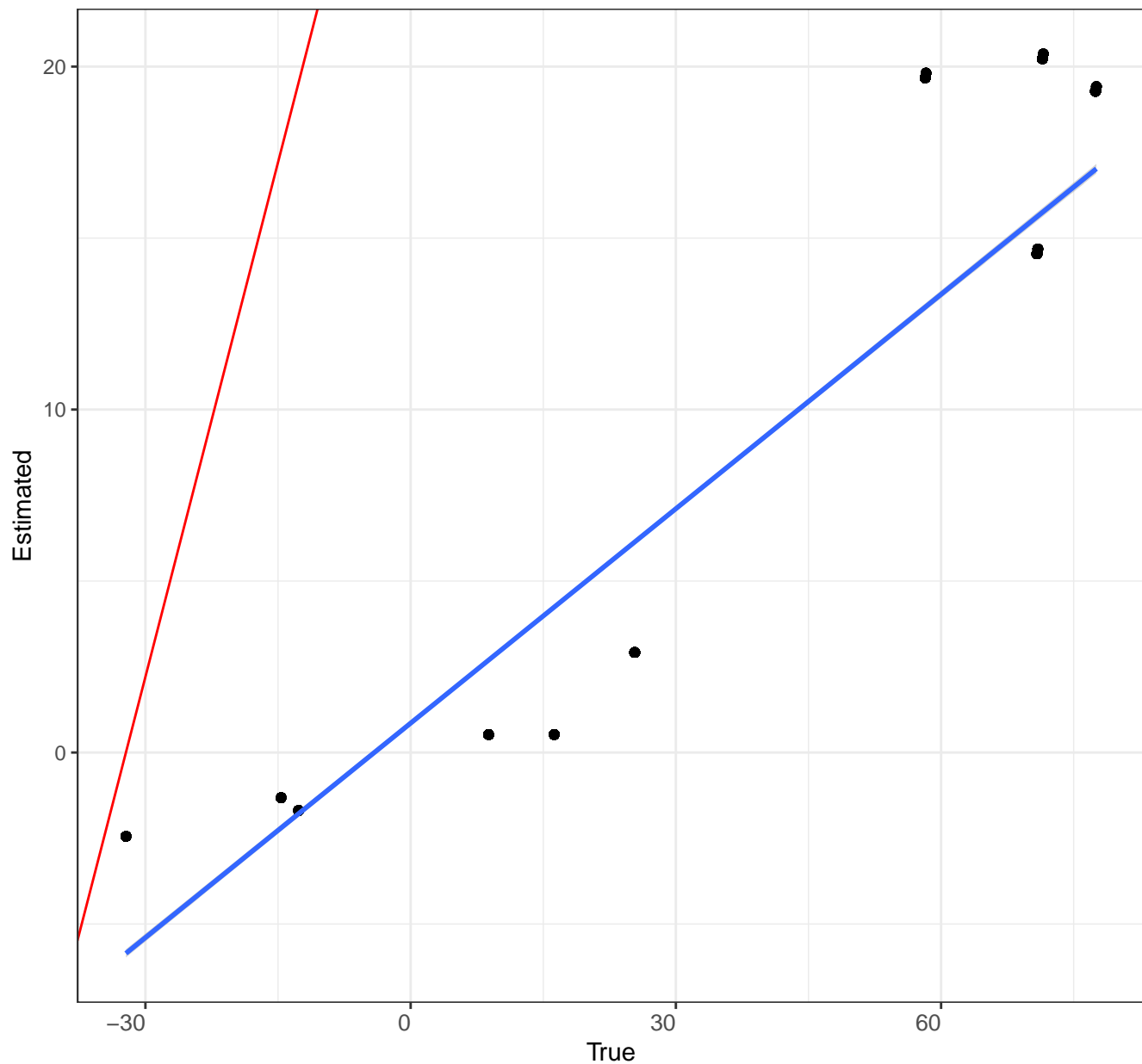
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



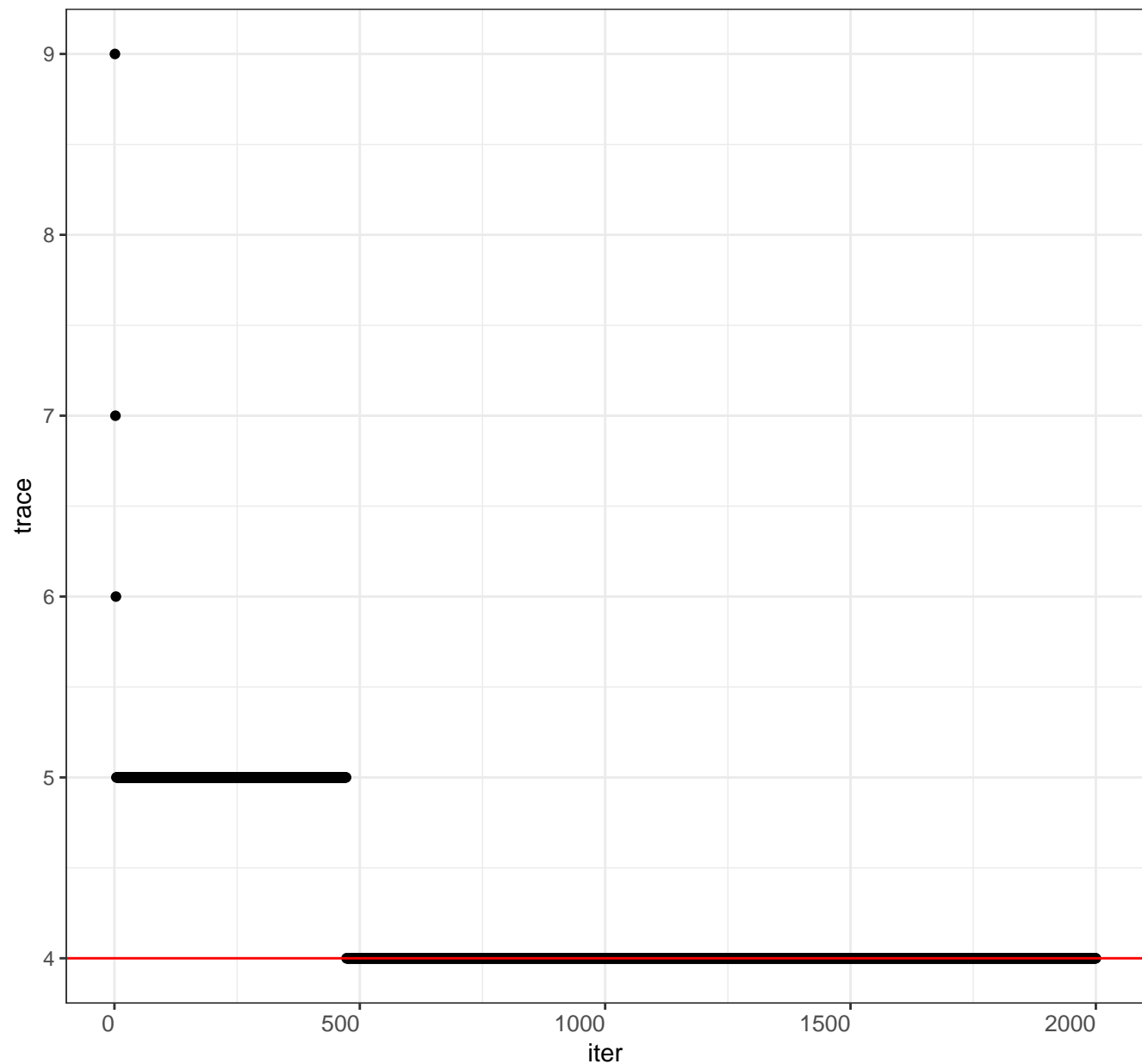
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 r=10 true K=4 type=2

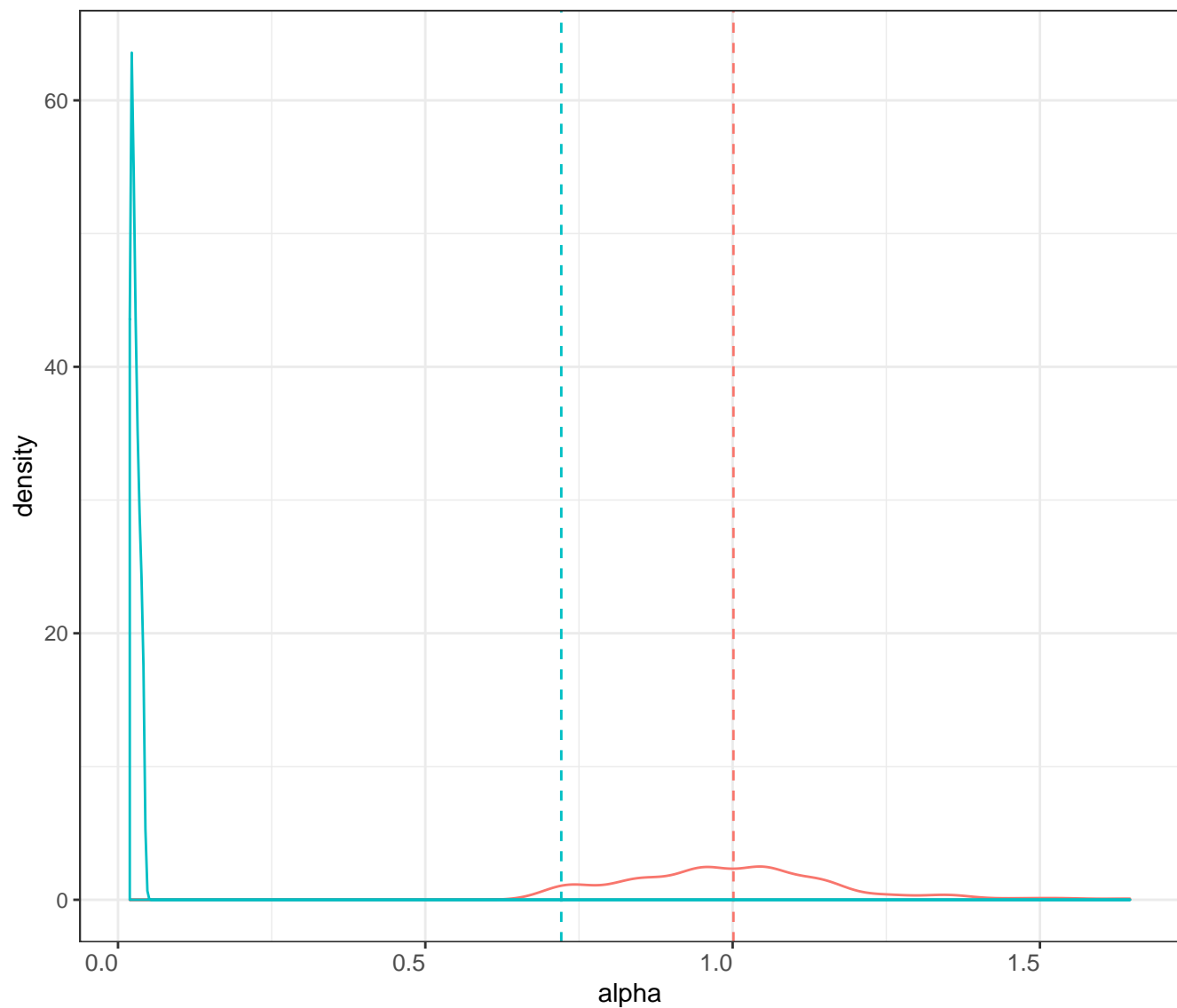
Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

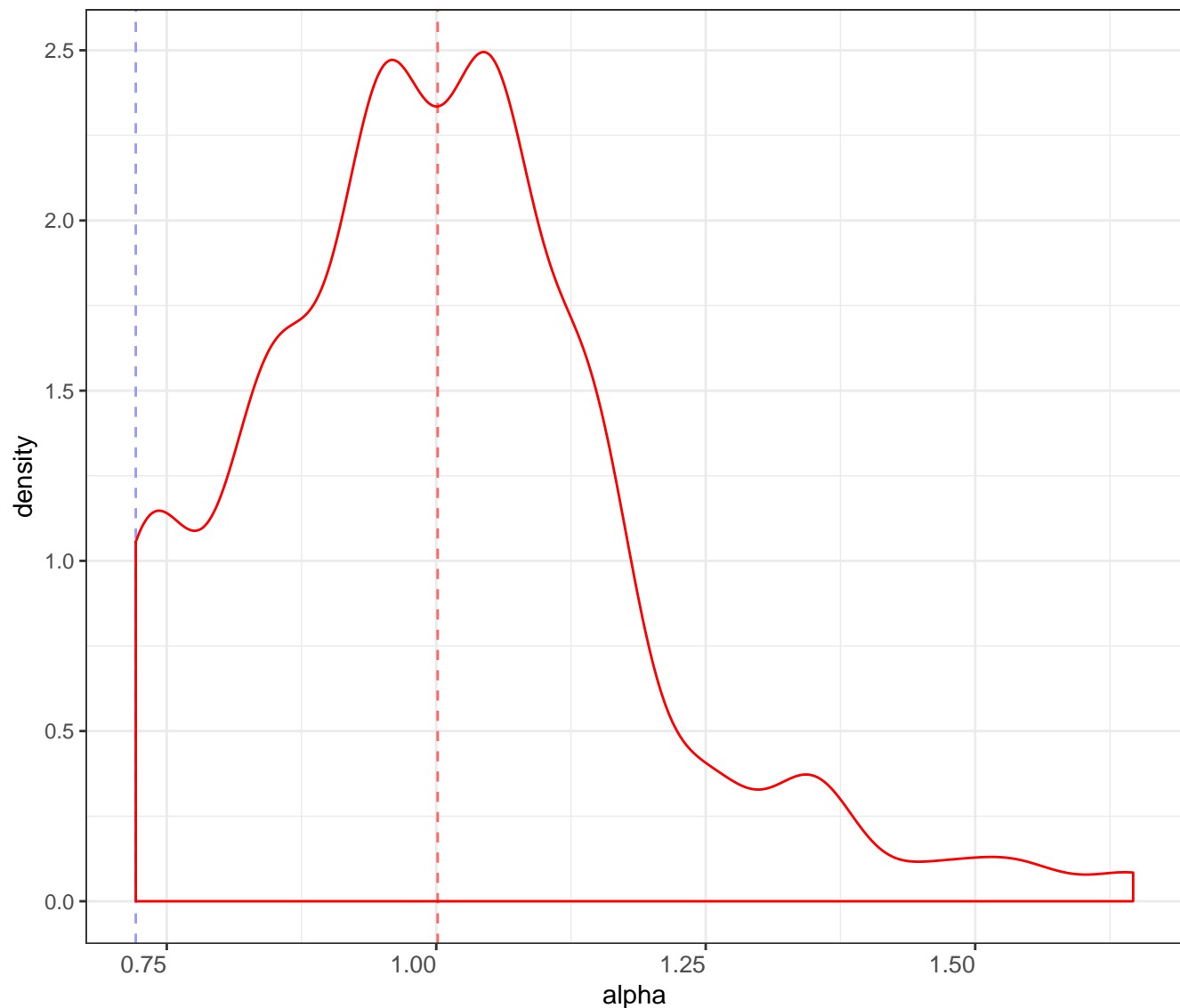
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

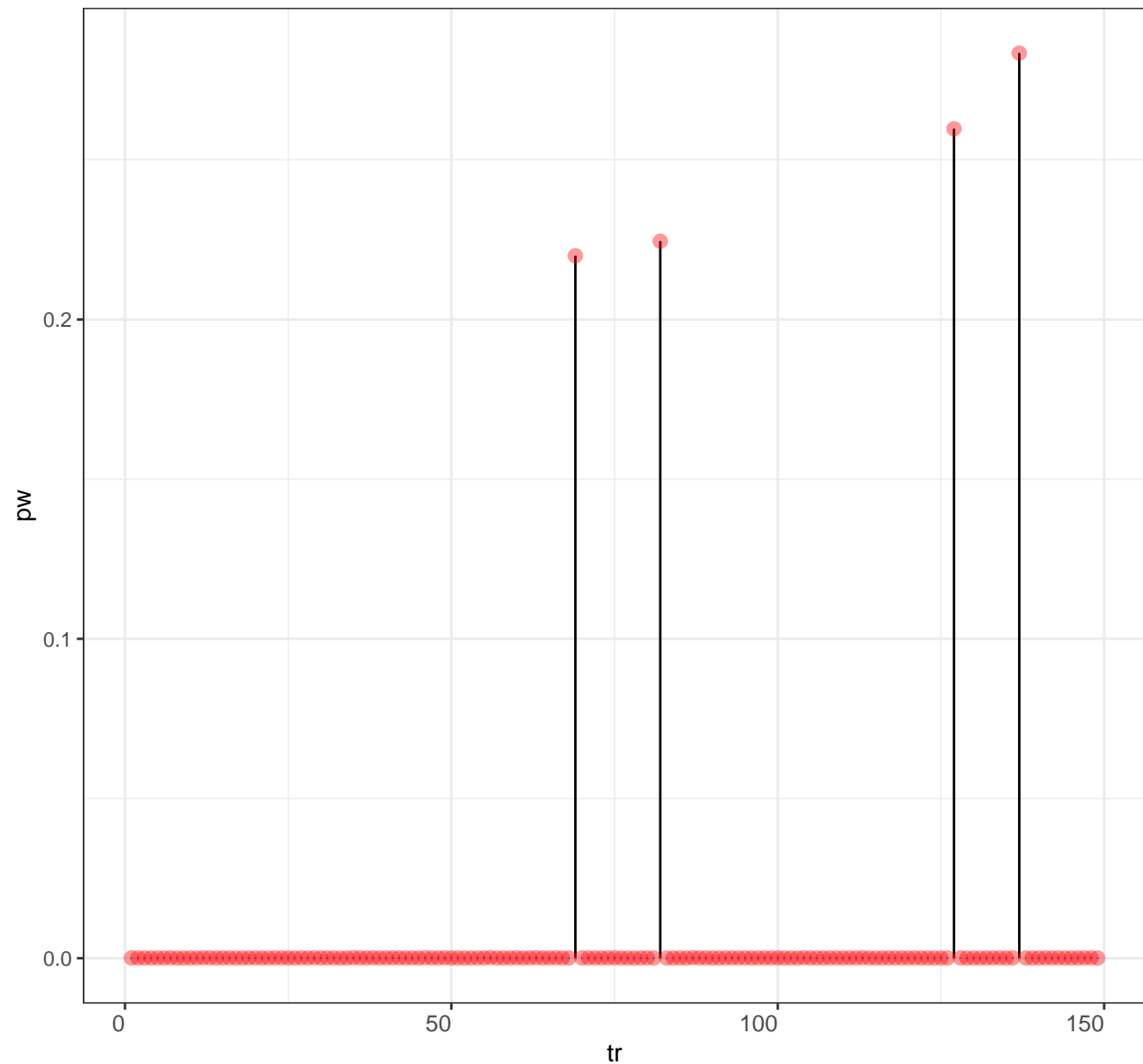
Posterior distribution for alpha

Legend posterior mean prior mean



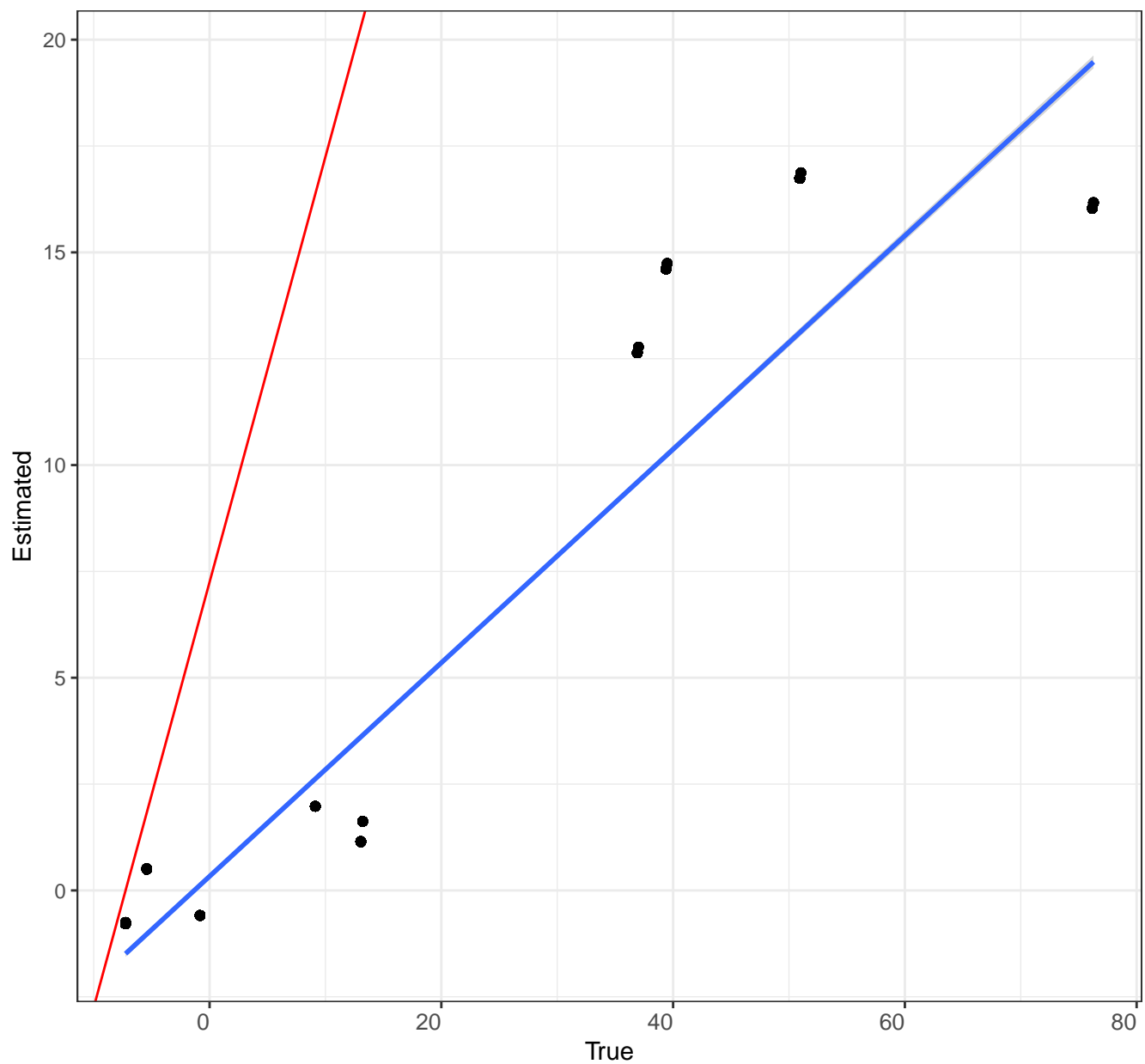
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



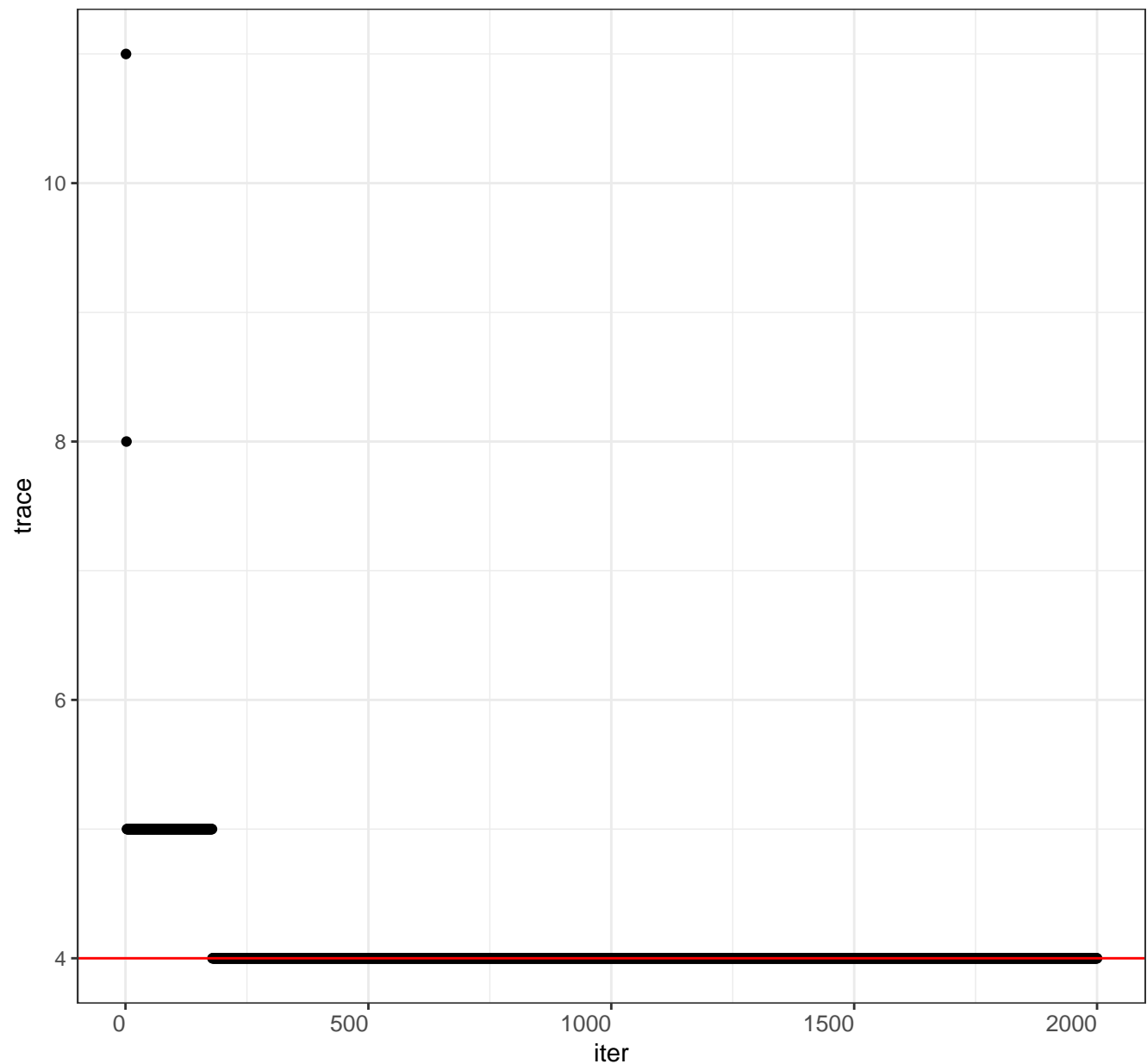
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=10 true K=4 type=2

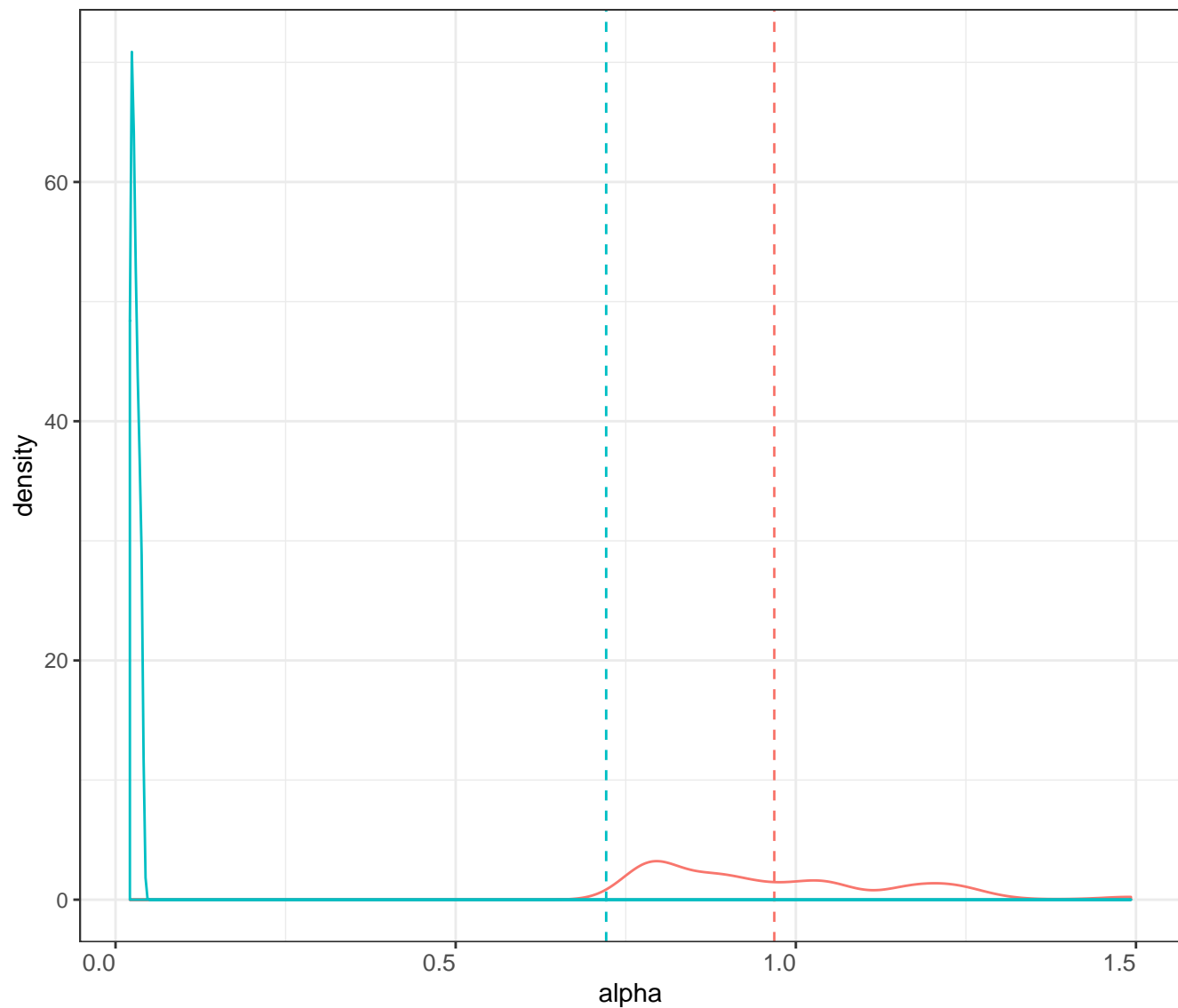
Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

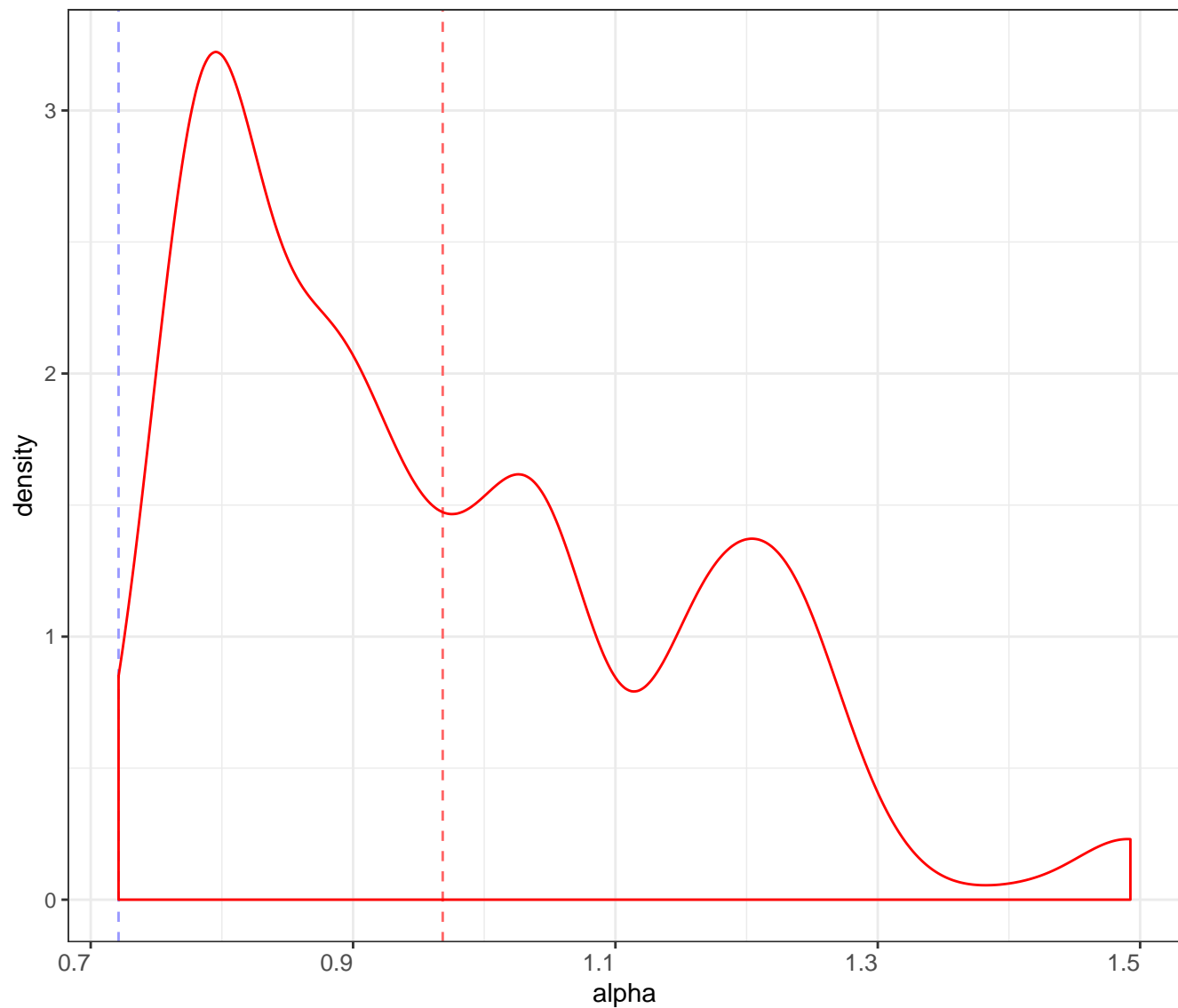
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

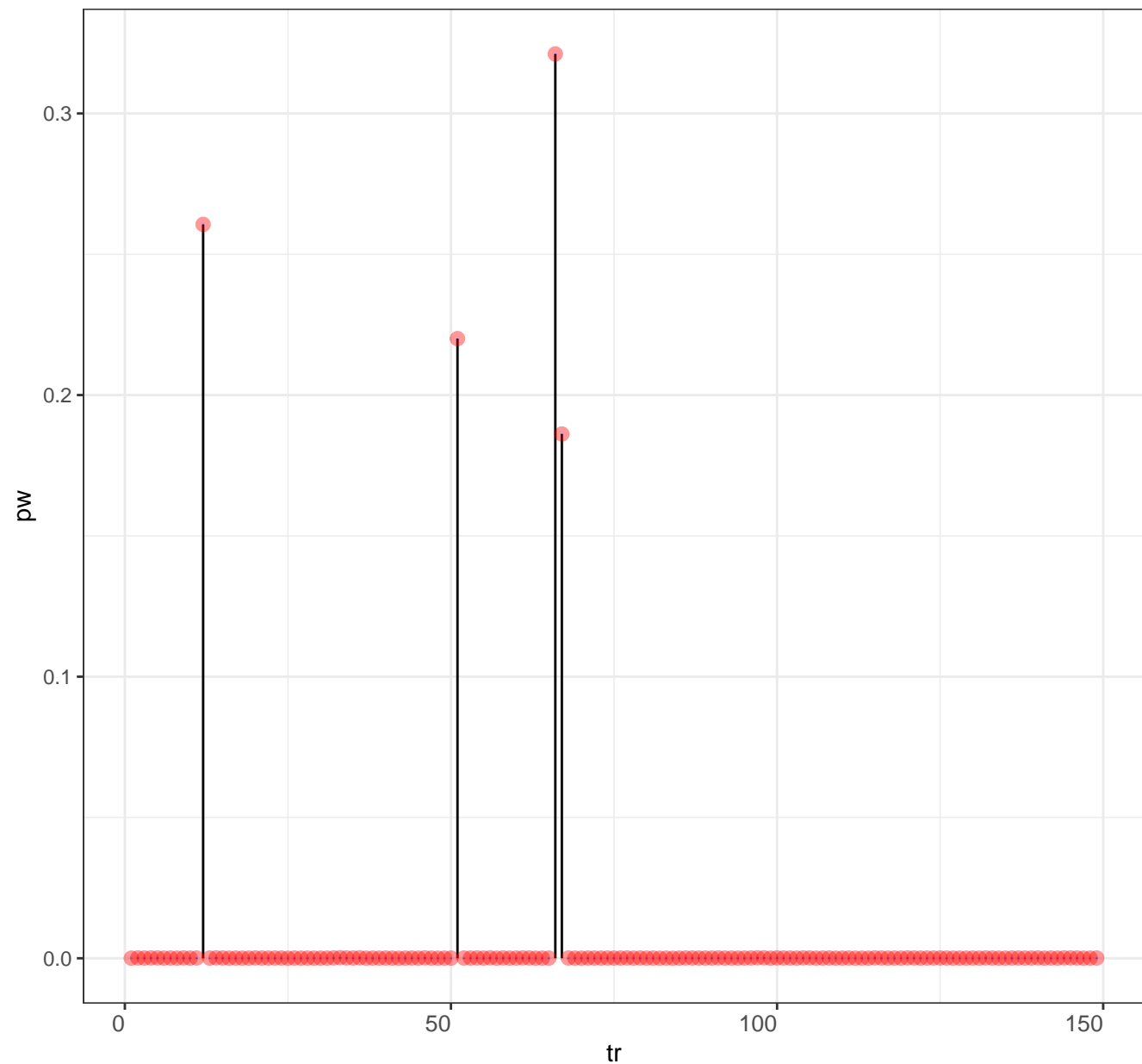
Posterior distribution for alpha

Legend posterior mean prior mean



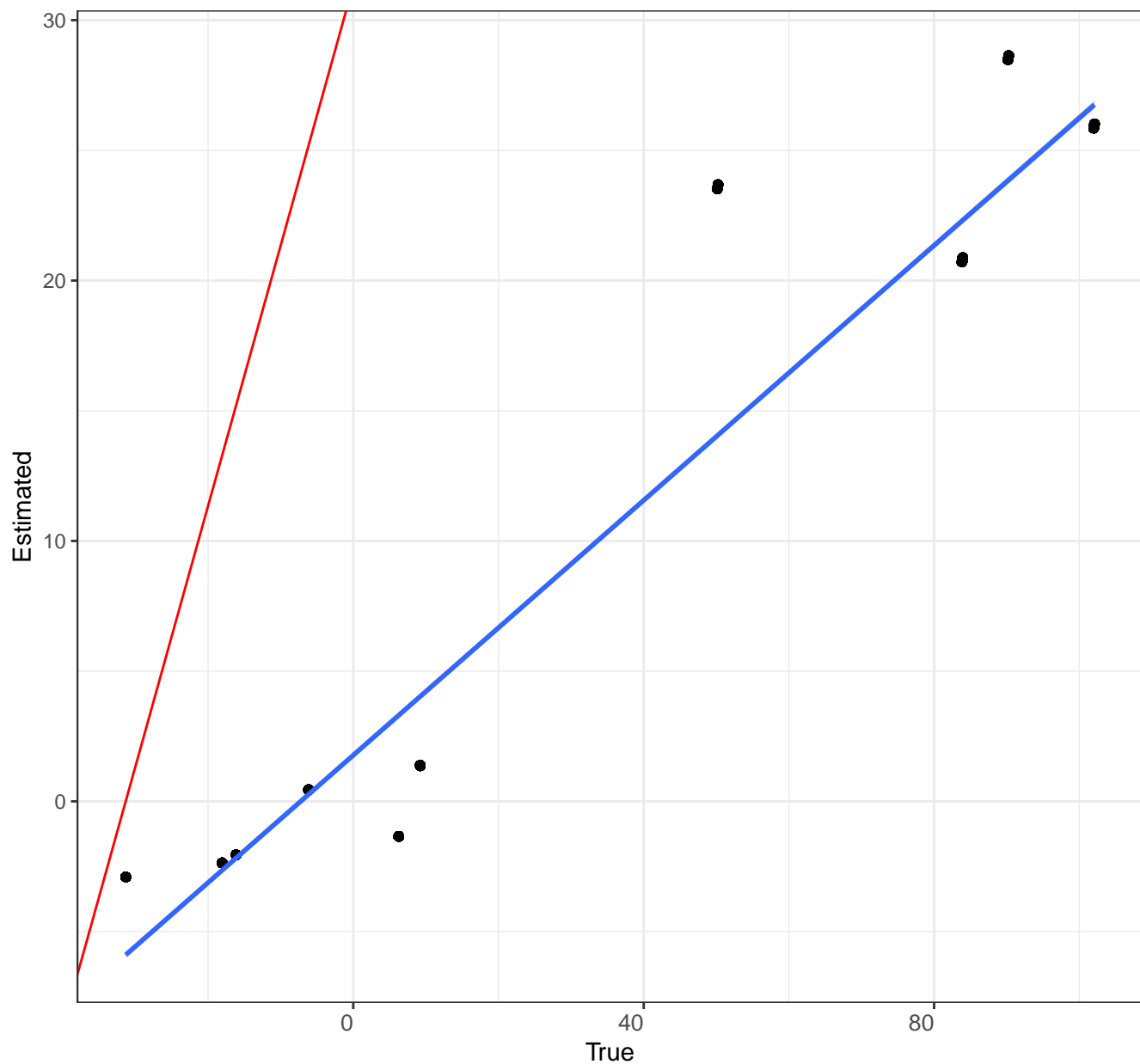
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



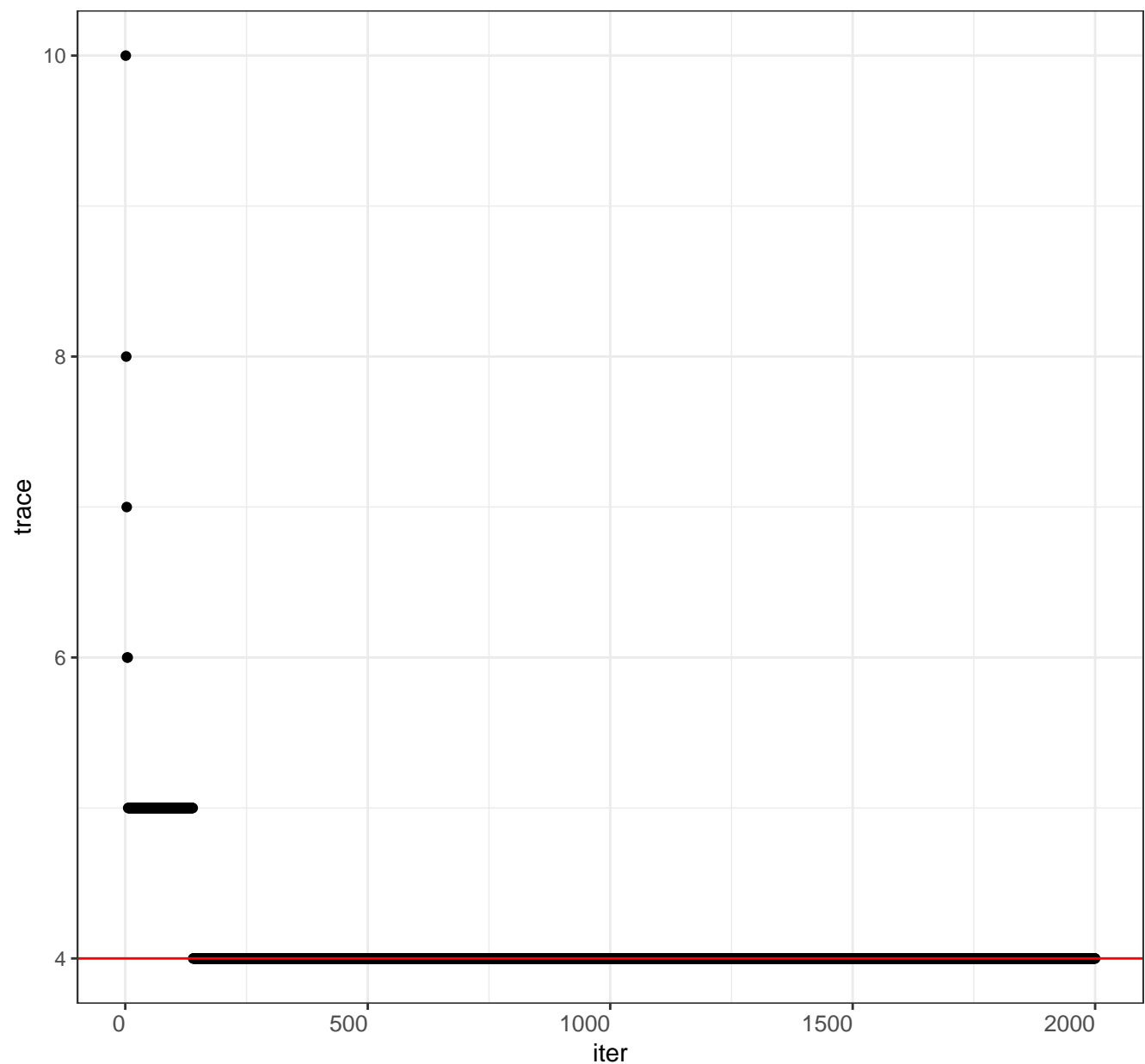
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=10 true K=4 type=2

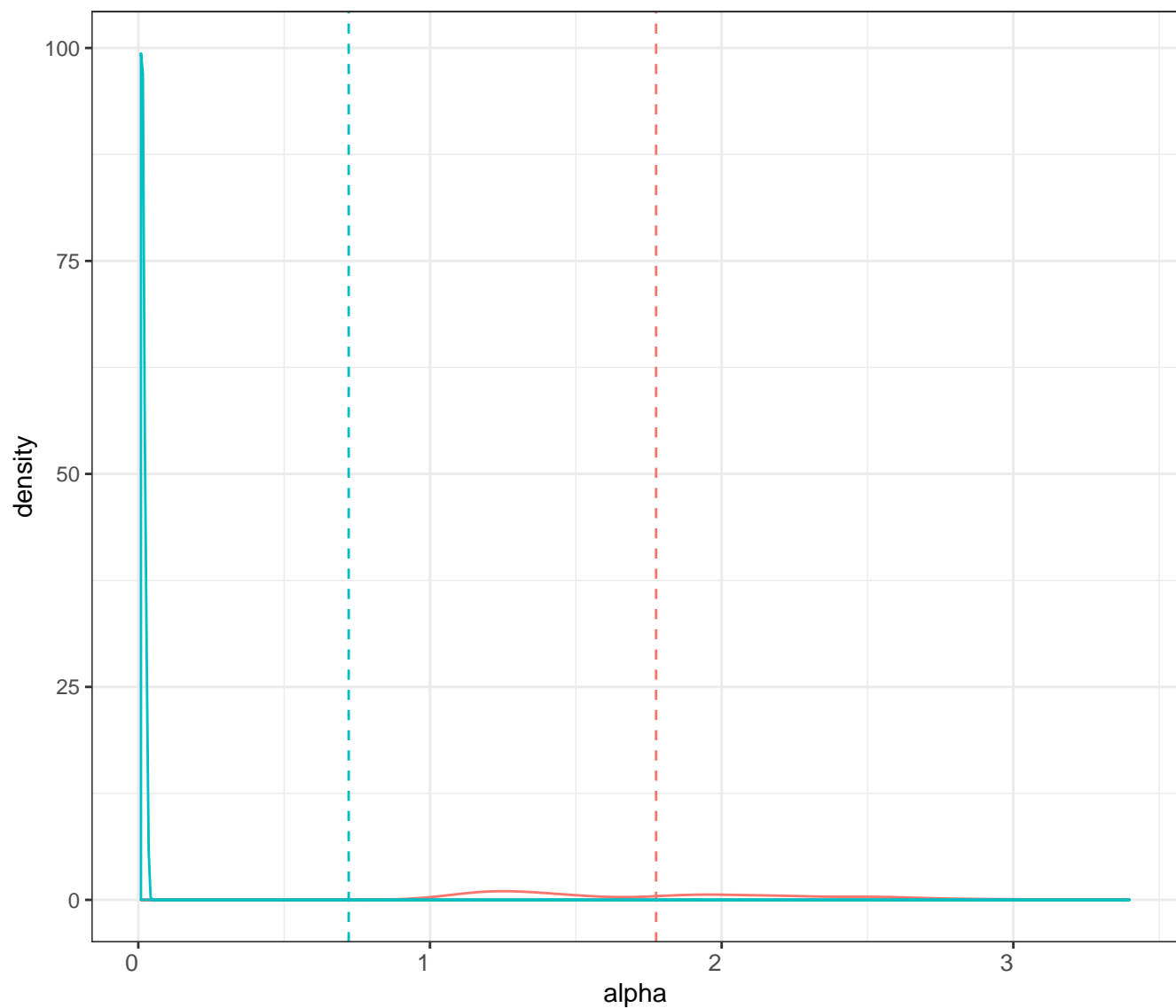
Trace plot for the number of groups K for S=80 r=10 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=10 true gr K=4 ,type=2 ,N=150

type - - posterior - - prior



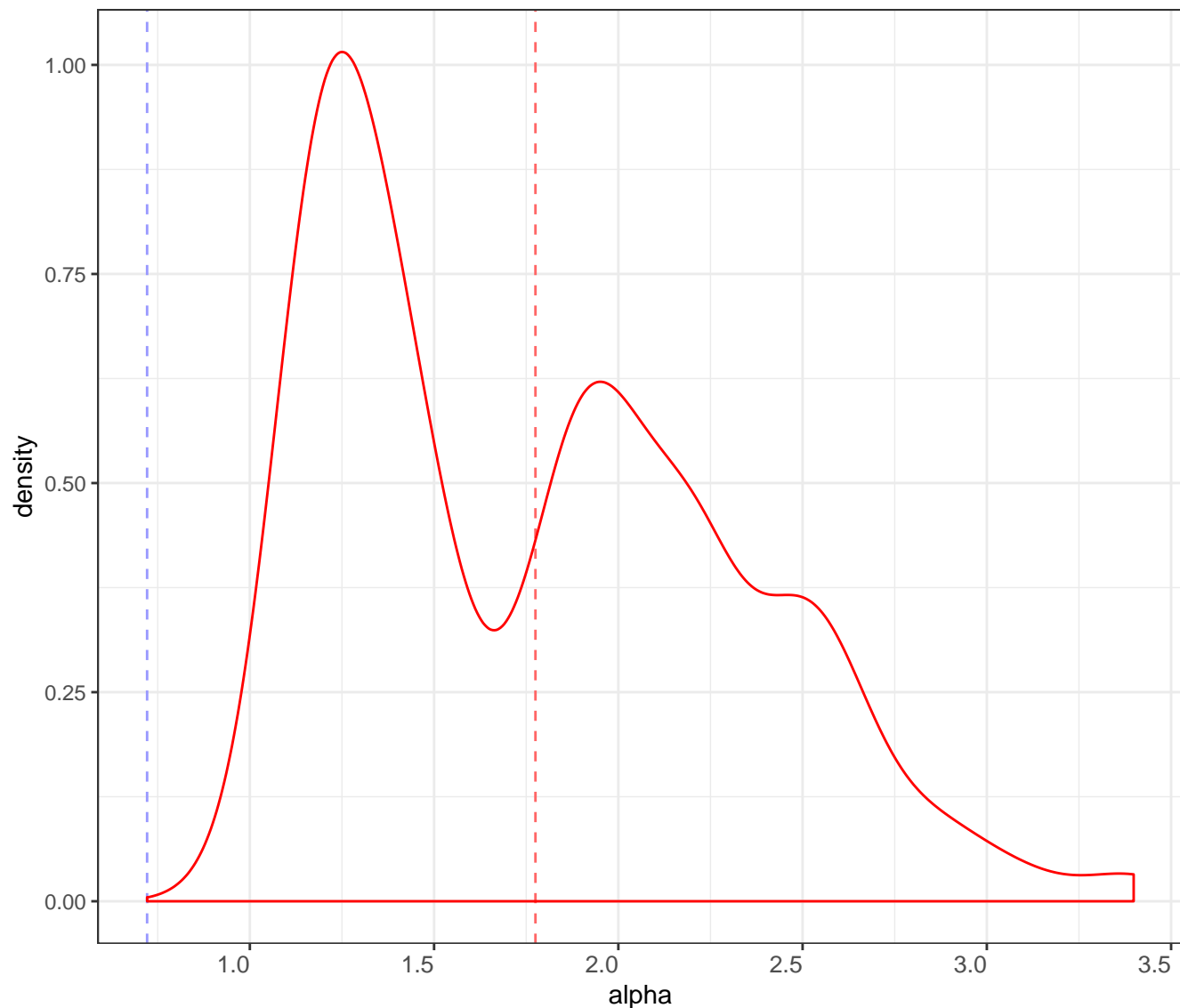
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

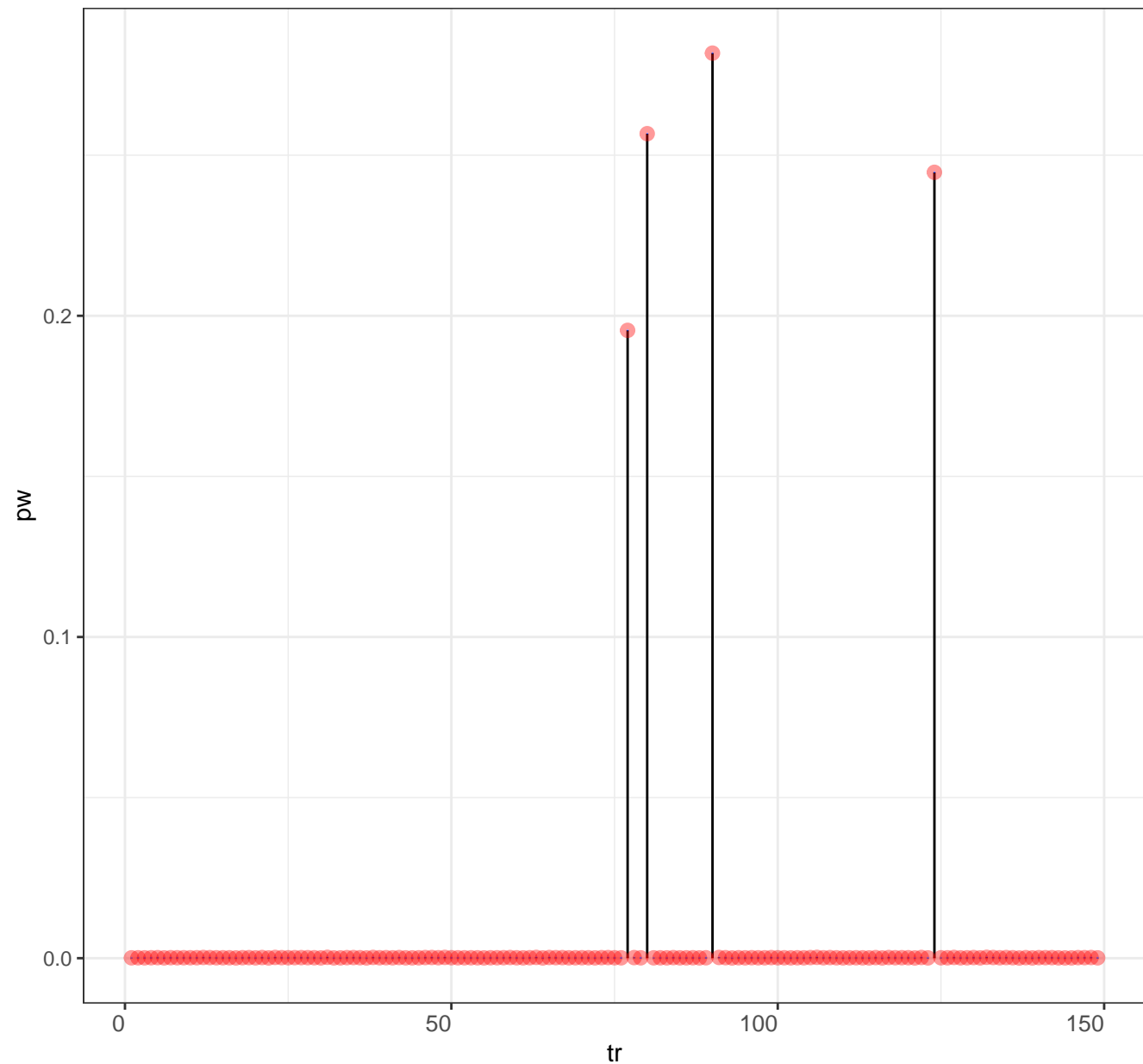
posterior mean

prior mean



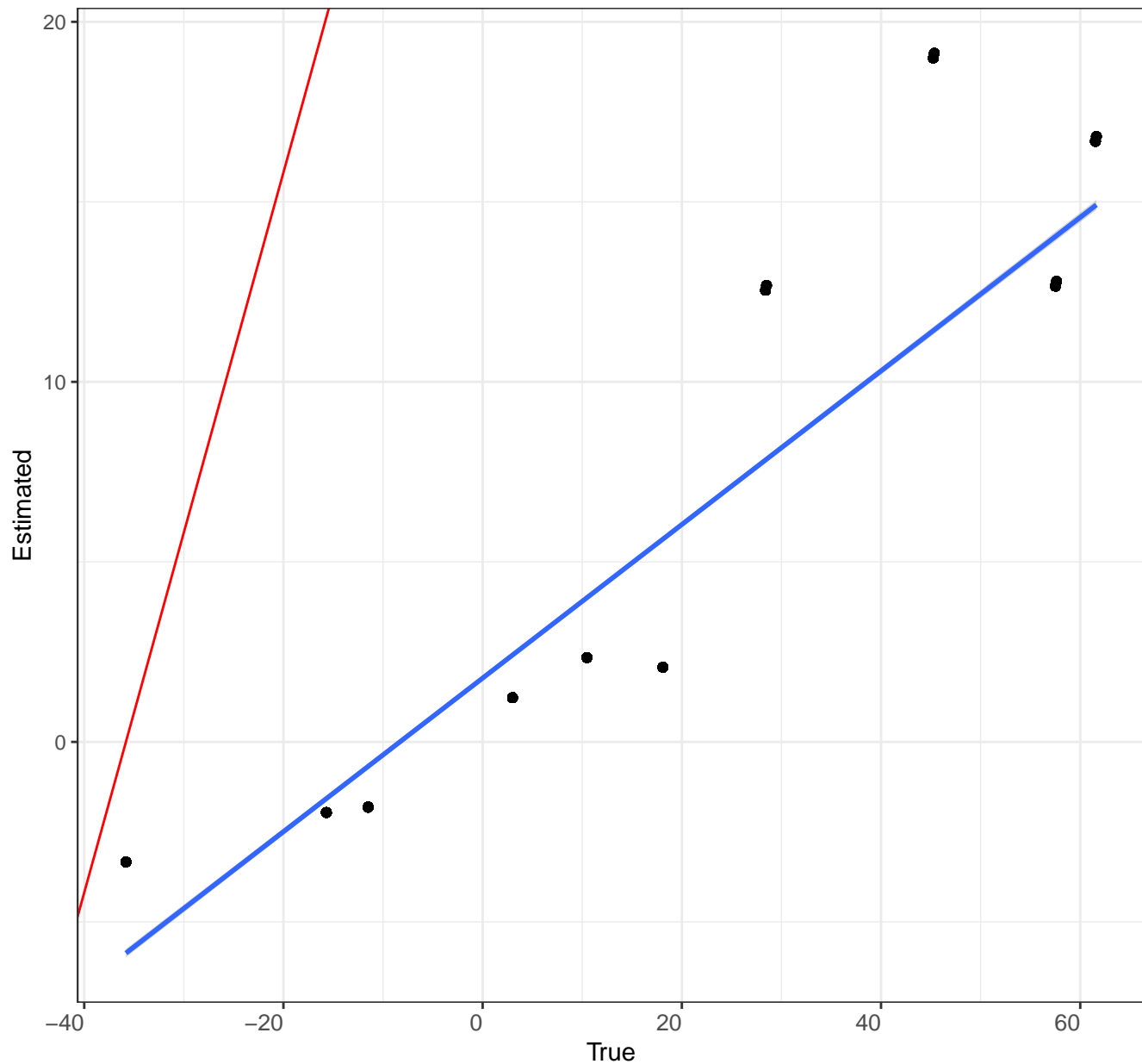
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=10 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=10$ true gr $K=4$,type=2 , $N=150$ $pN=0$



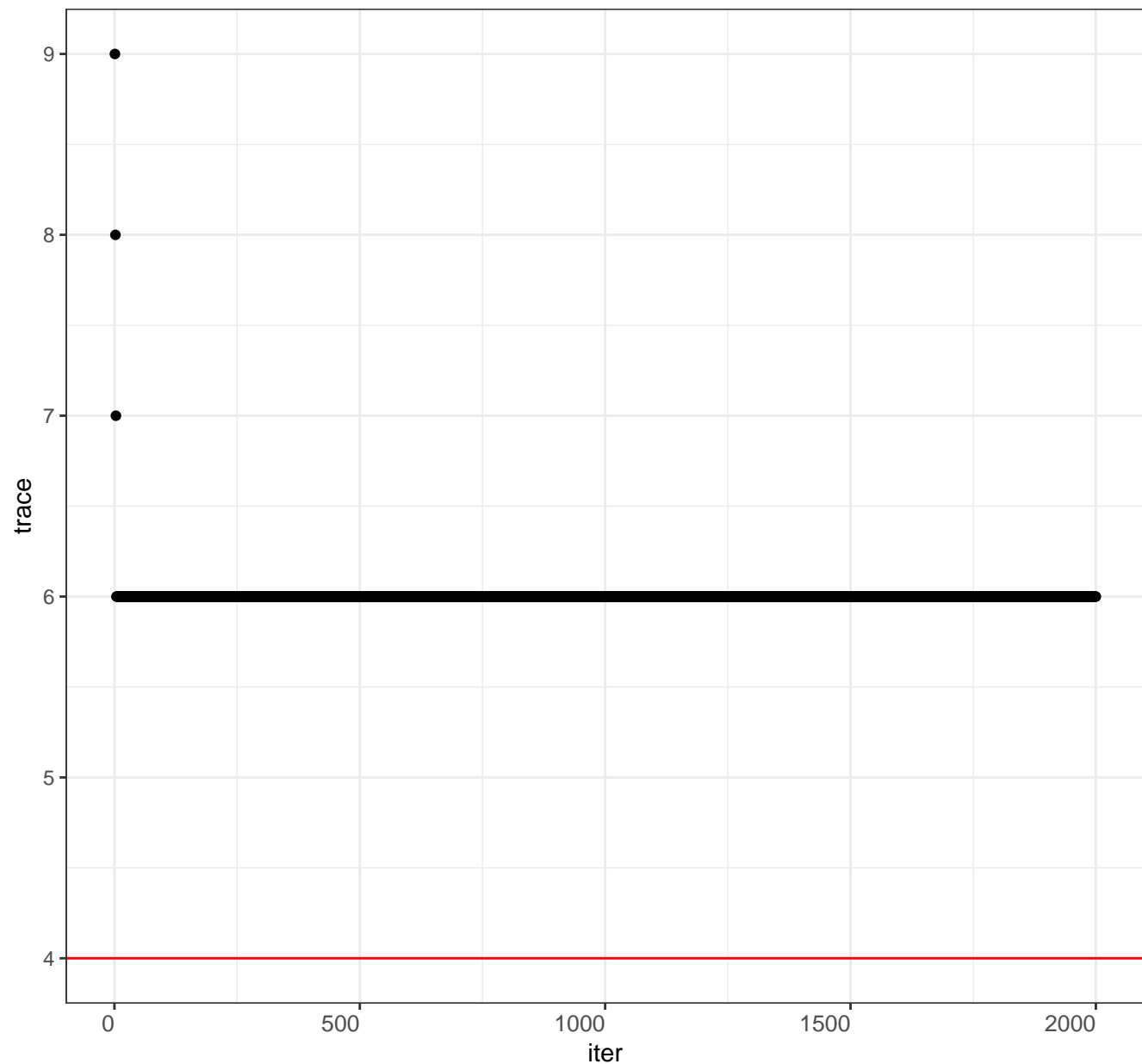
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=10 true K=4 type=2

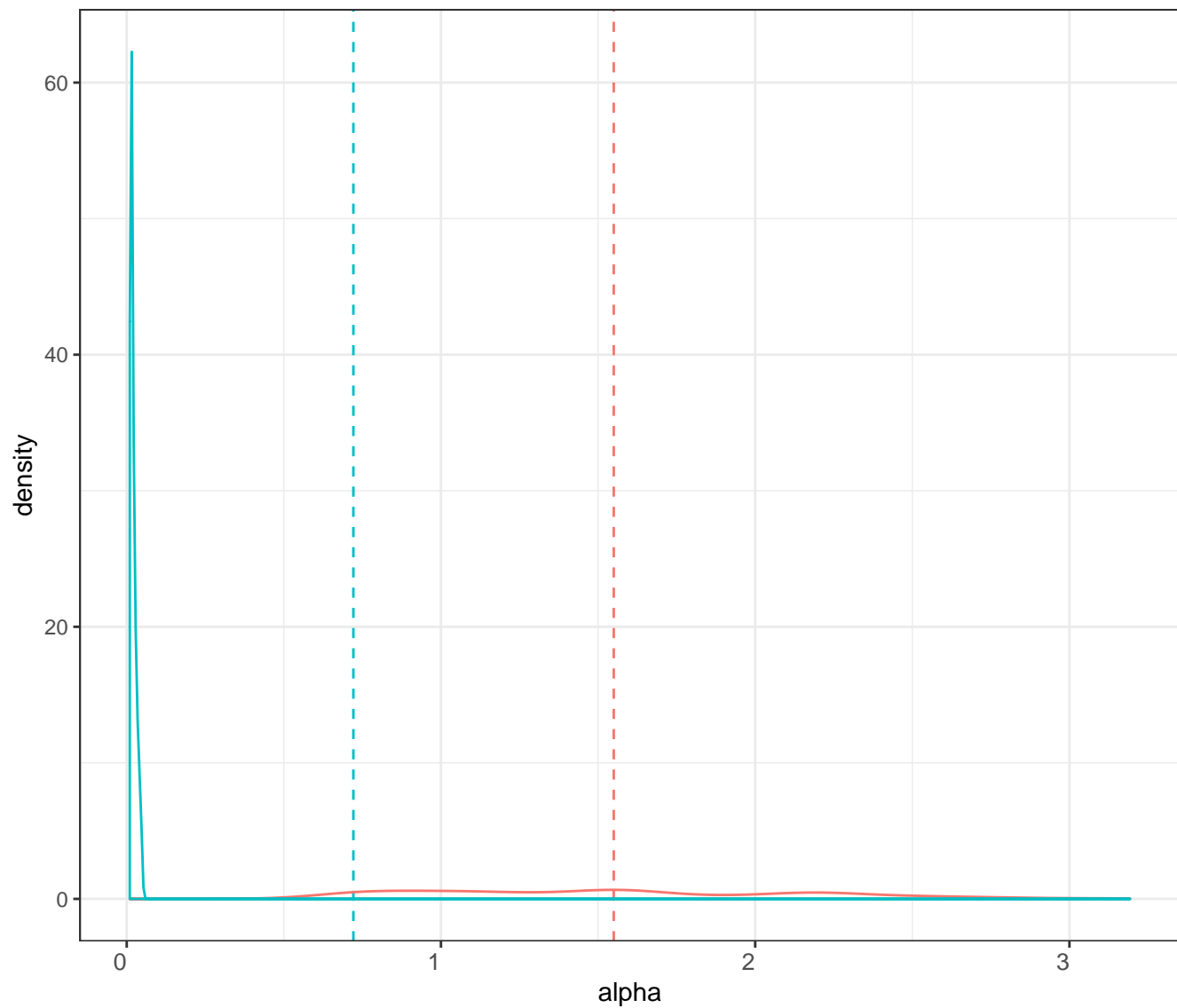
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

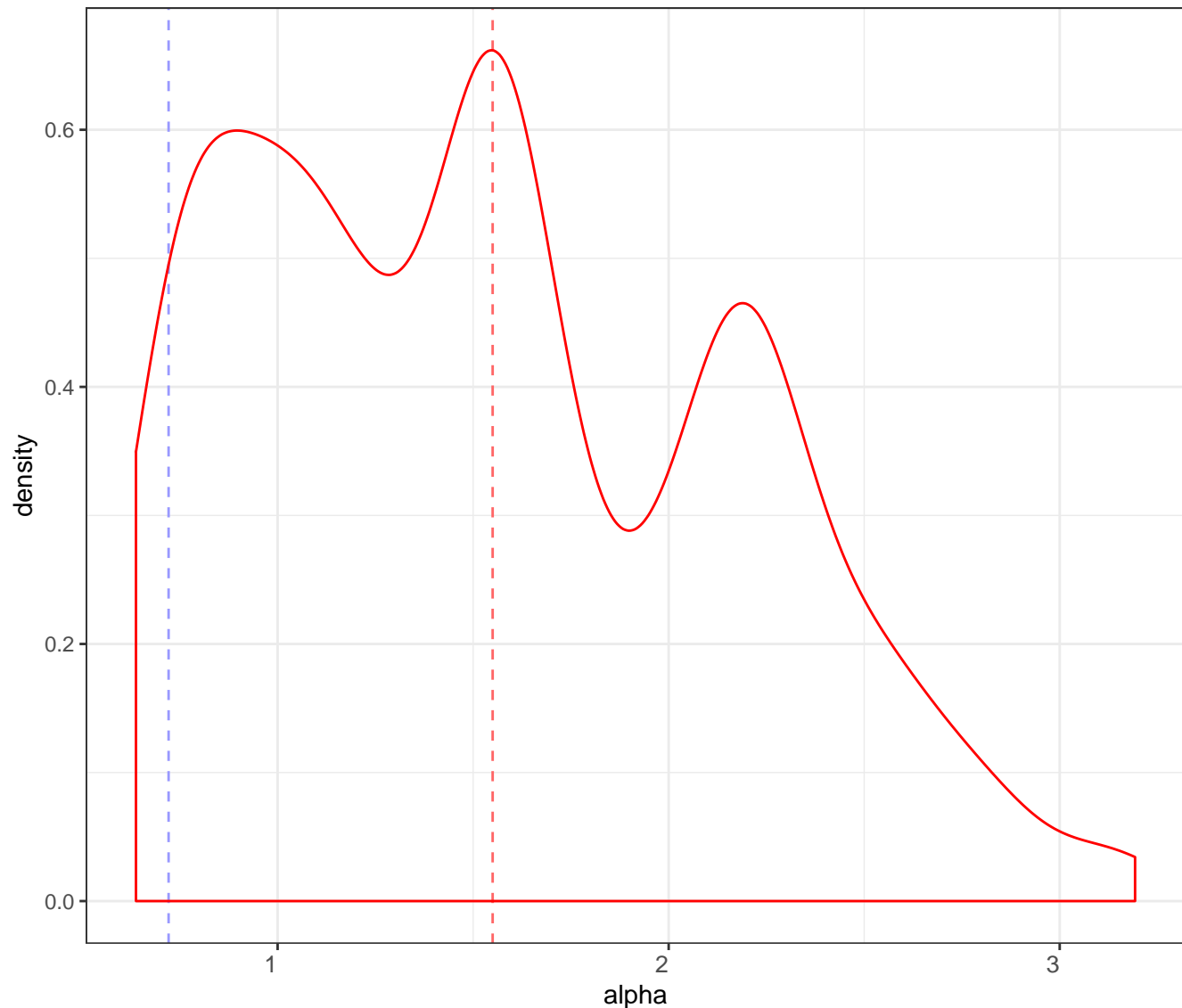
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

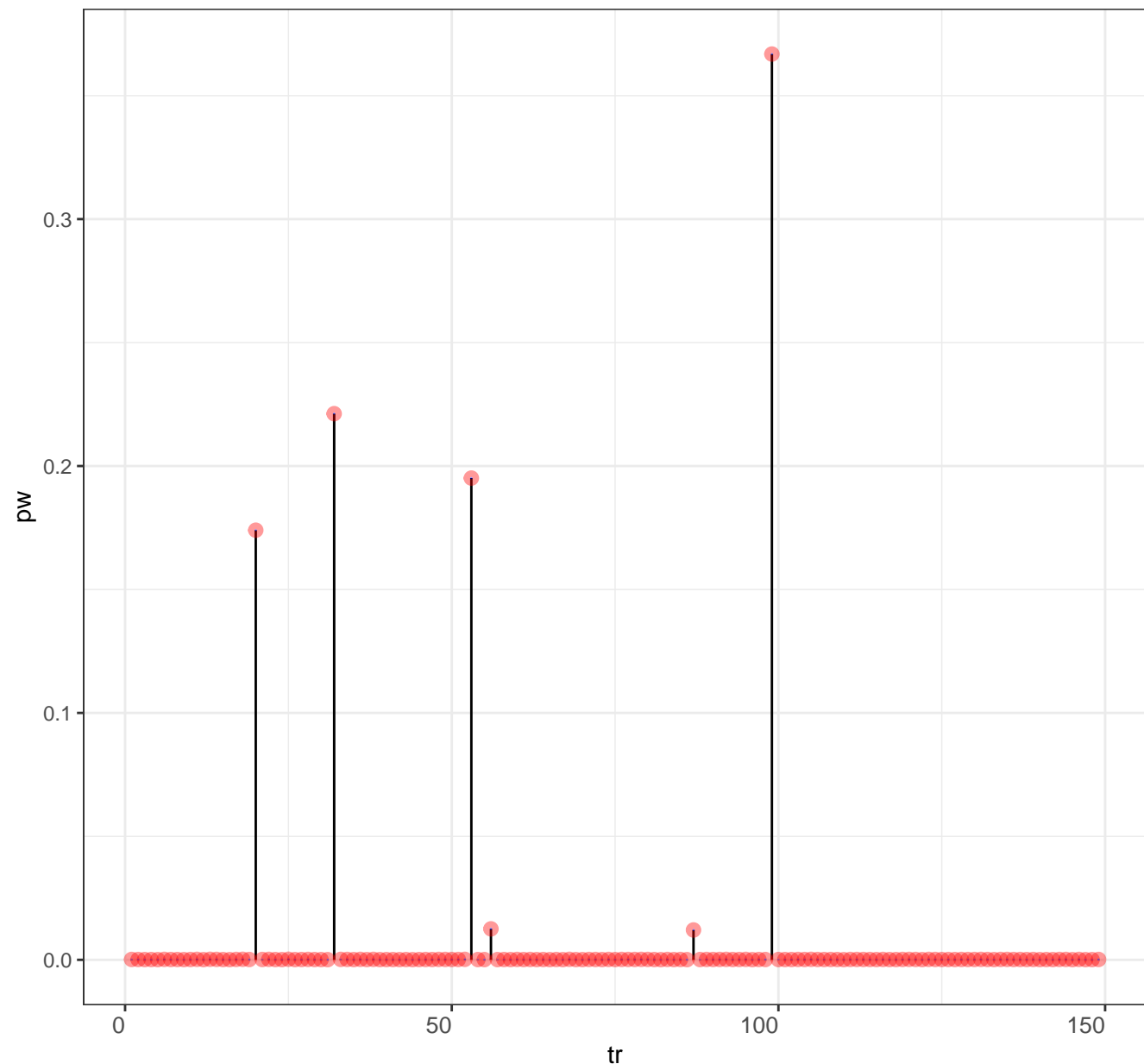
Posterior distribution for alpha

Legend posterior mean prior mean



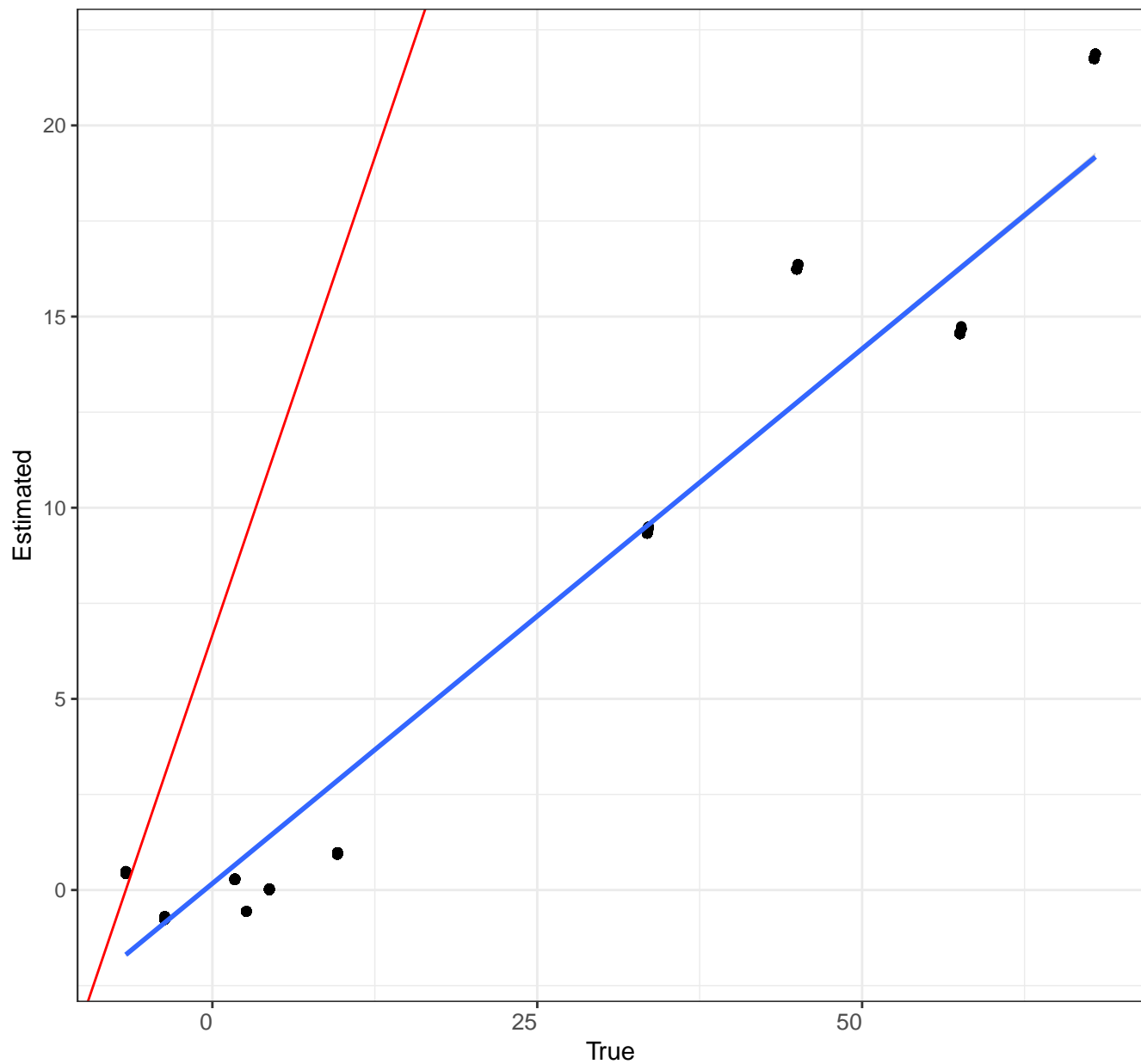
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



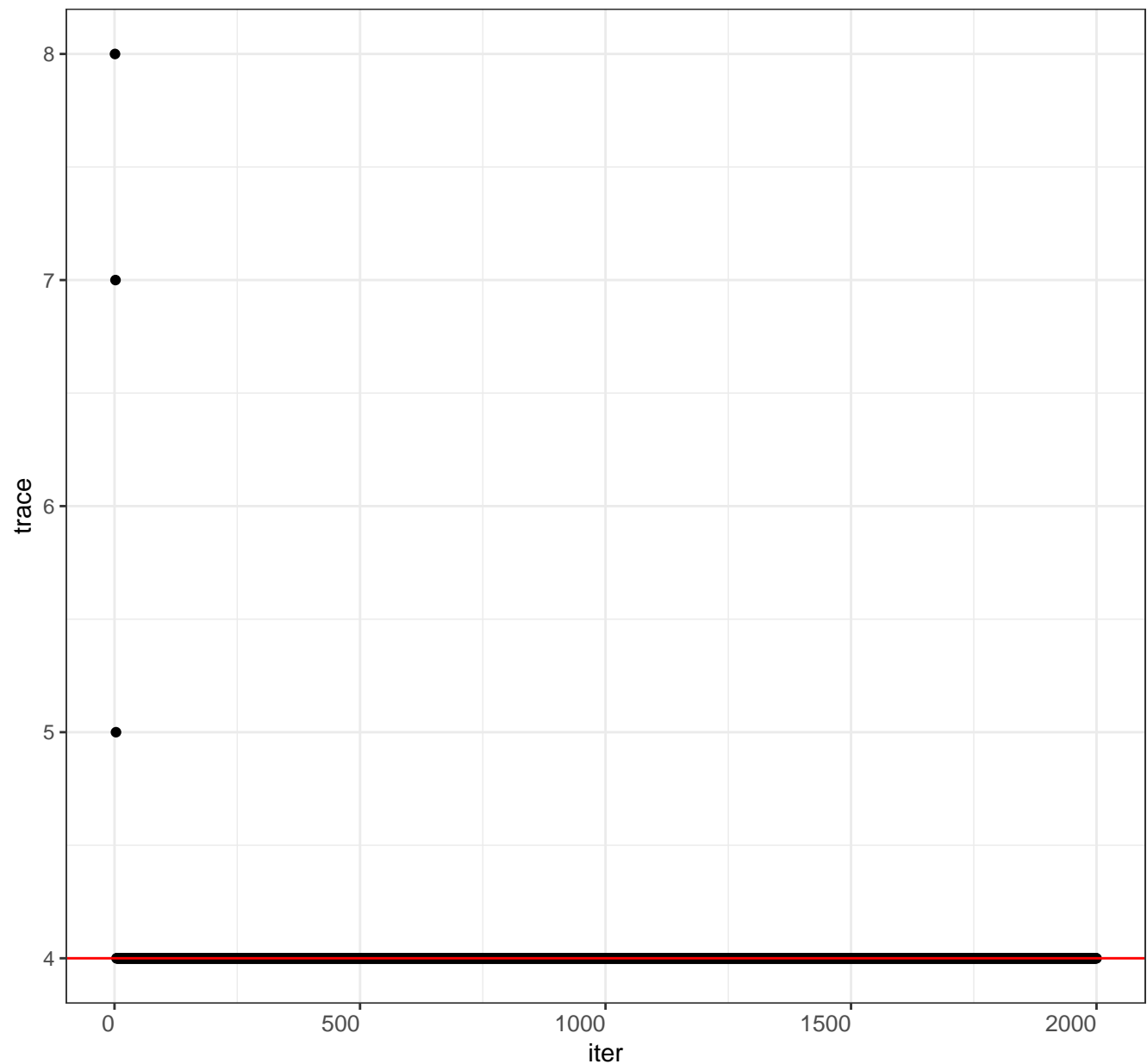
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2

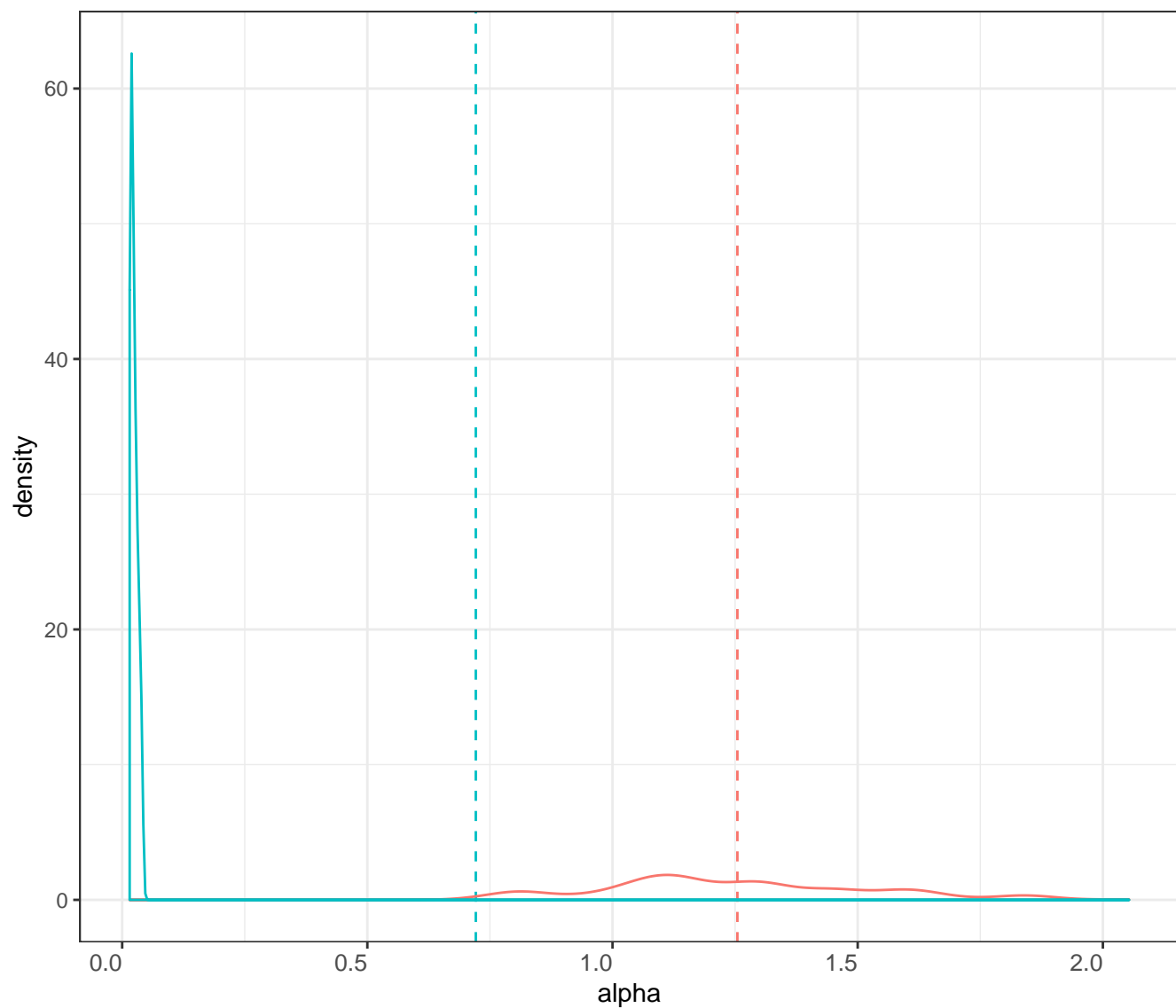
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



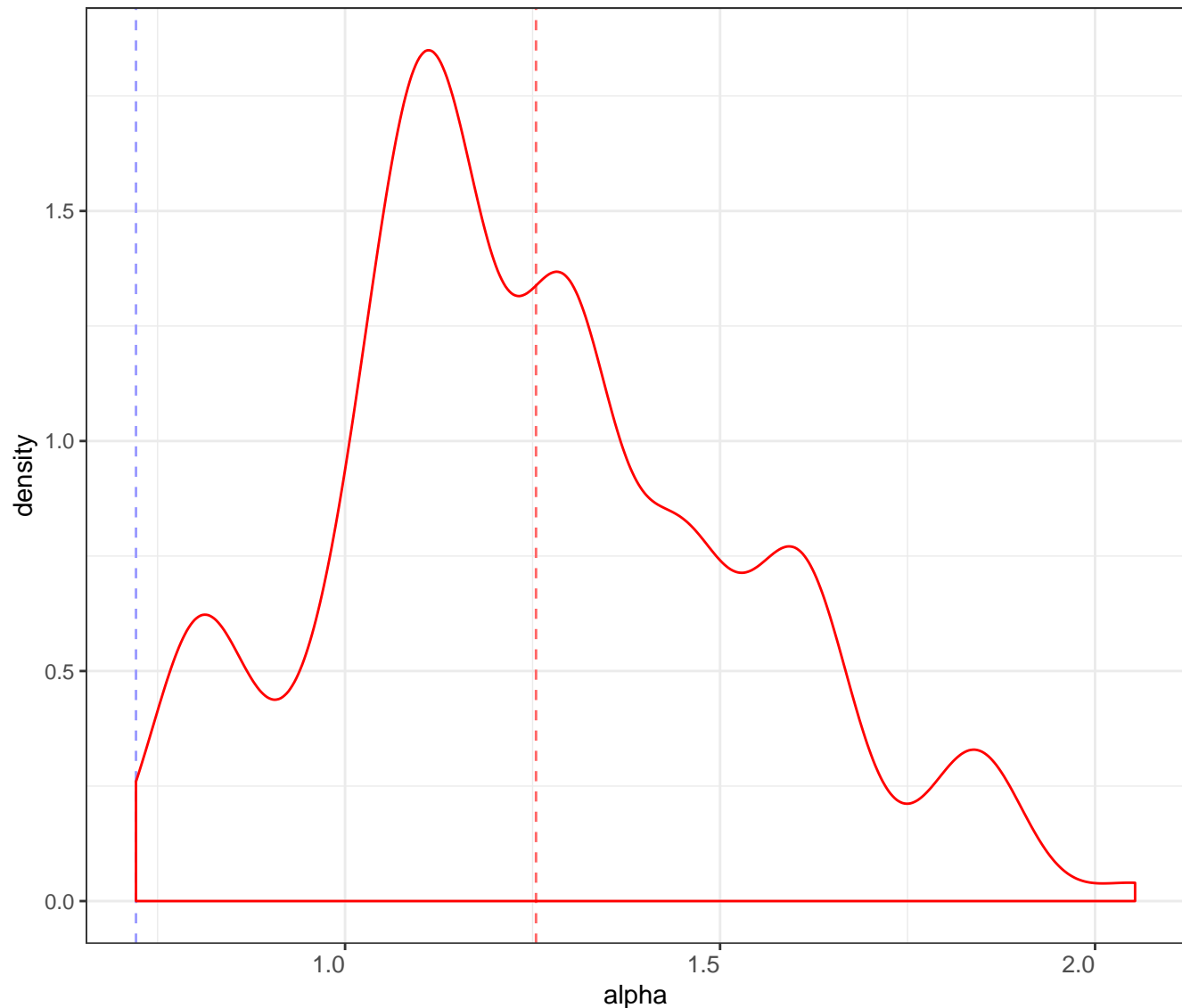
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

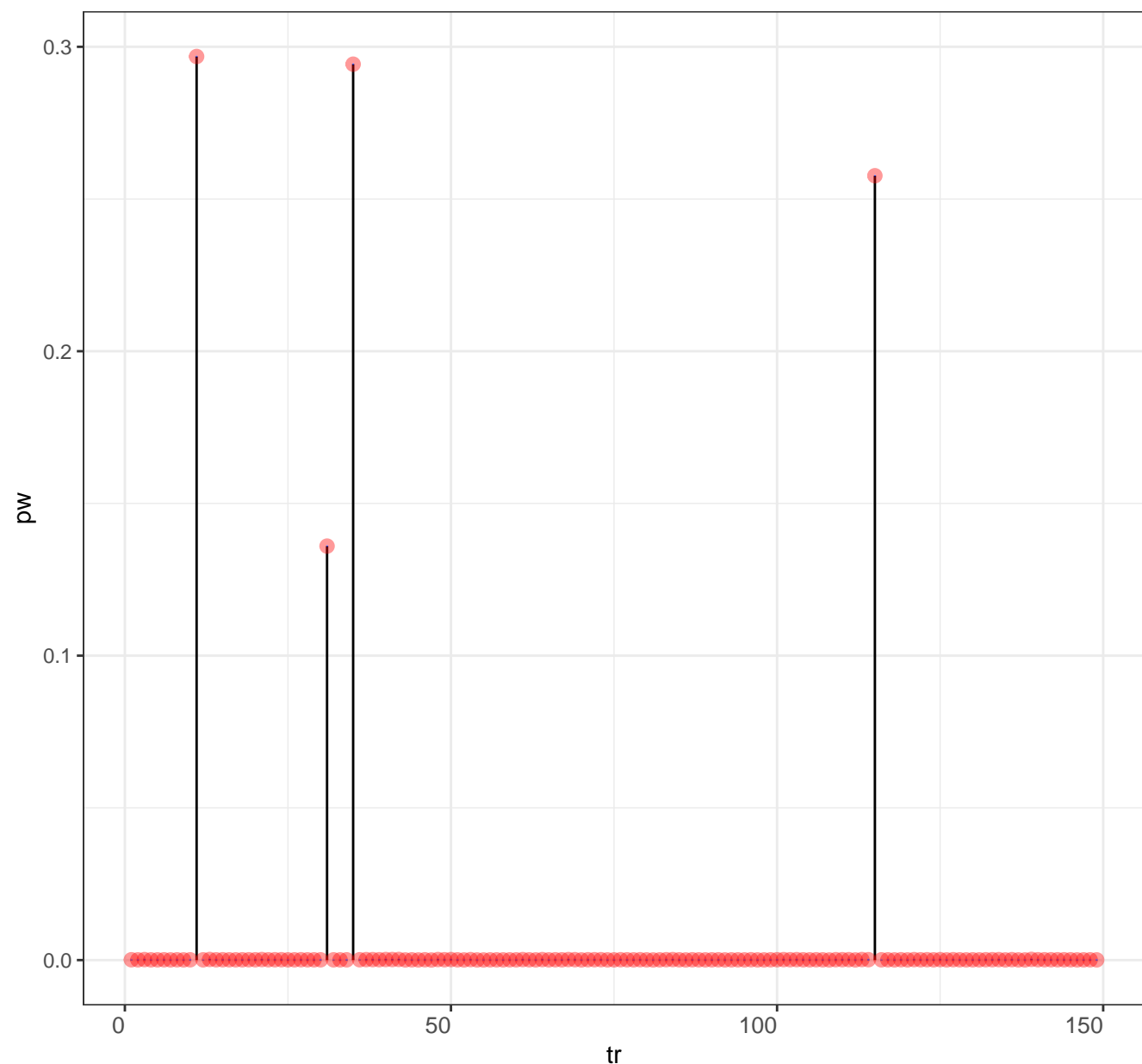
posterior mean

prior mean



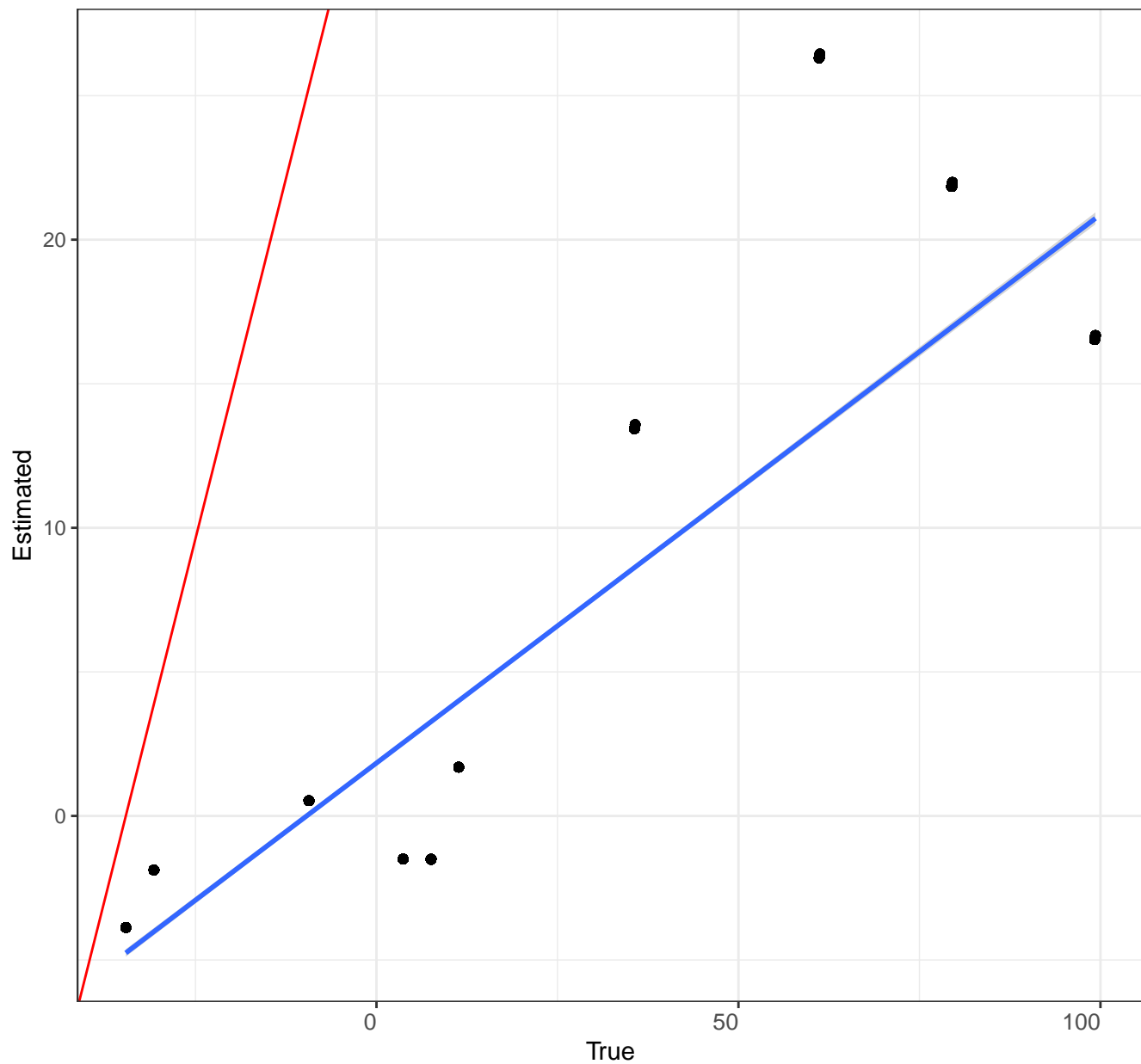
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



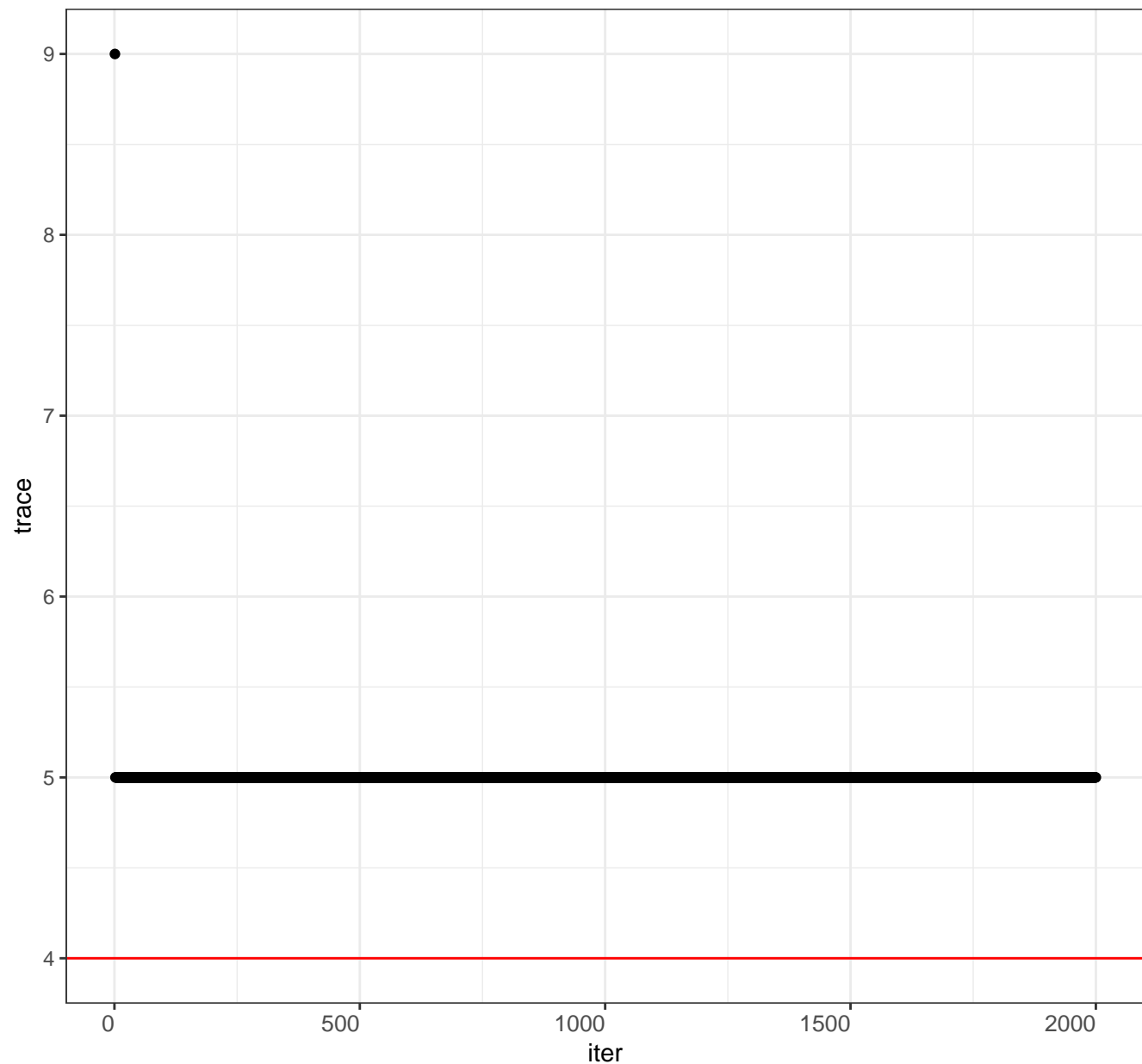
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2

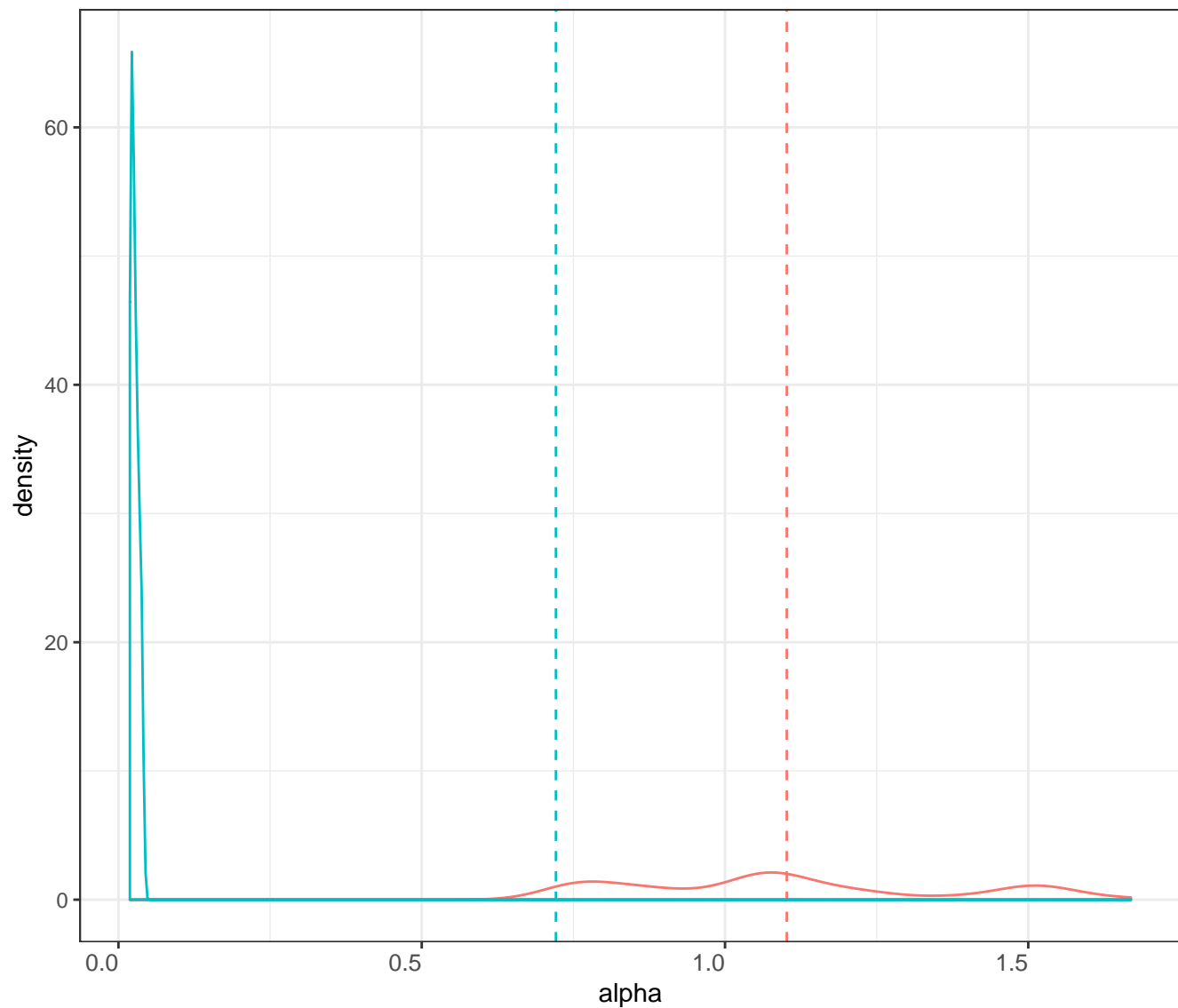
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



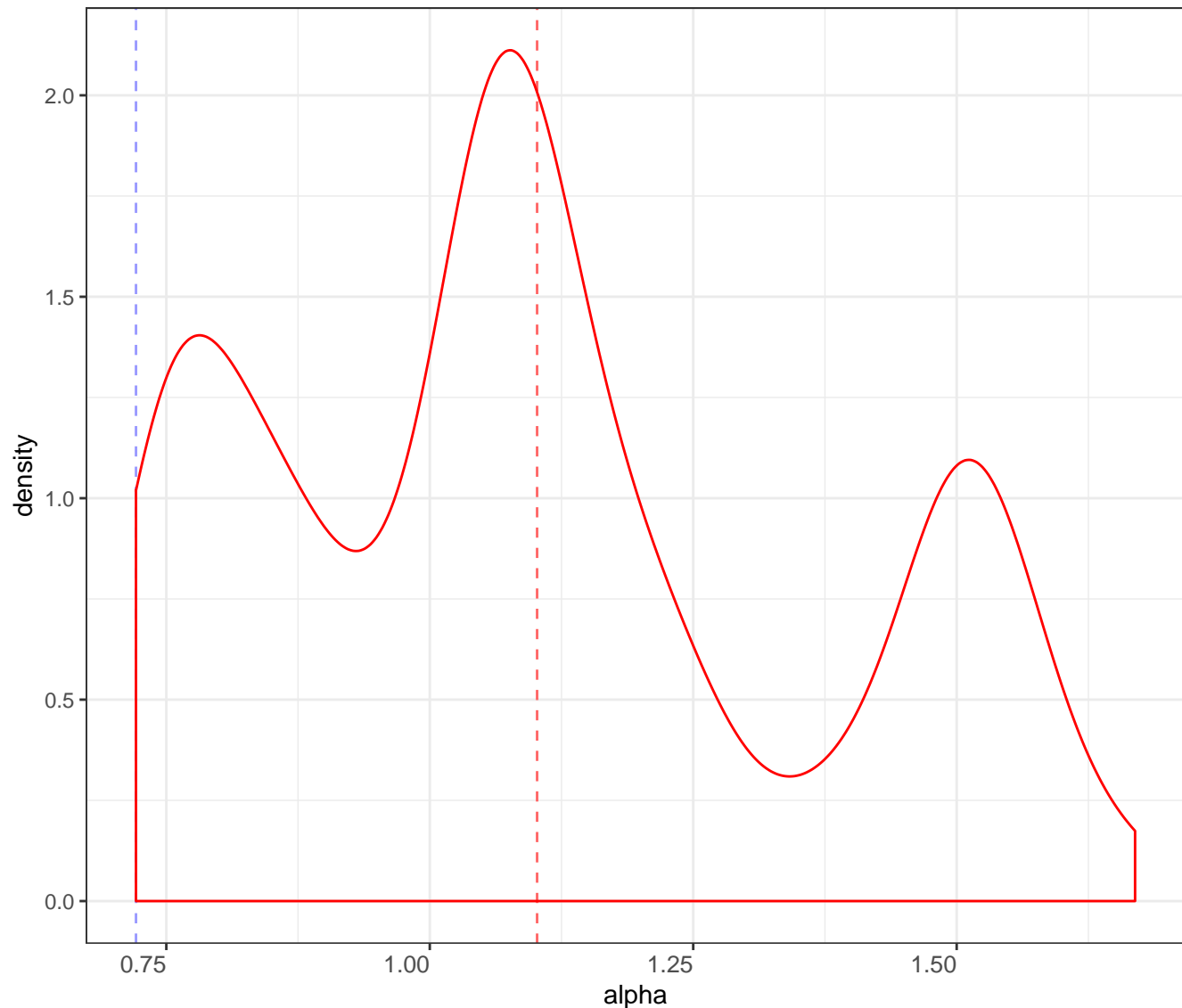
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

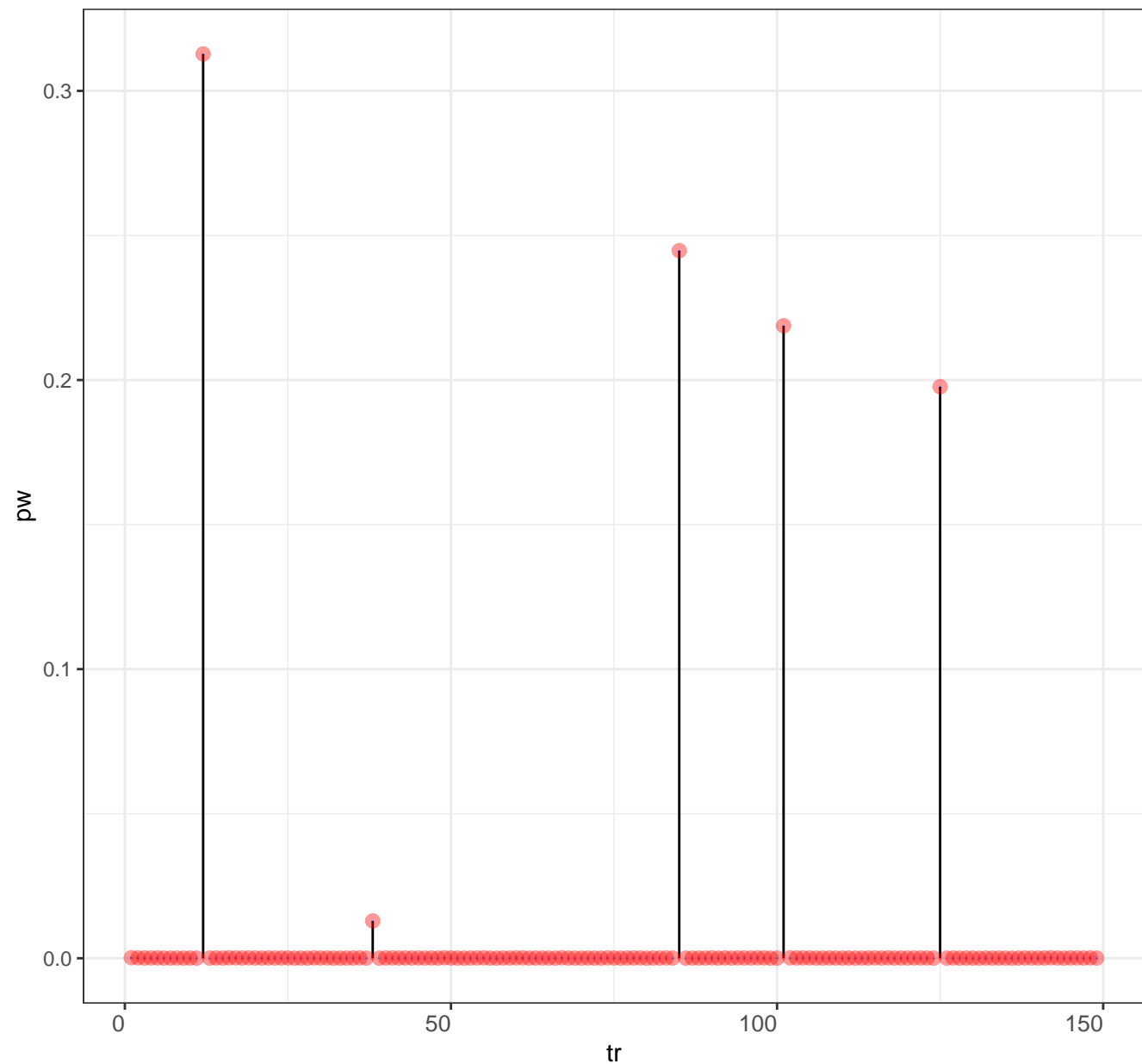
posterior mean

prior mean



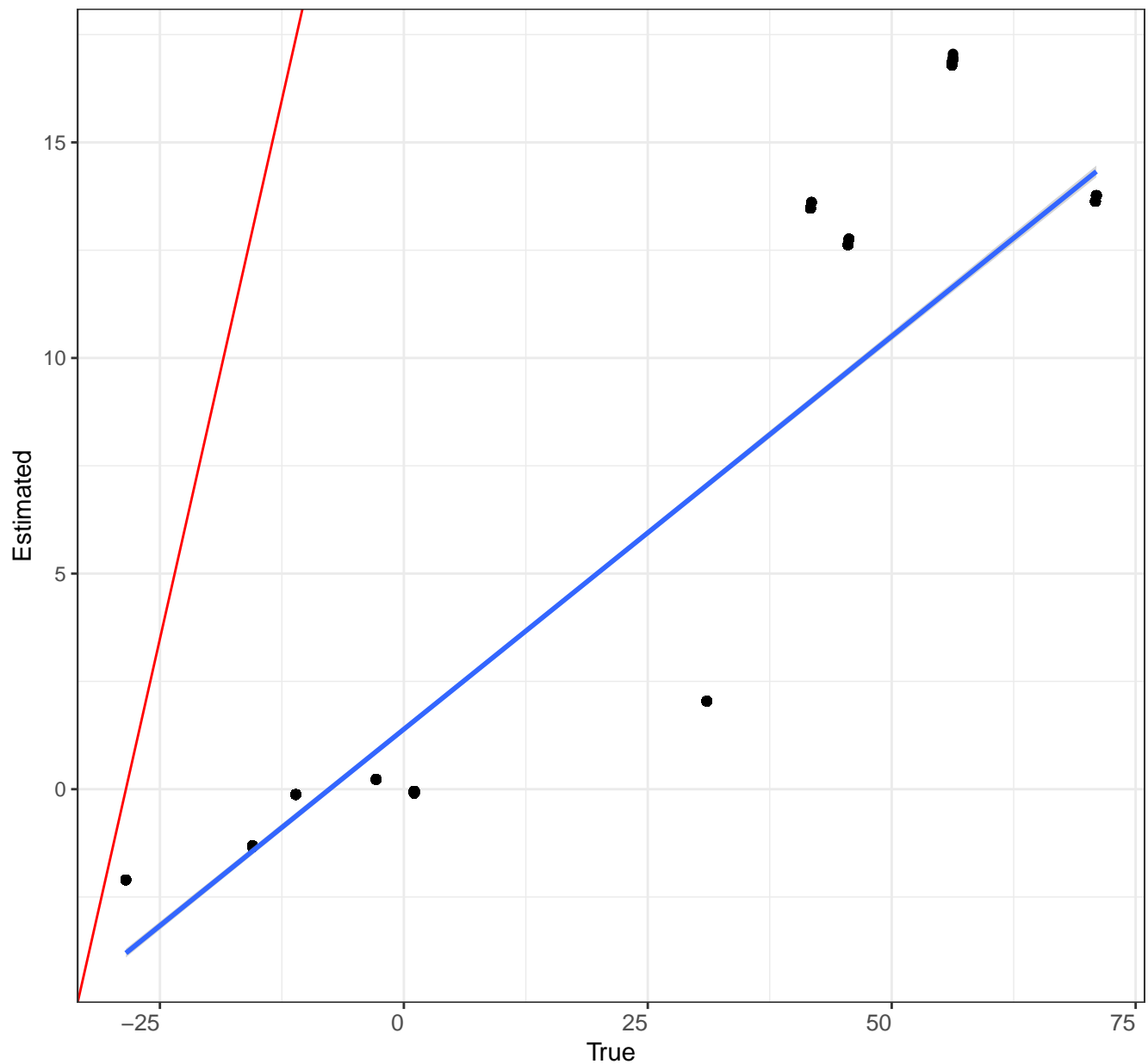
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



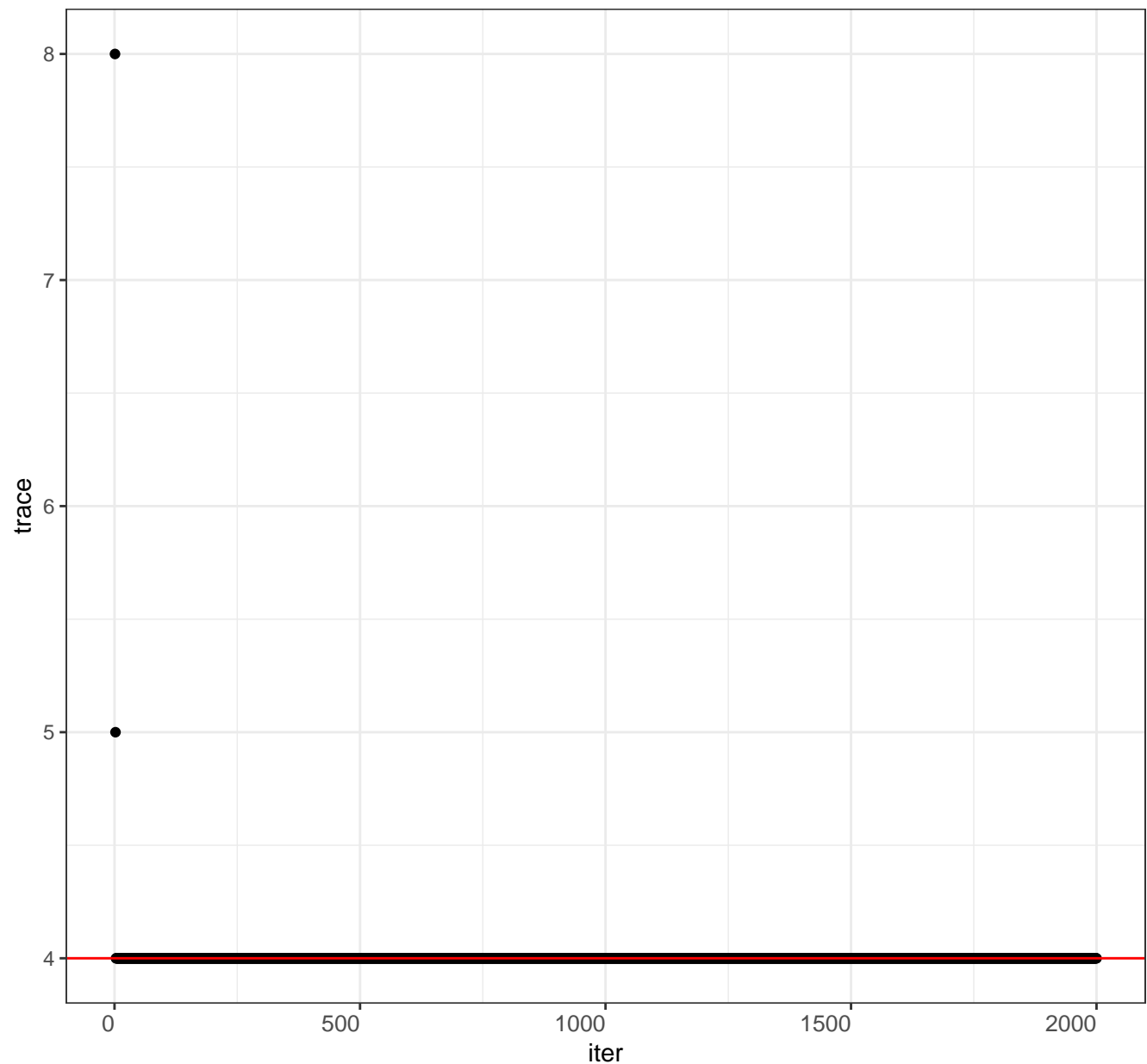
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2

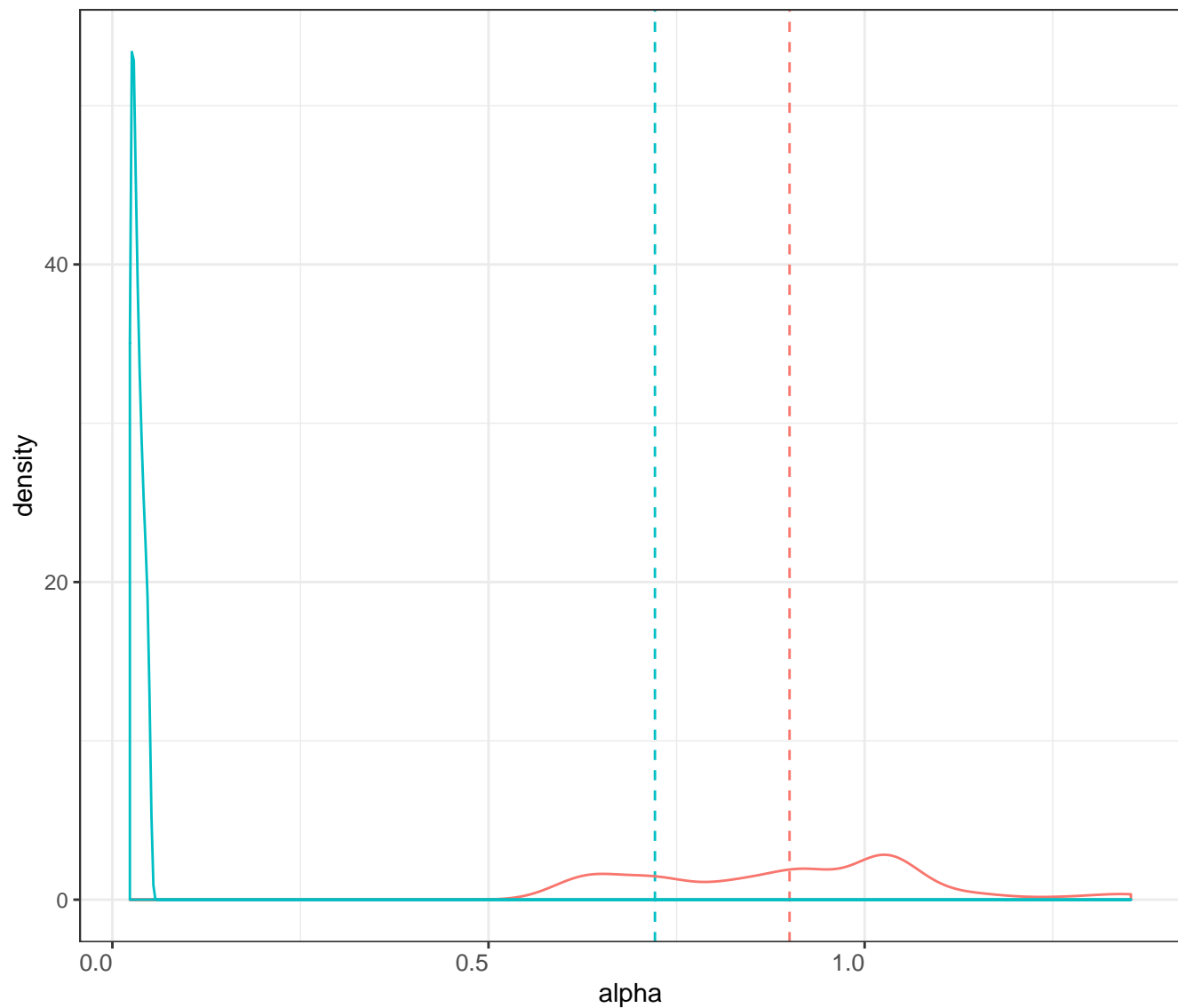
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

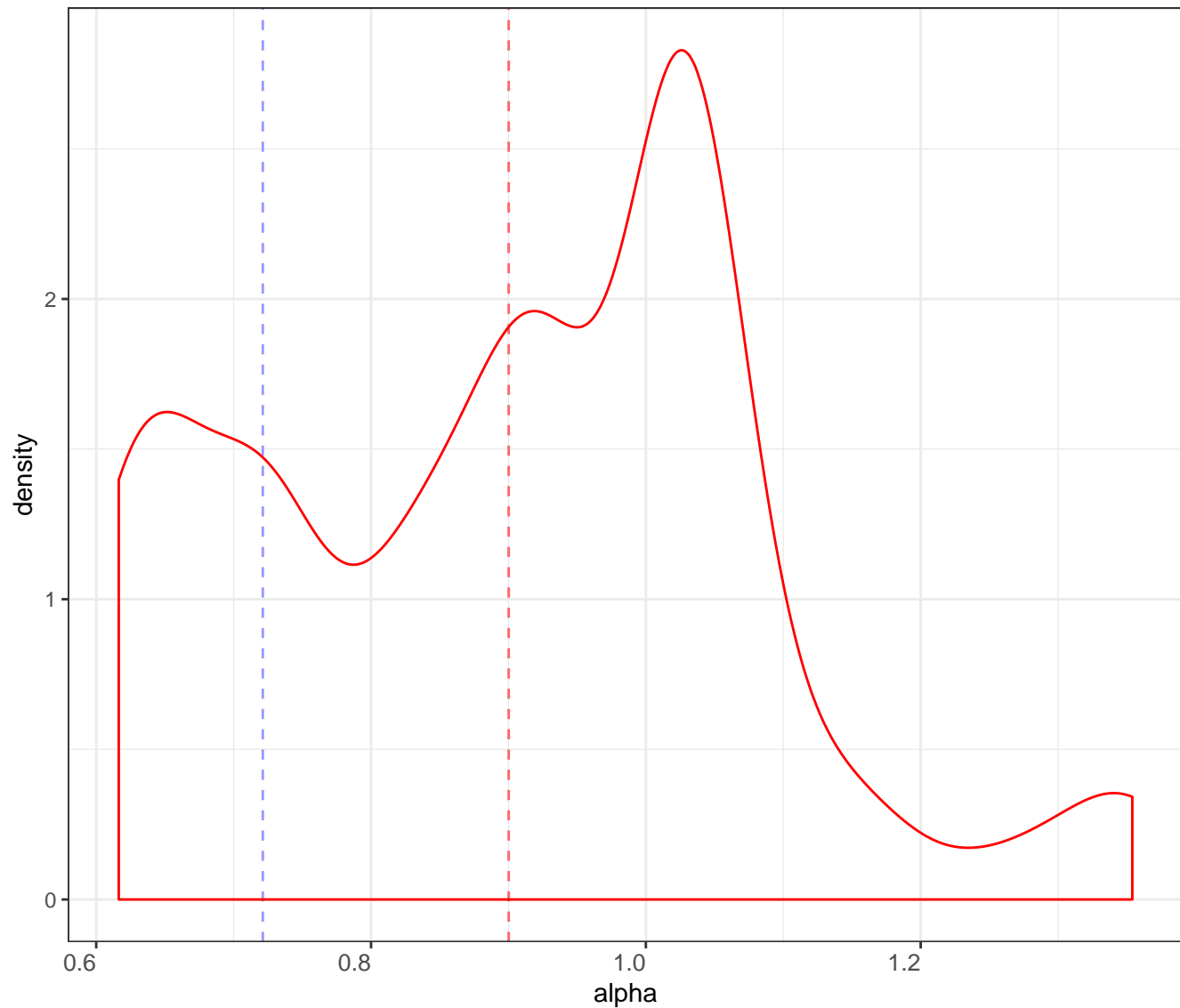
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

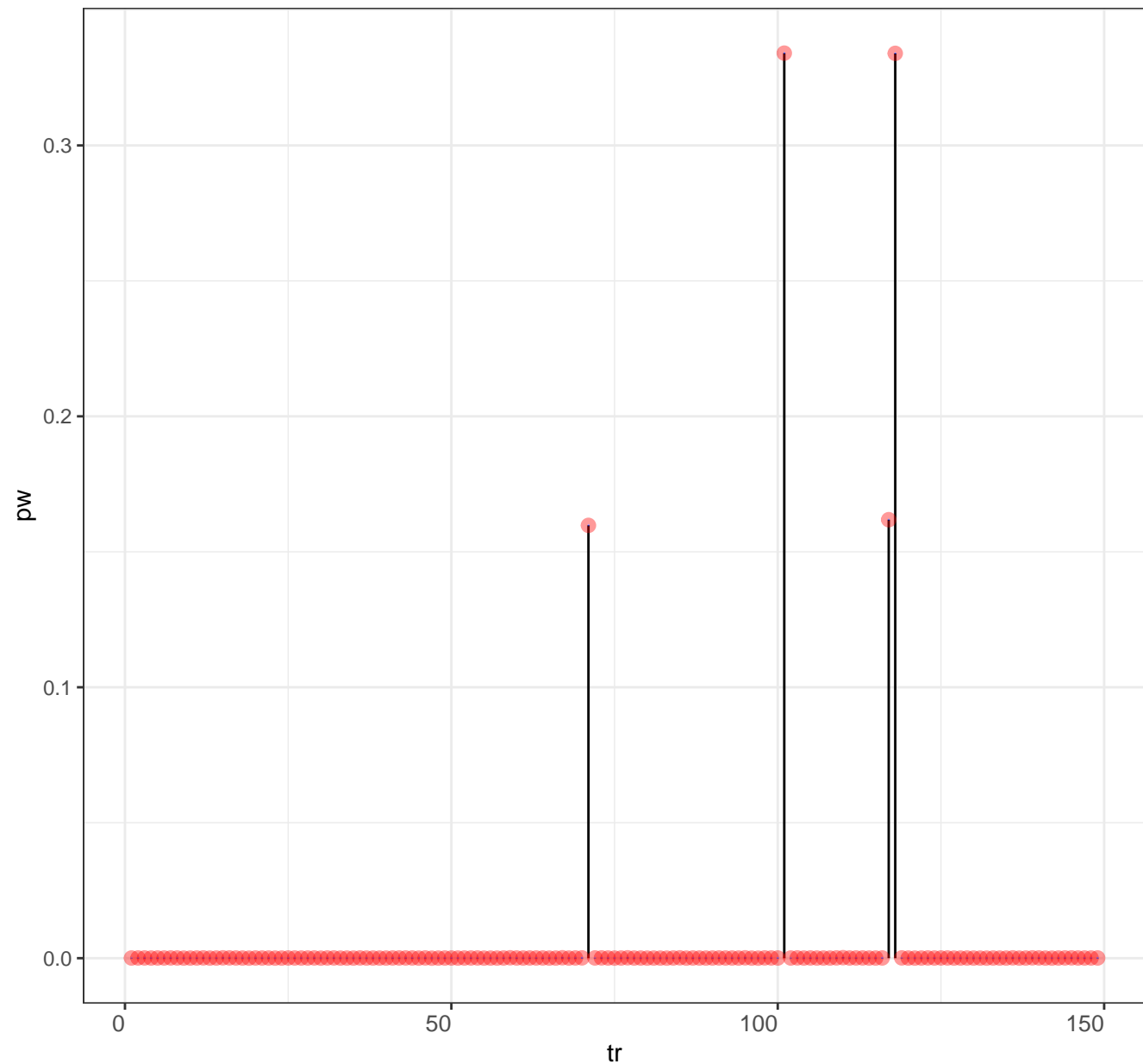
Posterior distribution for alpha

Legend posterior mean prior mean



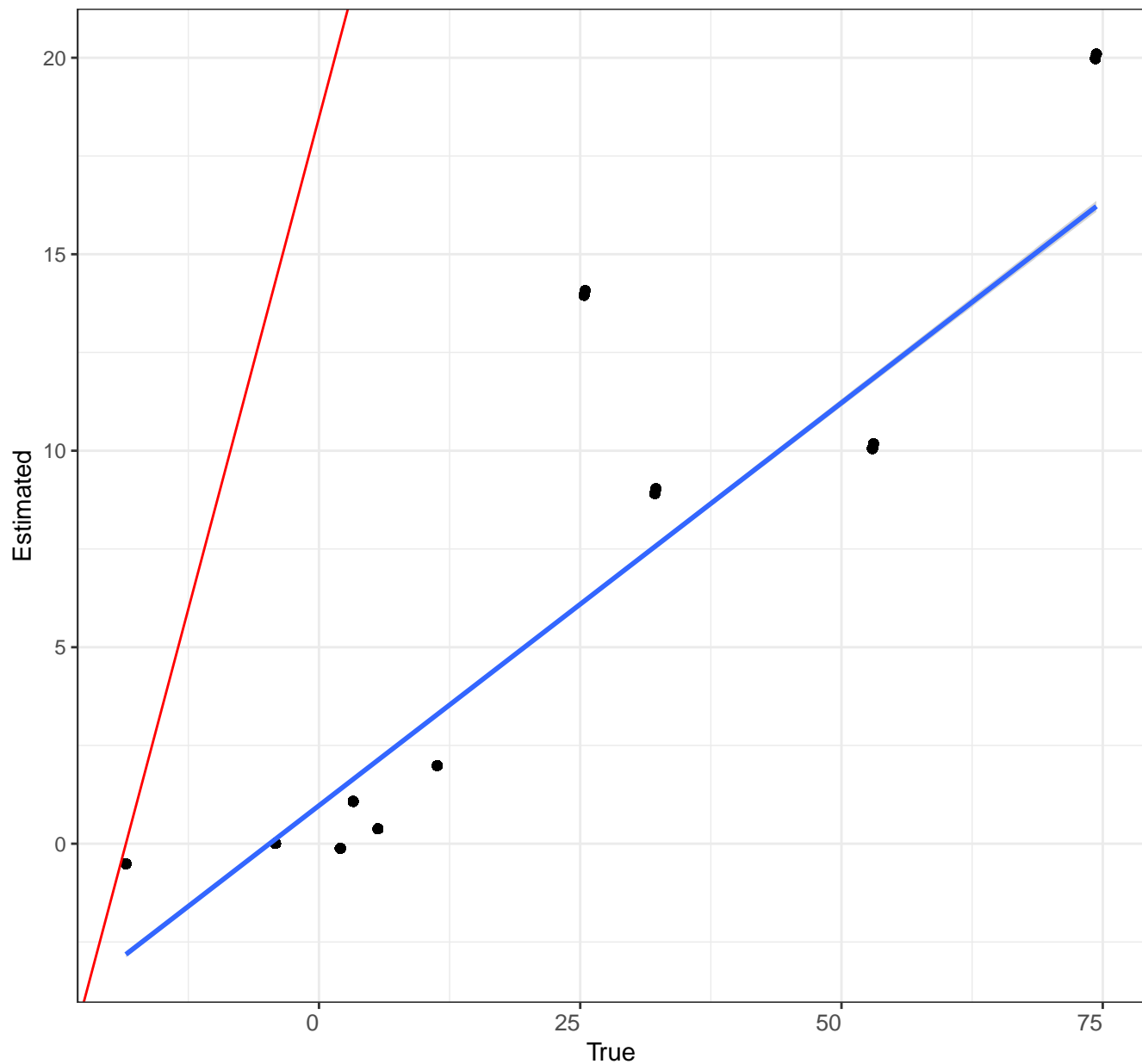
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



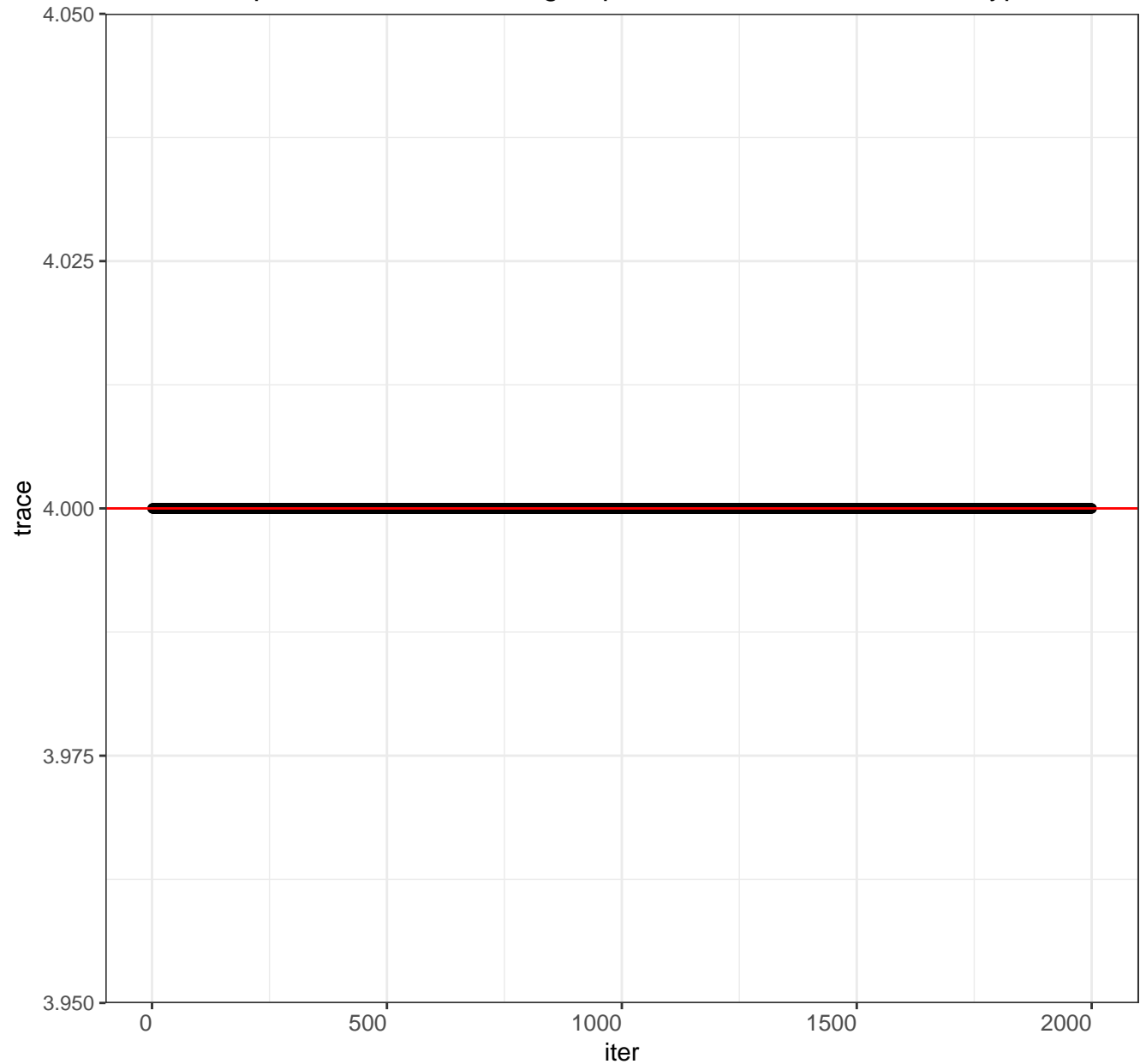
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2

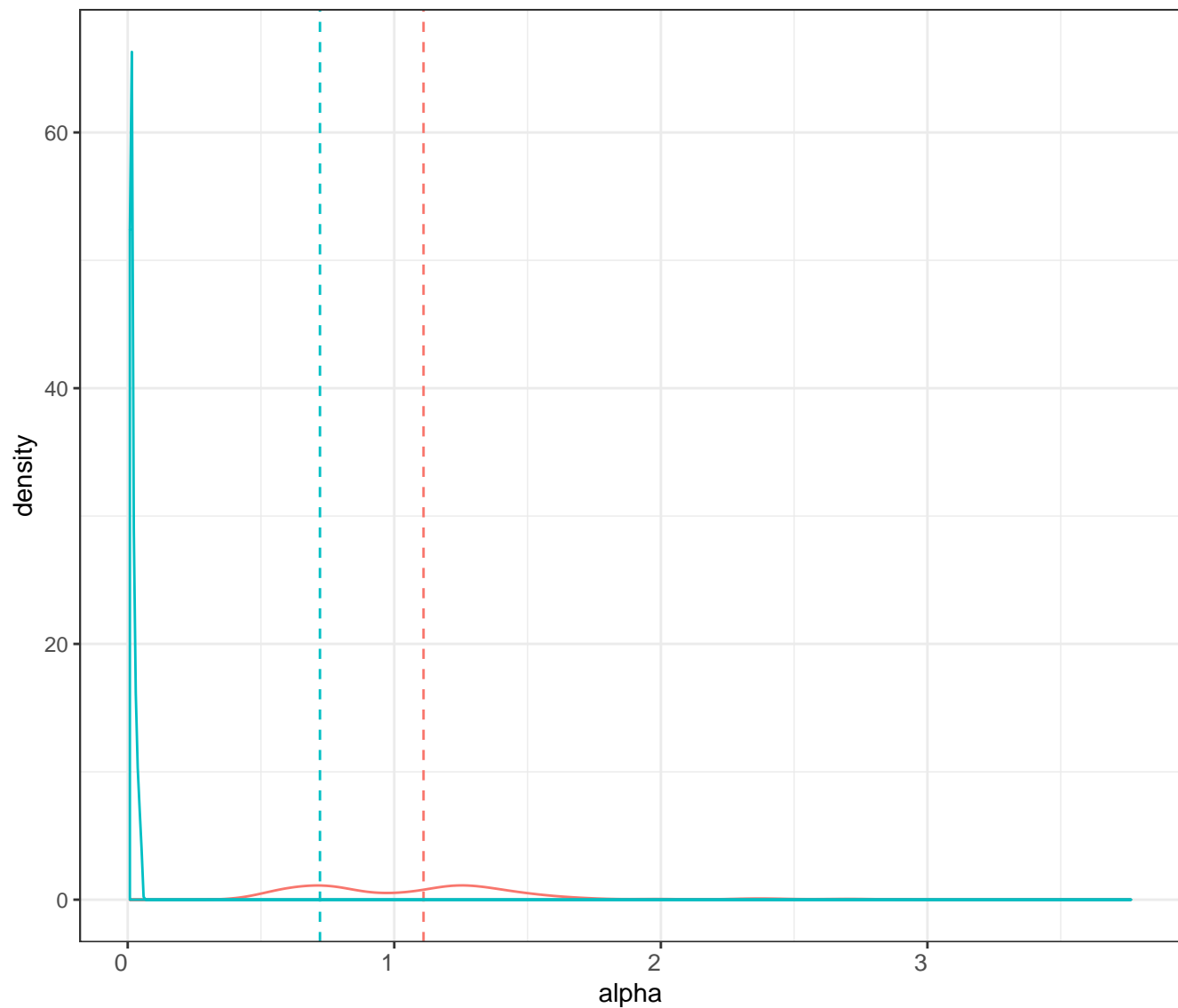
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

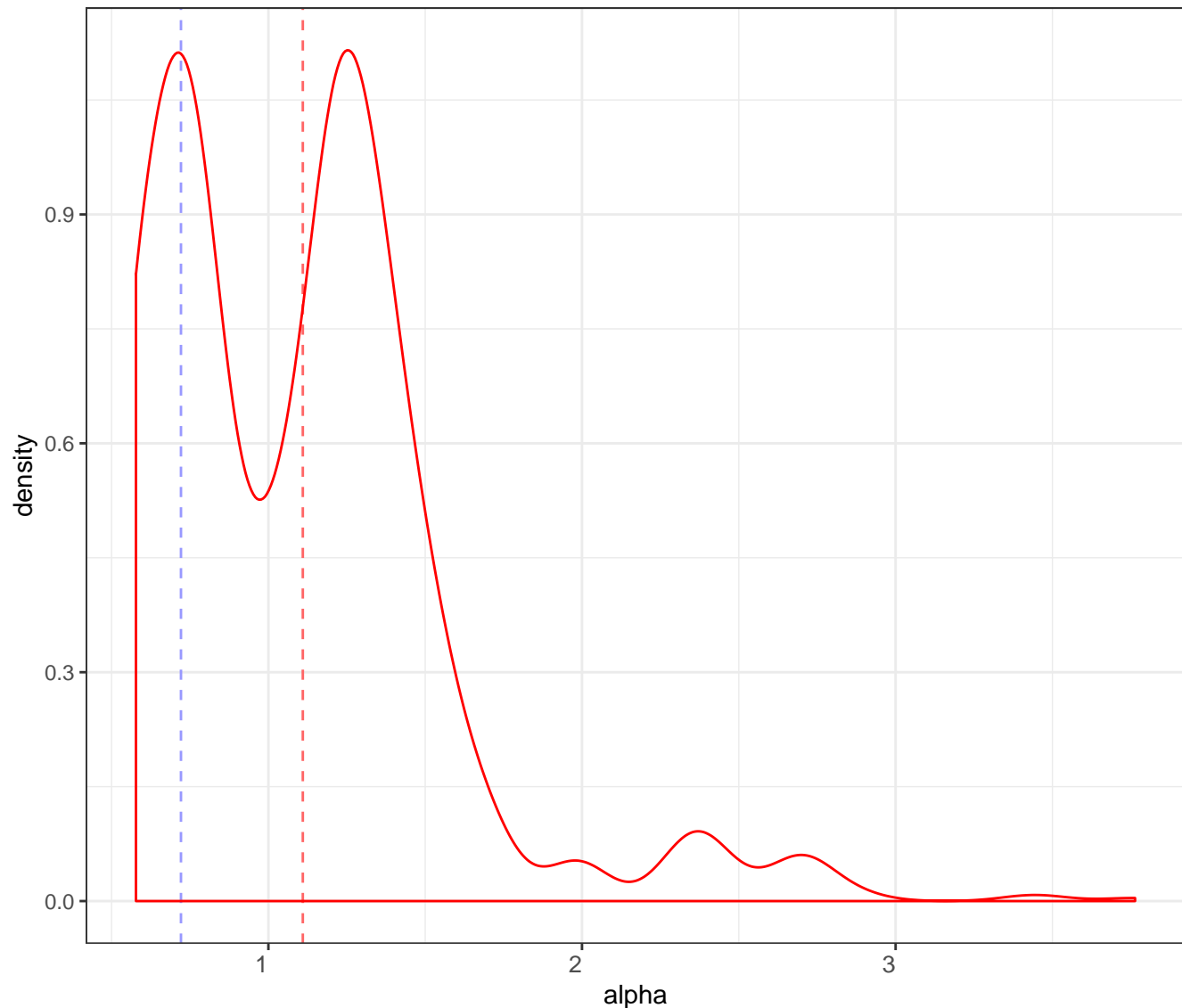
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

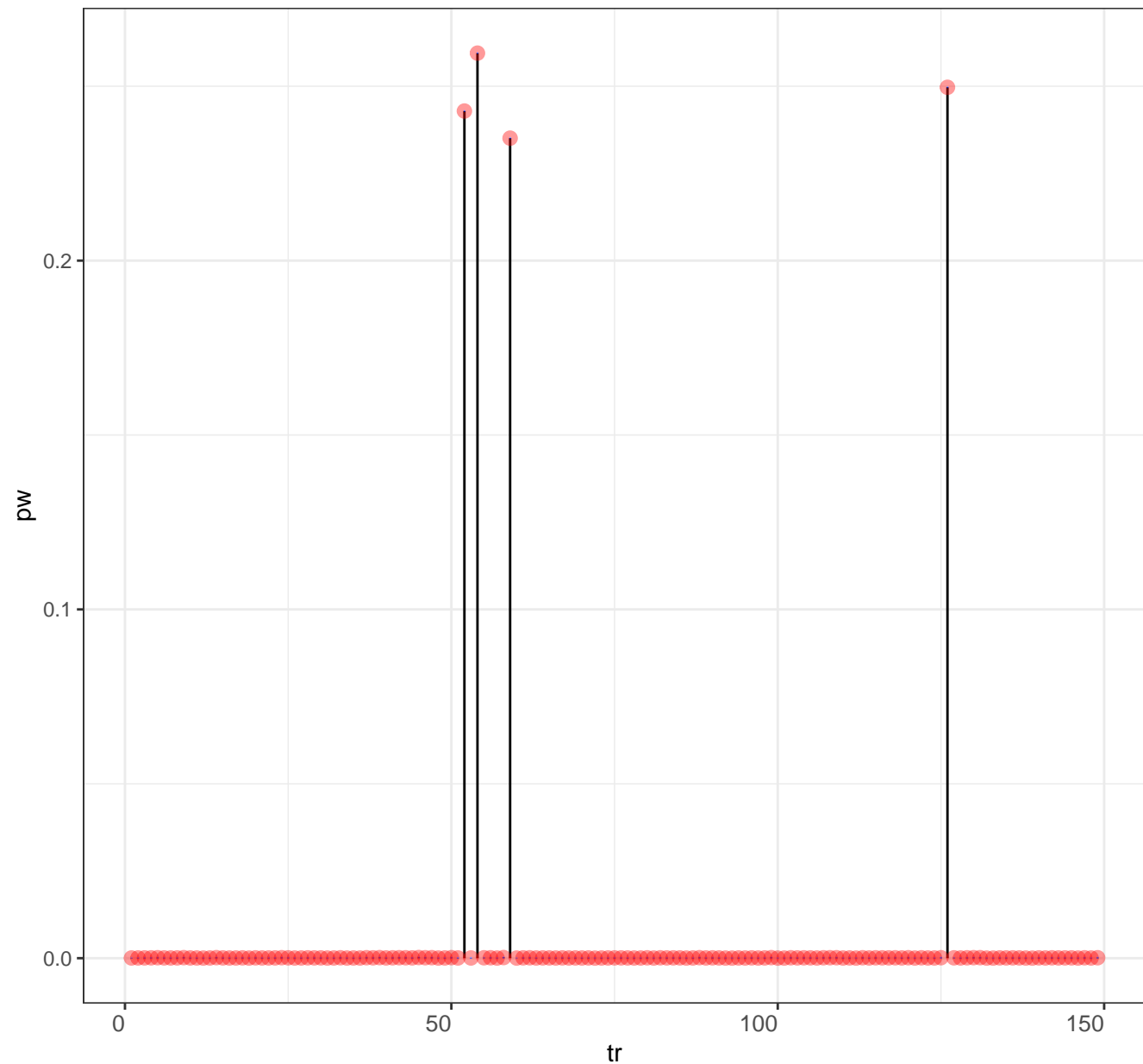
Posterior distribution for alpha

Legend posterior mean prior mean



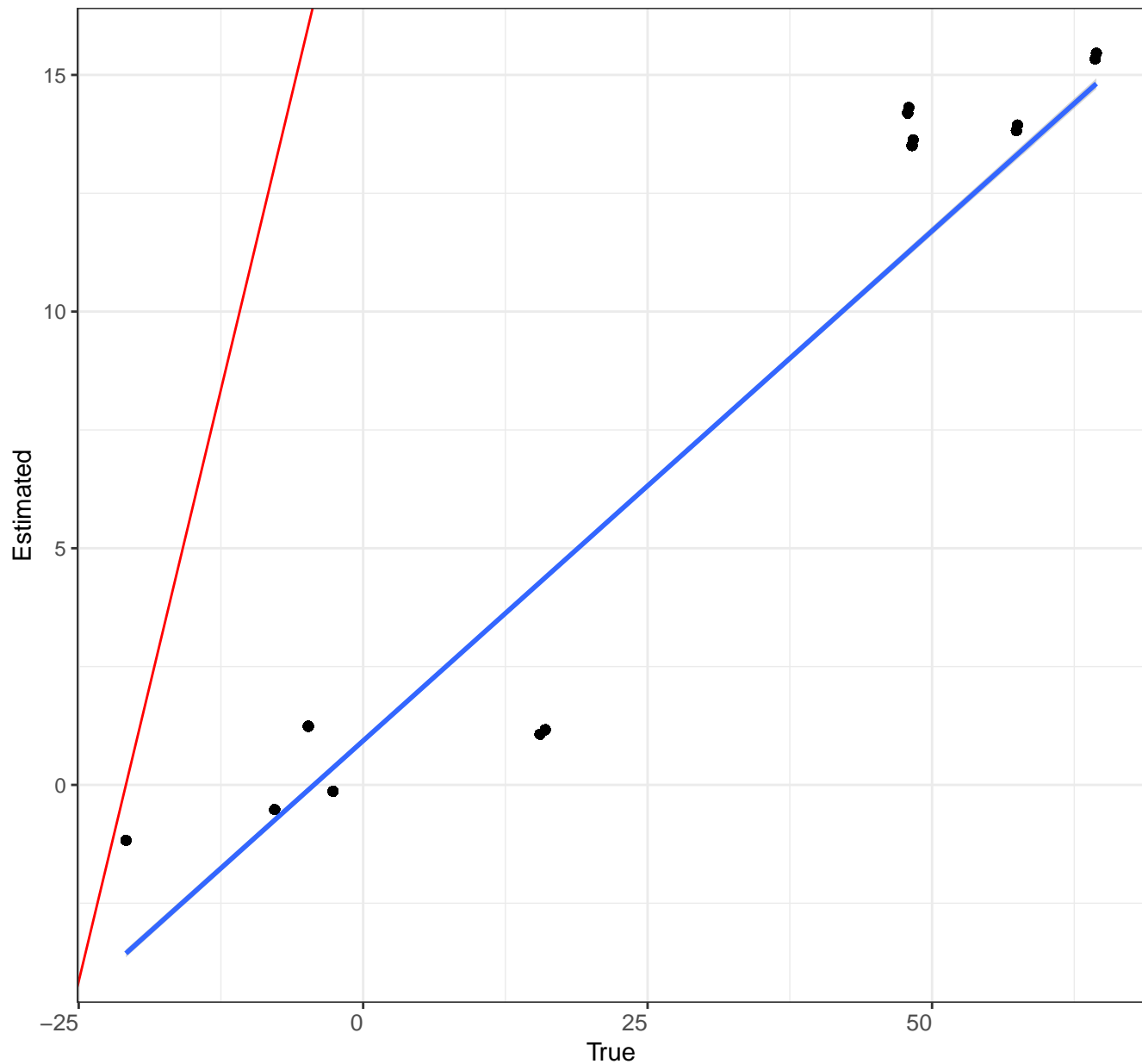
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



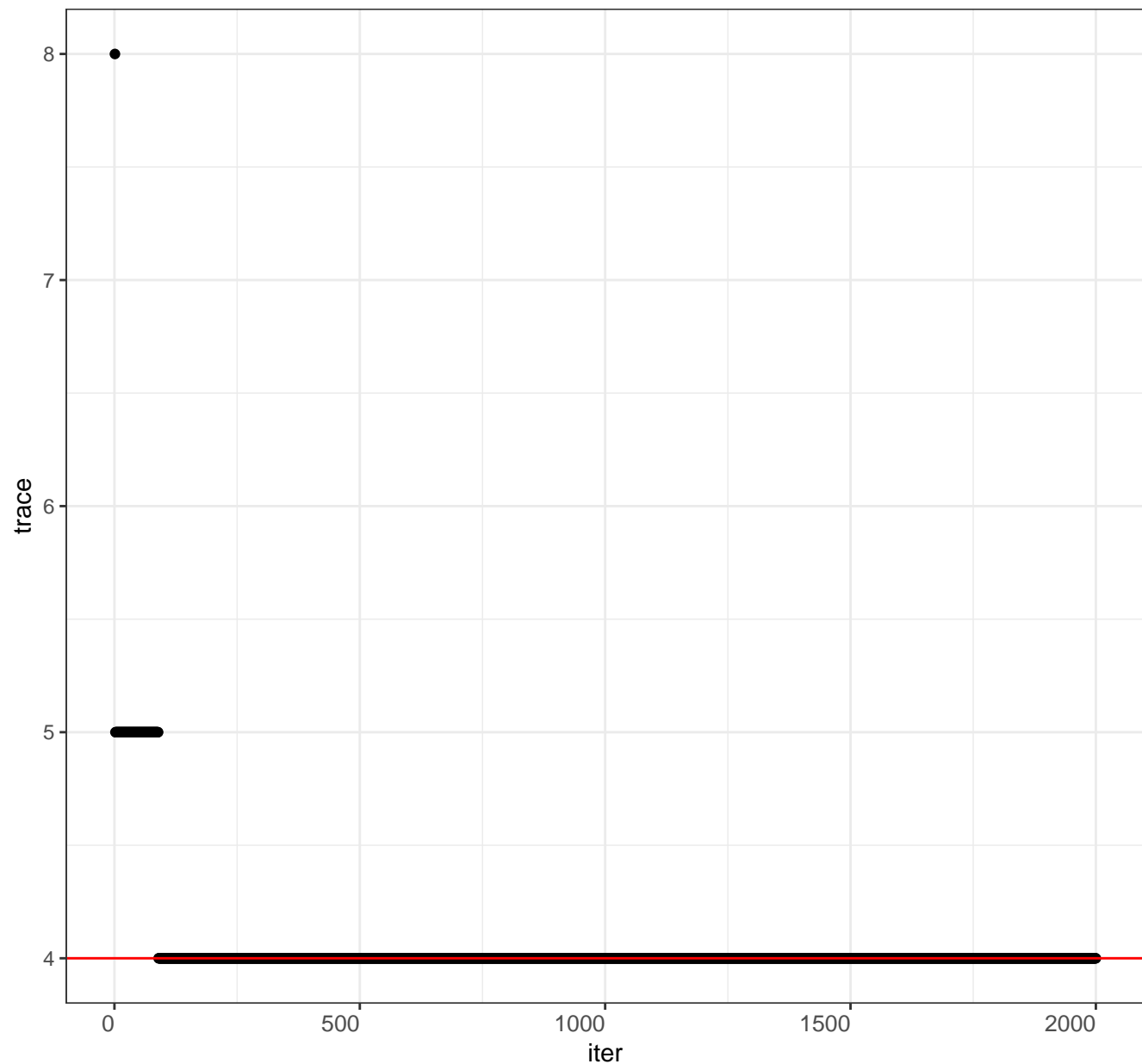
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2

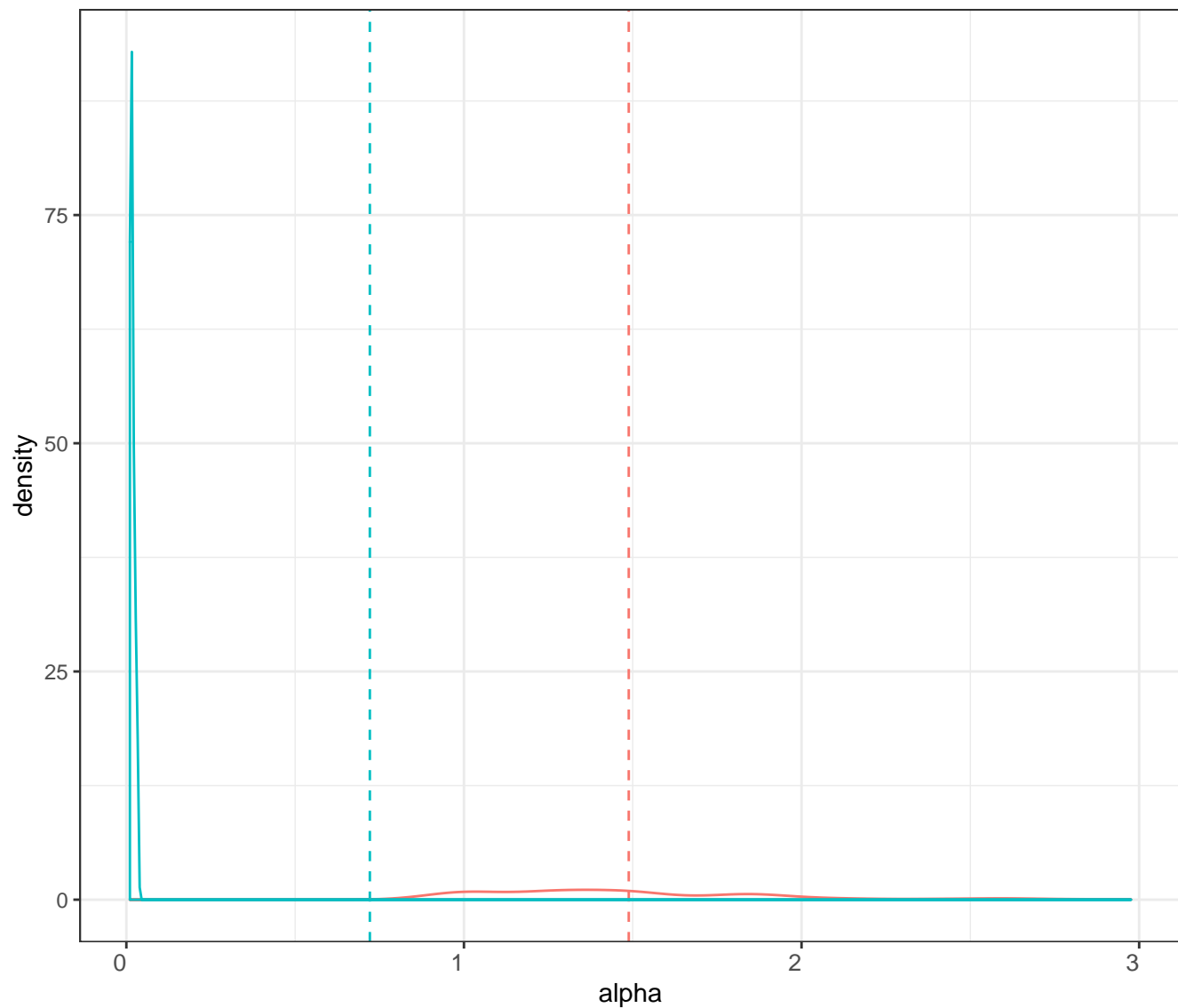
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



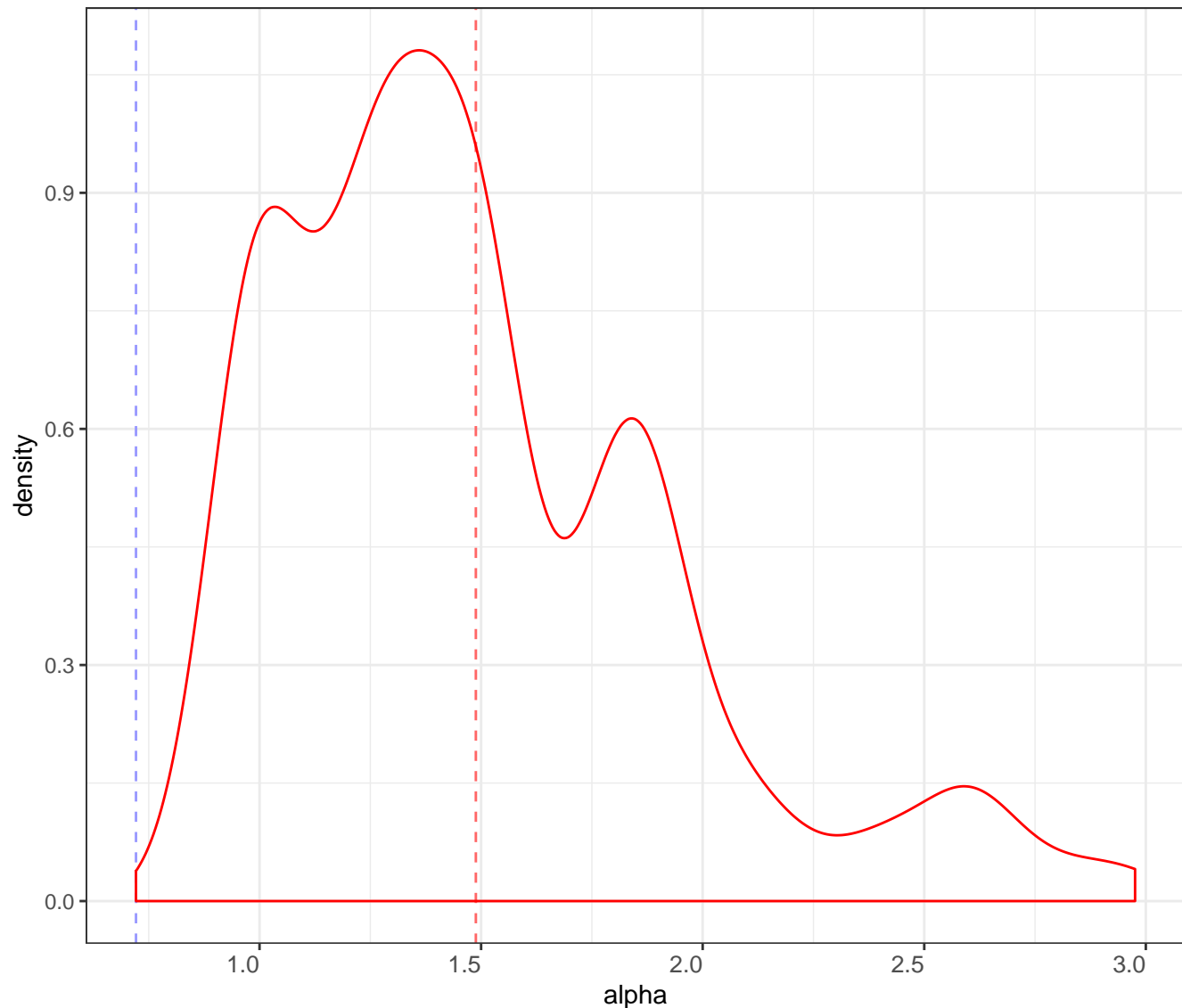
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

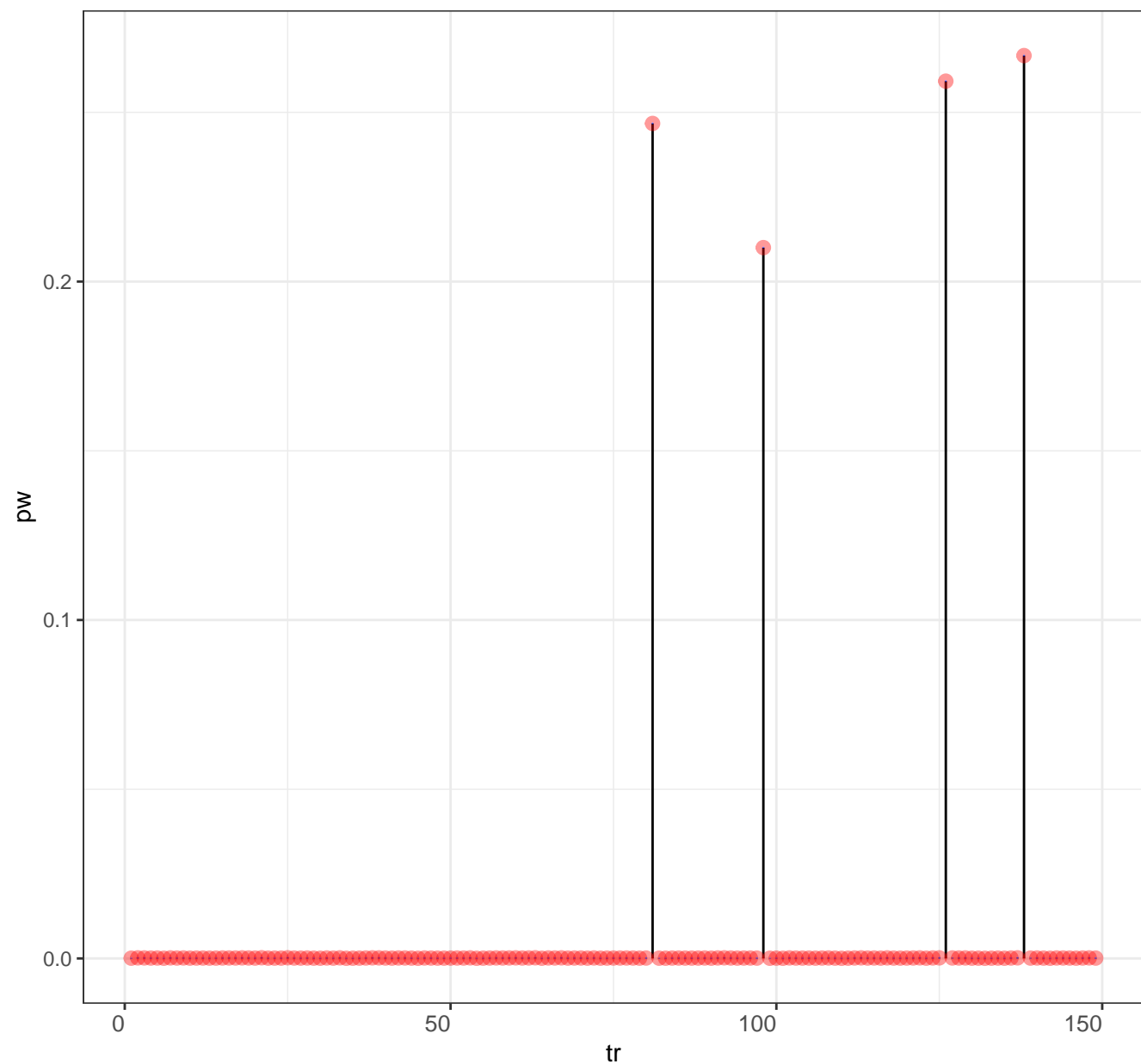
posterior mean

prior mean



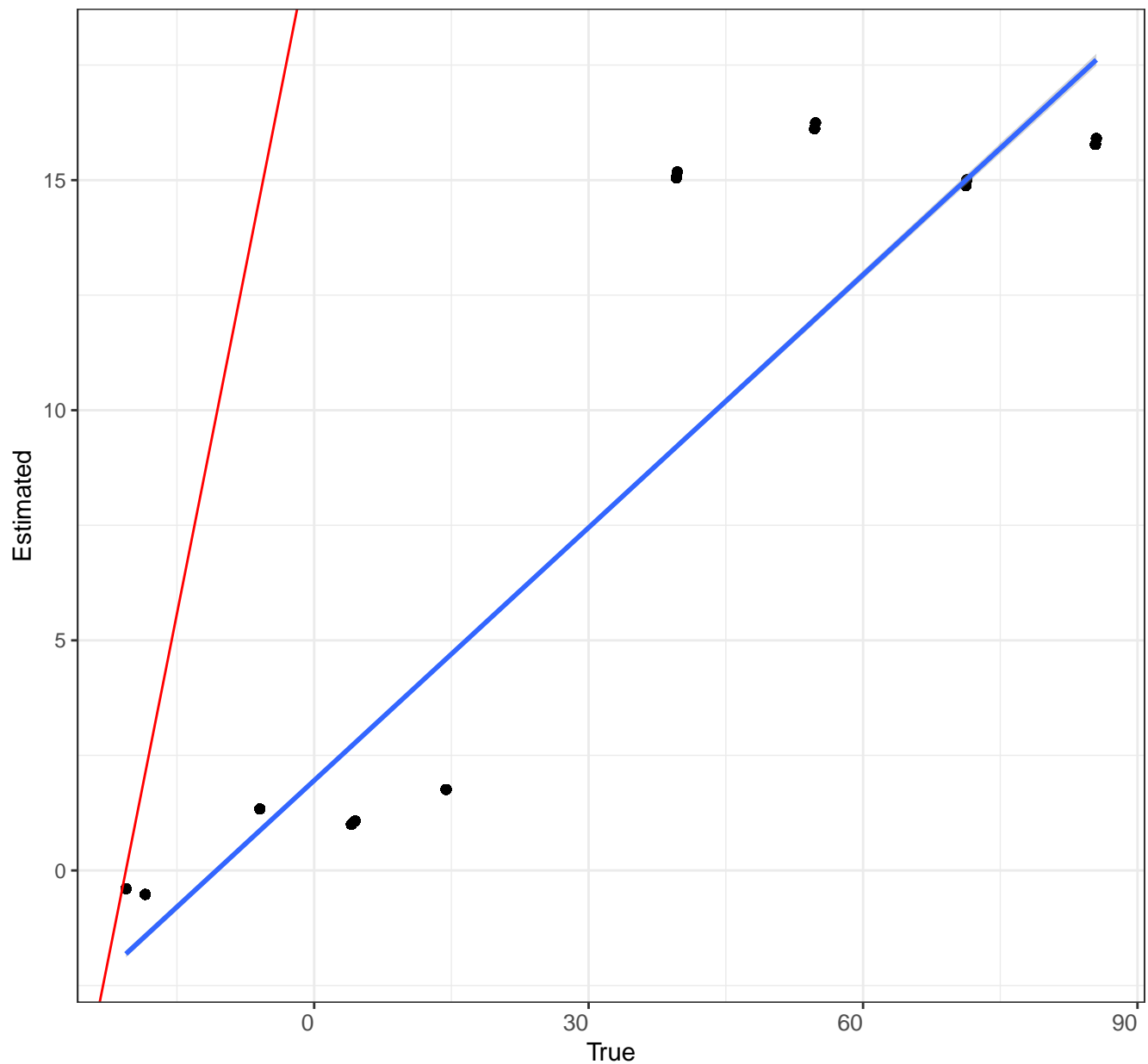
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



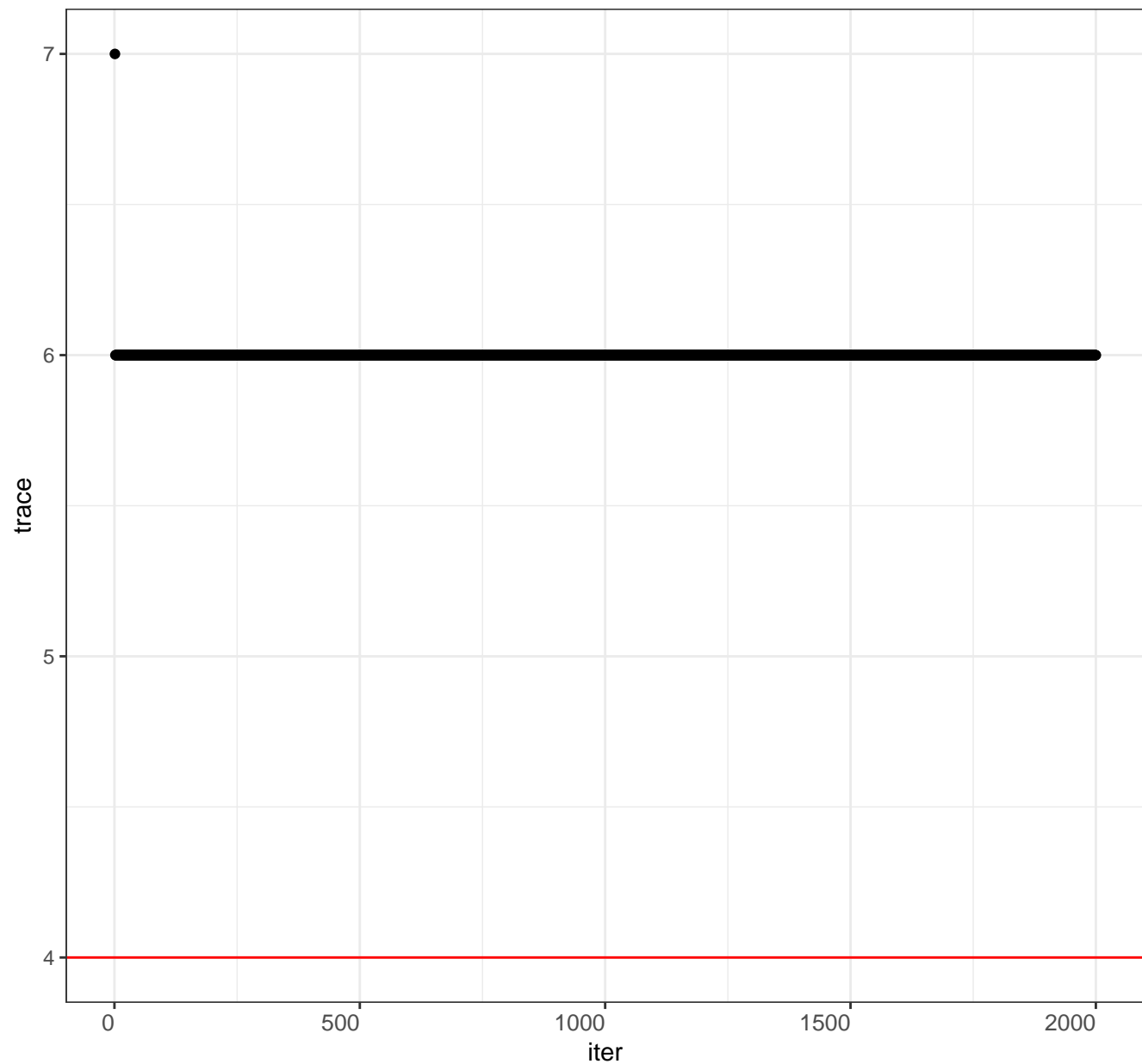
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2

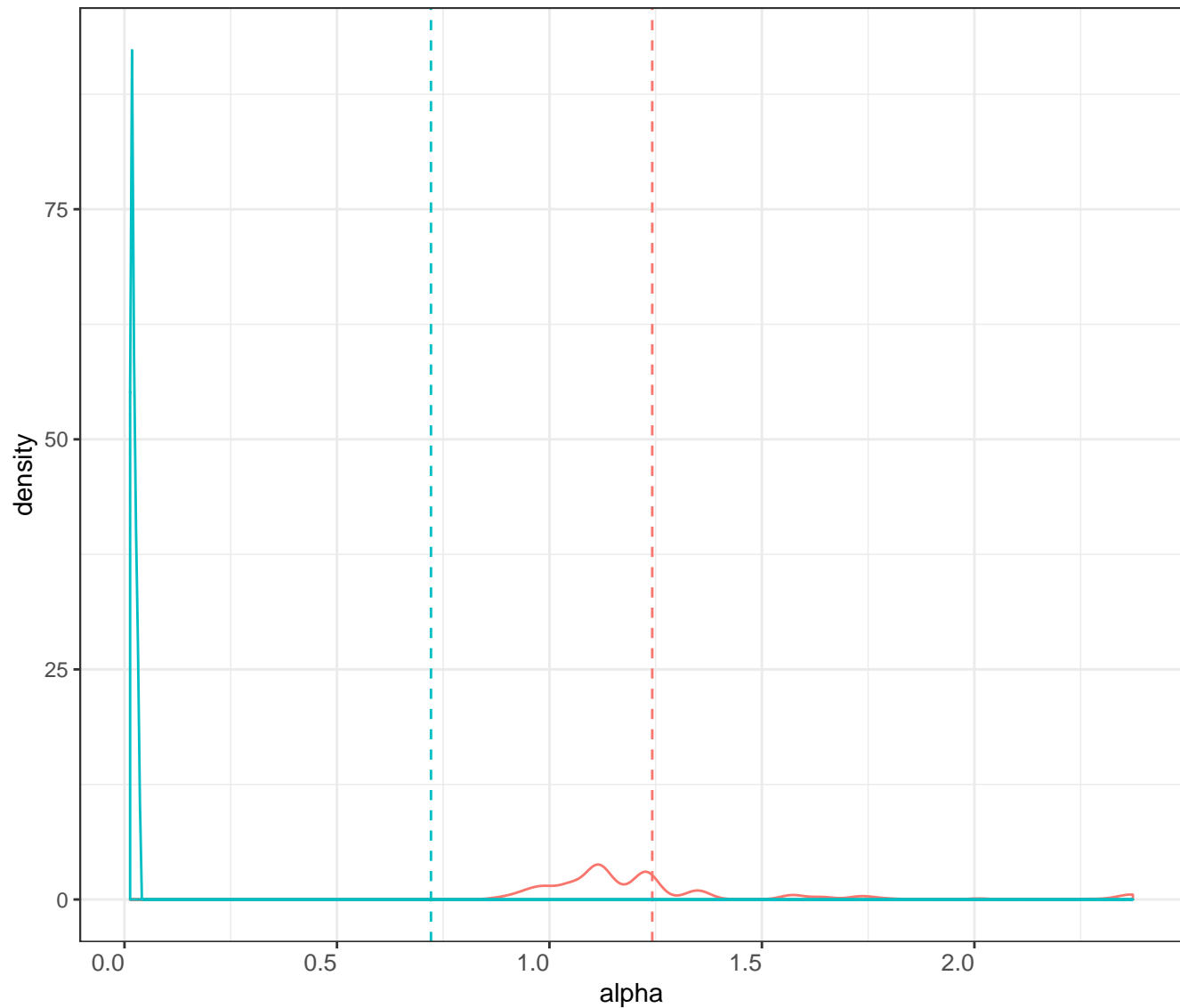
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



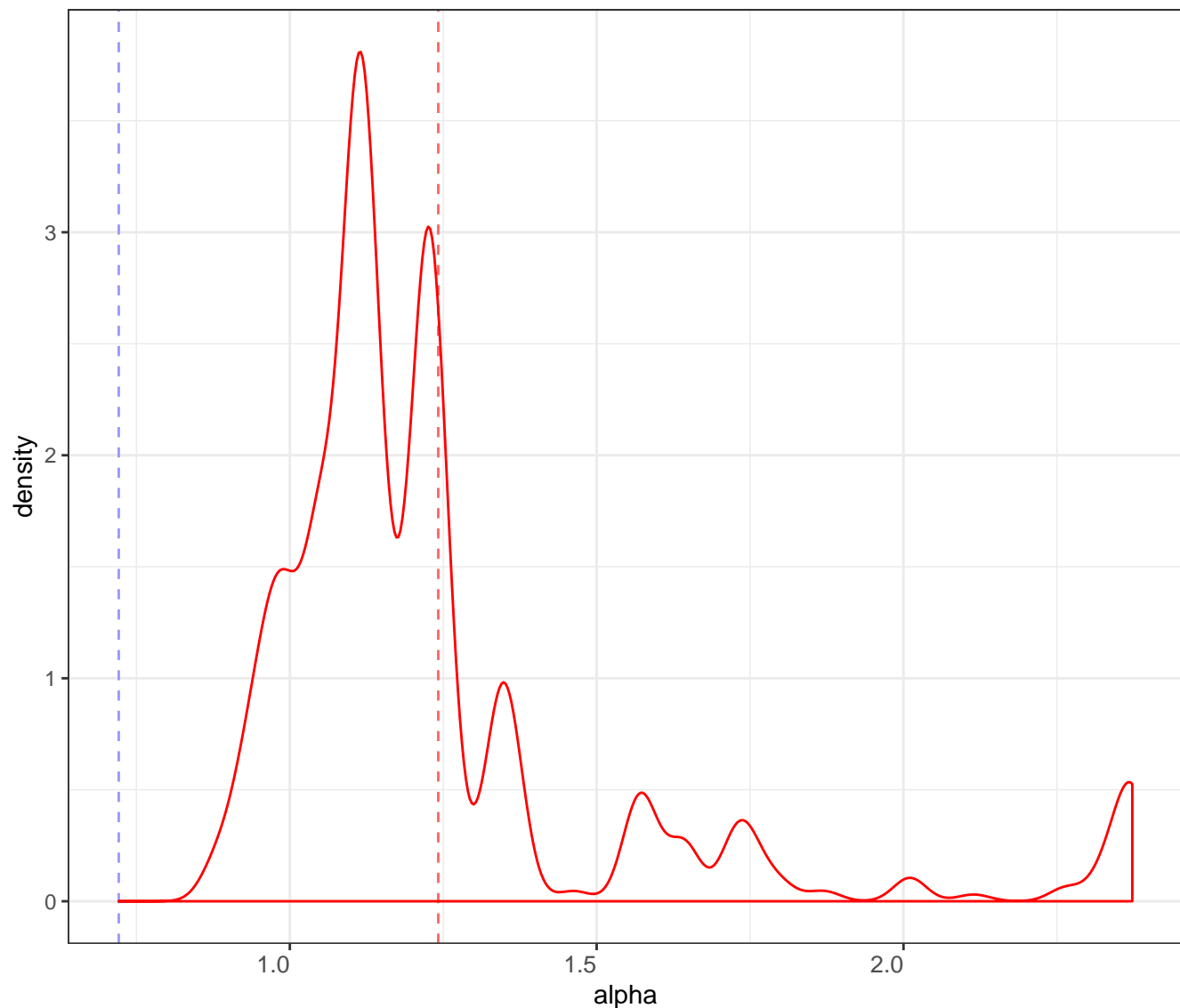
Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

Legend

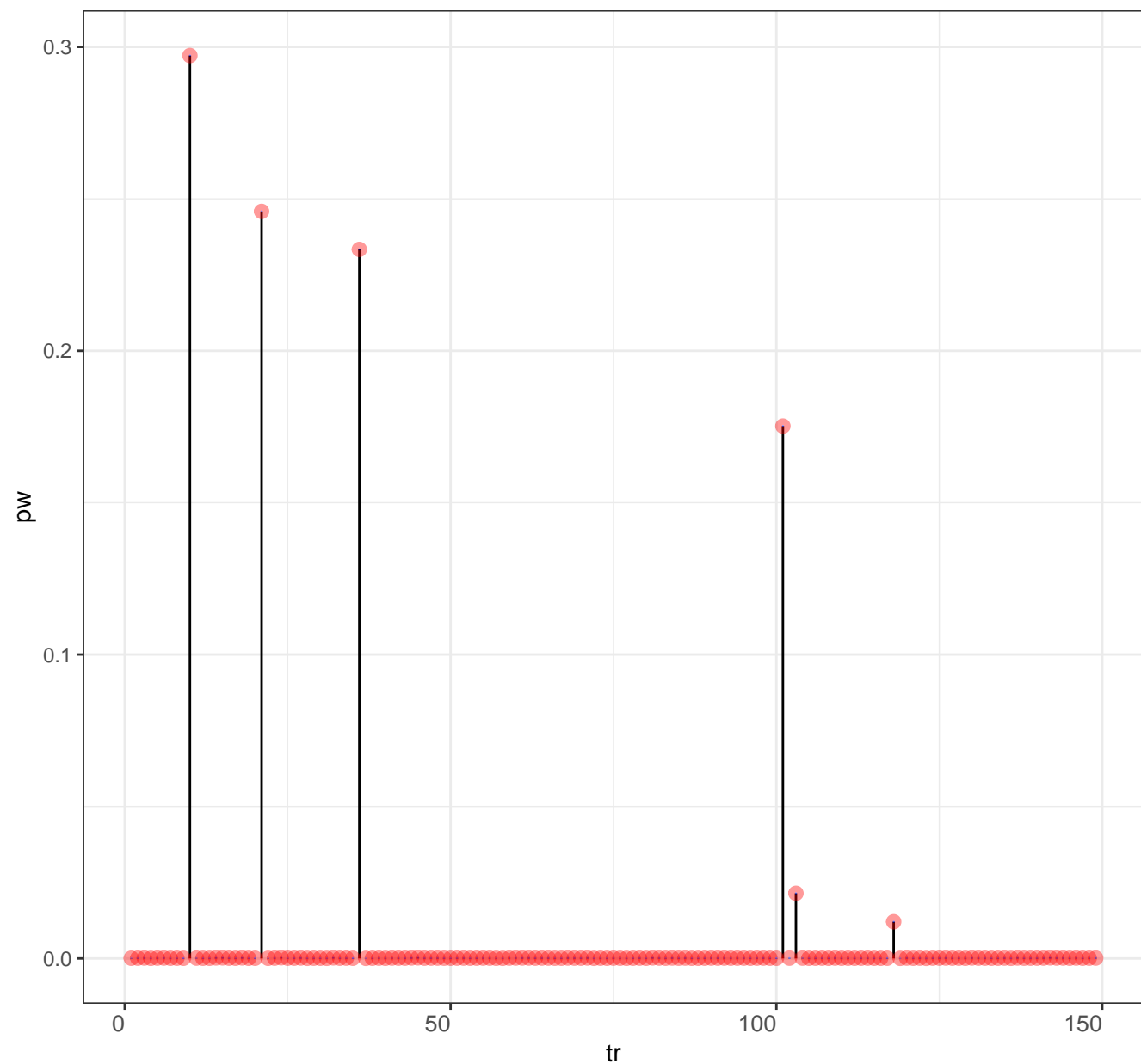
posterior mean

prior mean



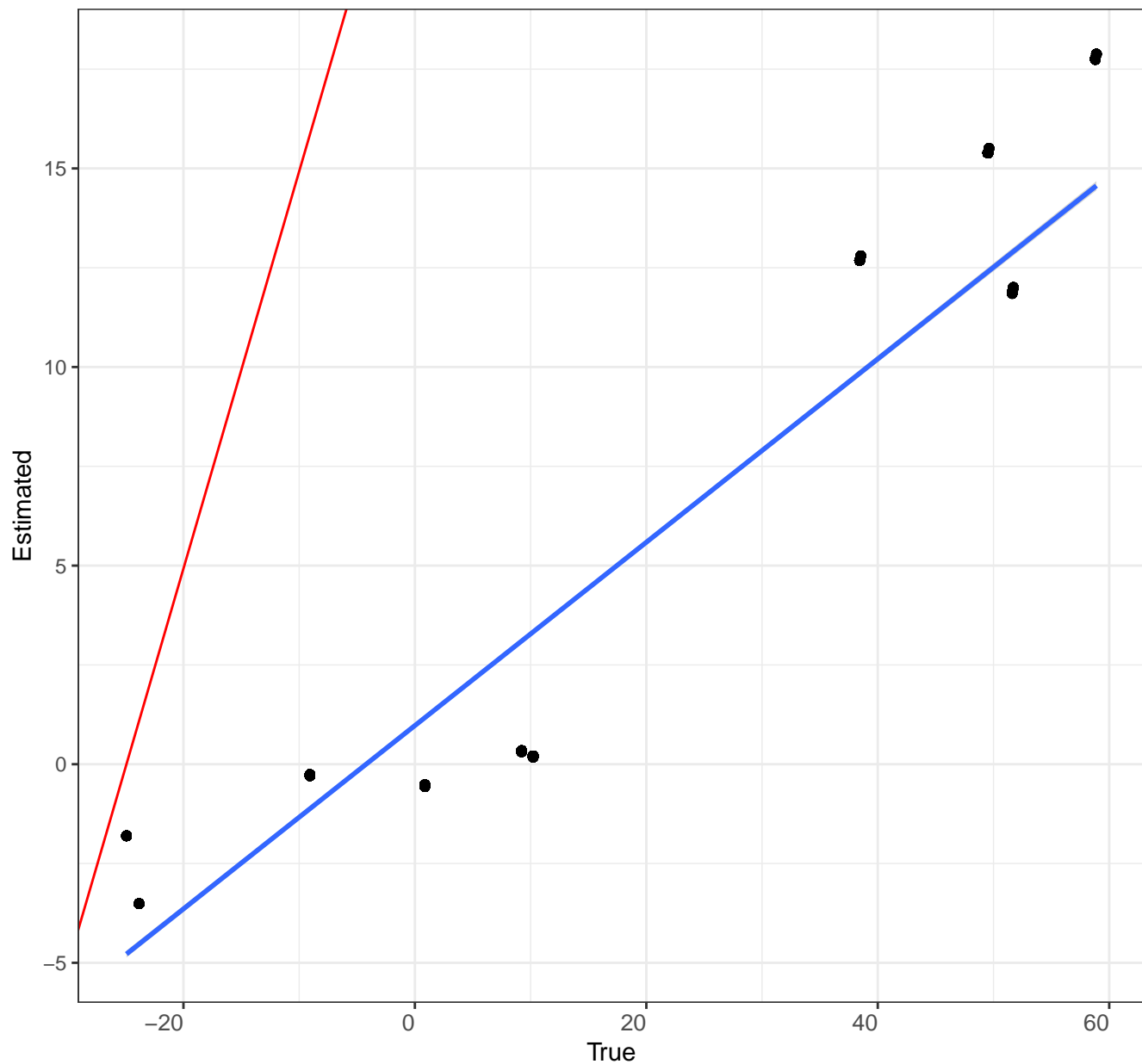
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



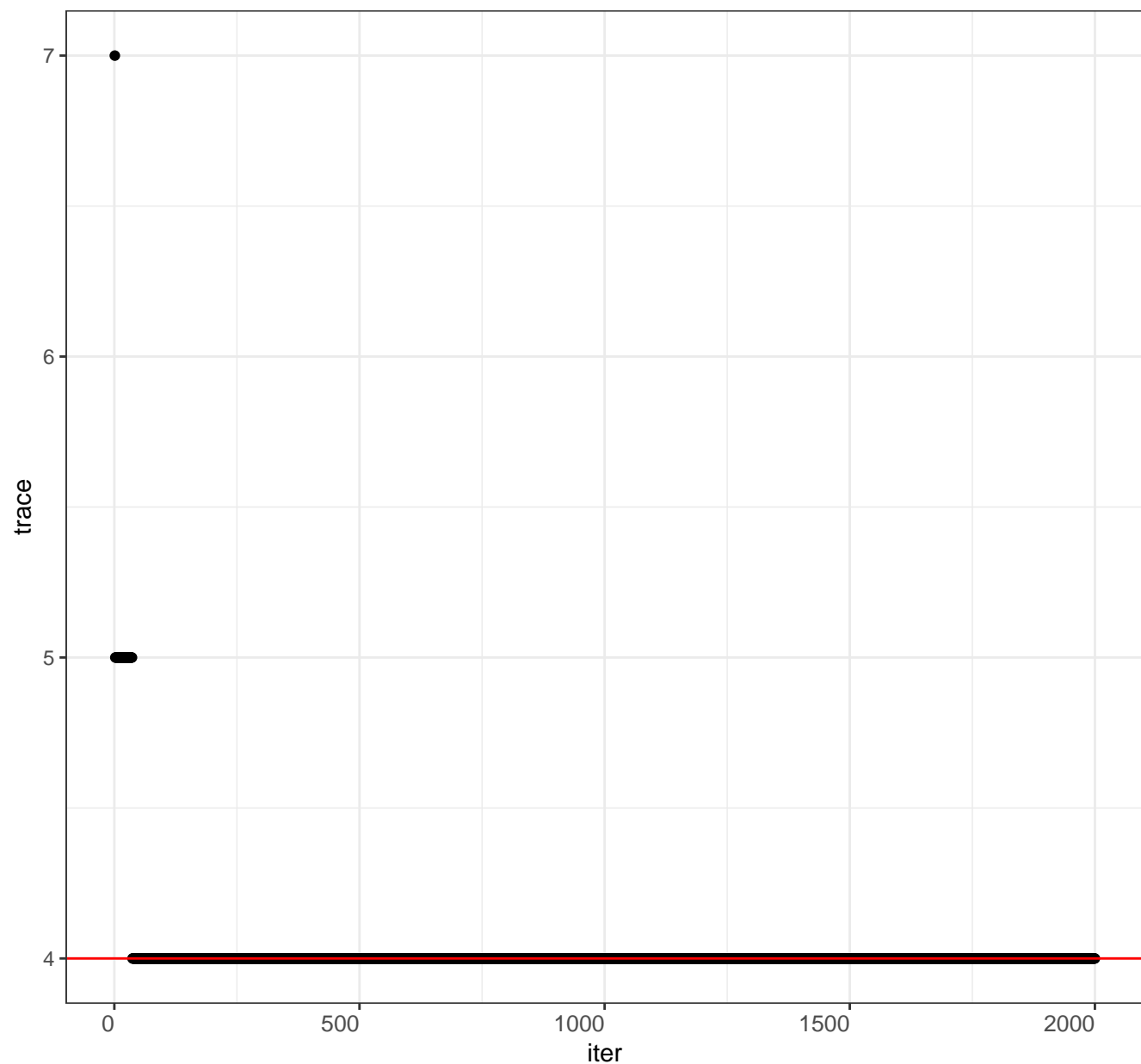
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2

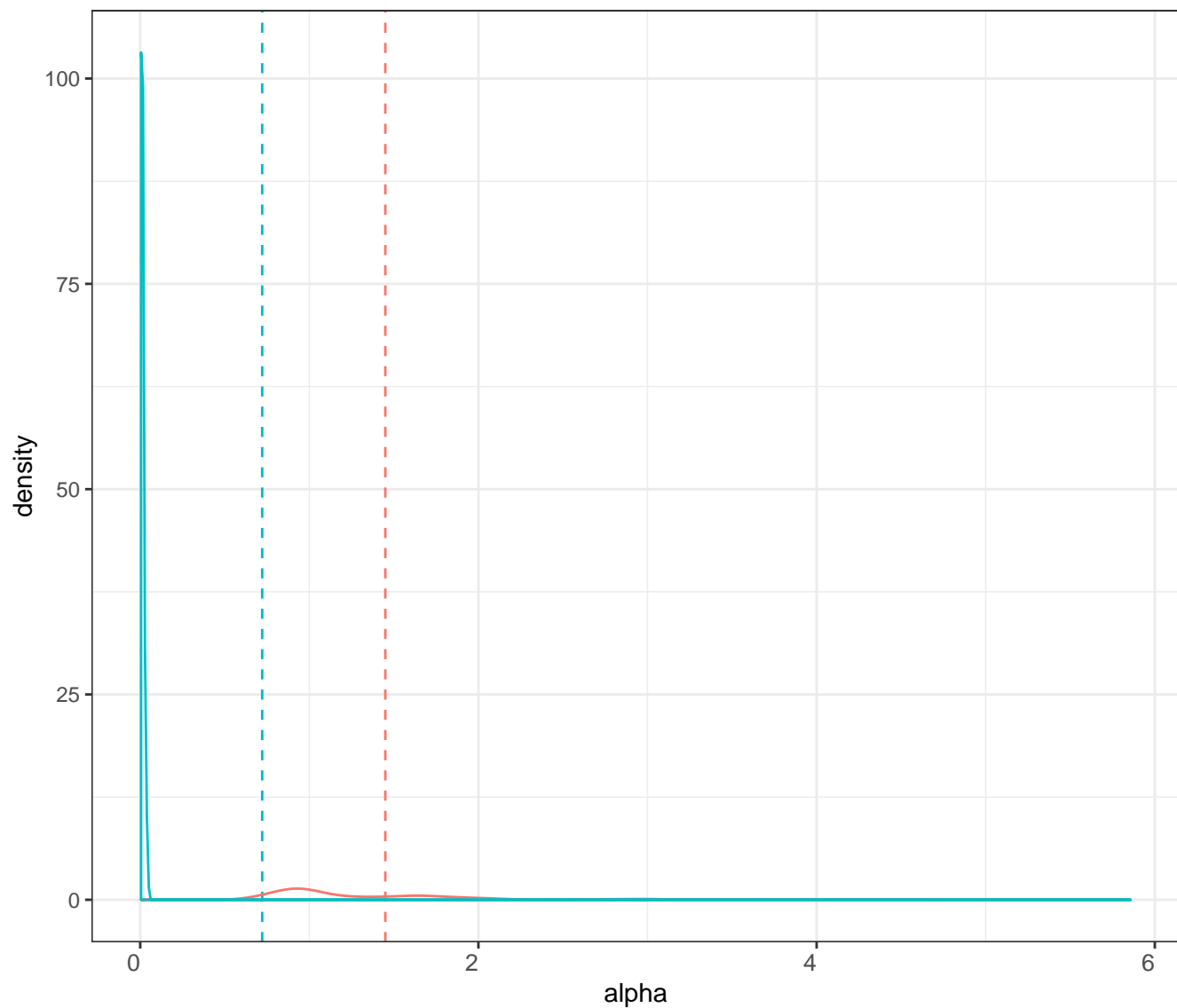
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

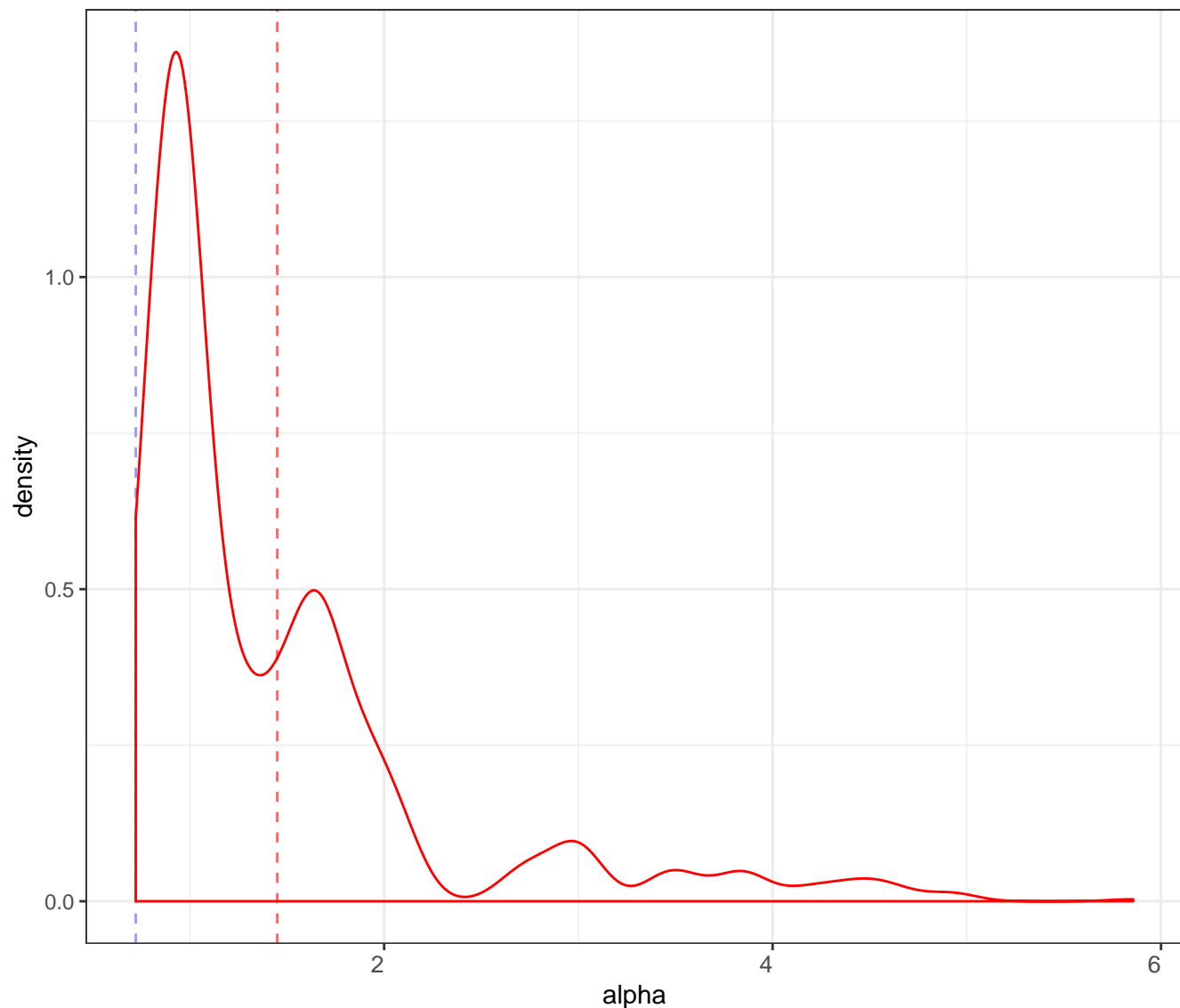
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

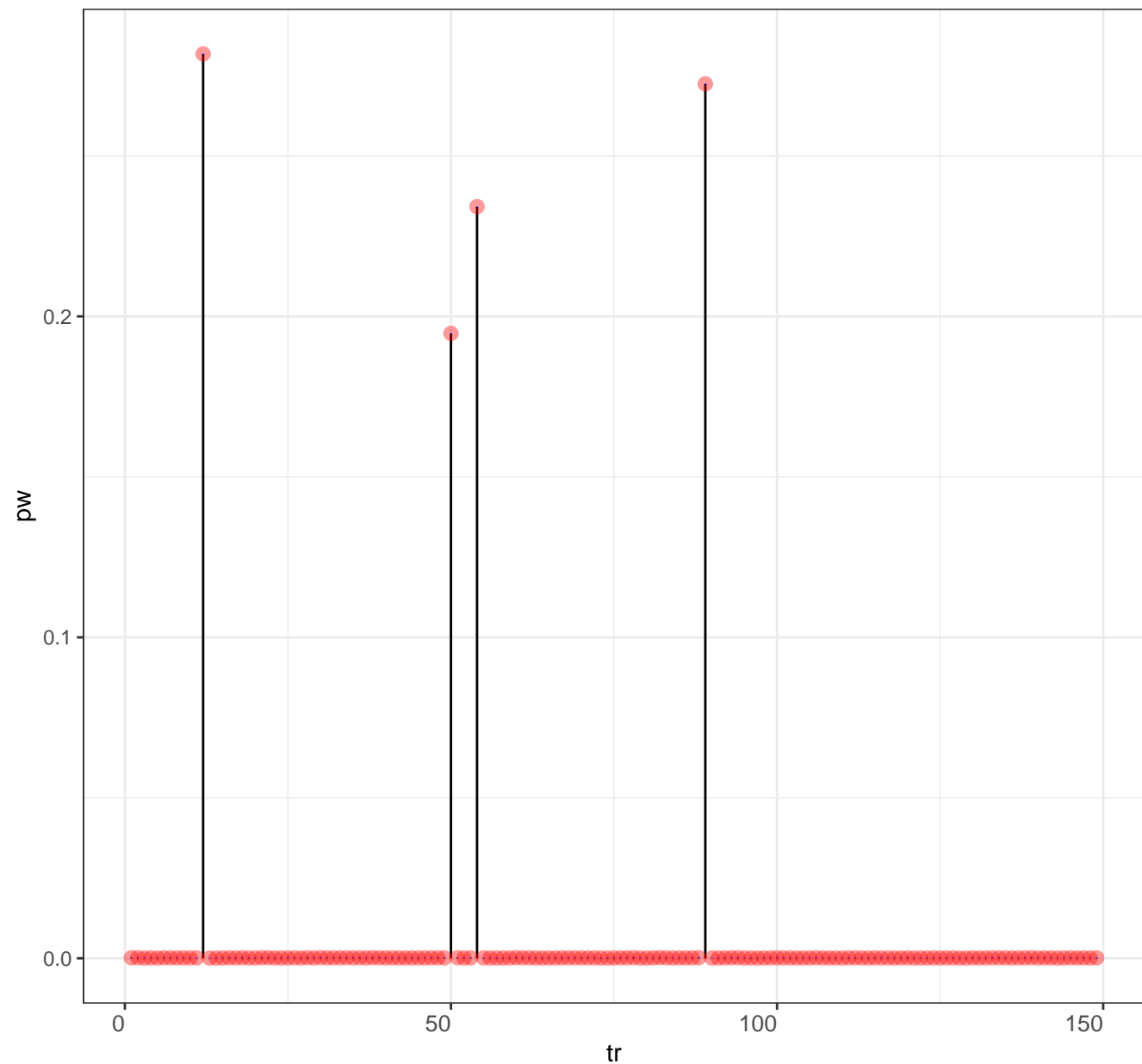
Posterior distribution for alpha

Legend posterior mean prior mean



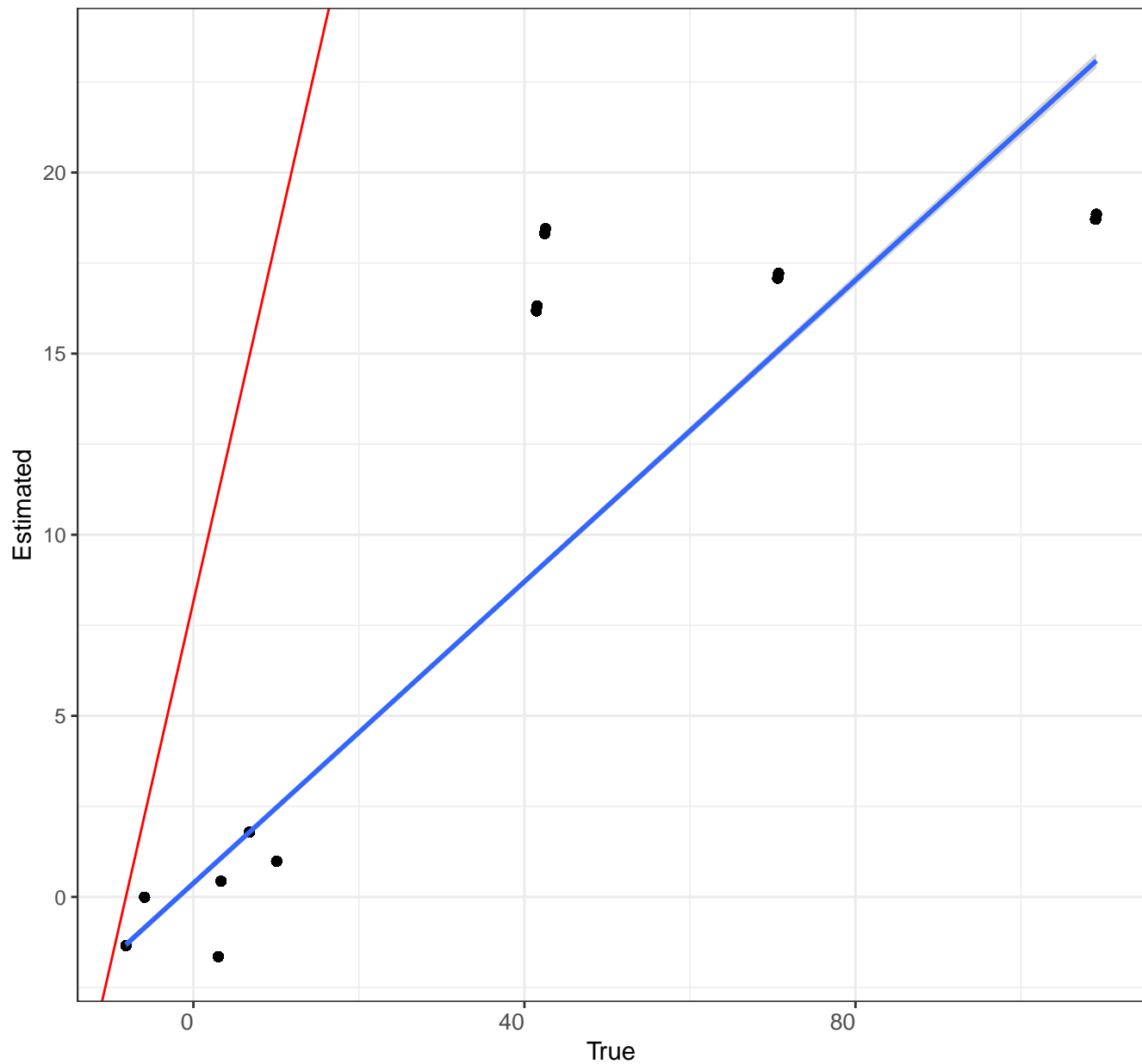
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



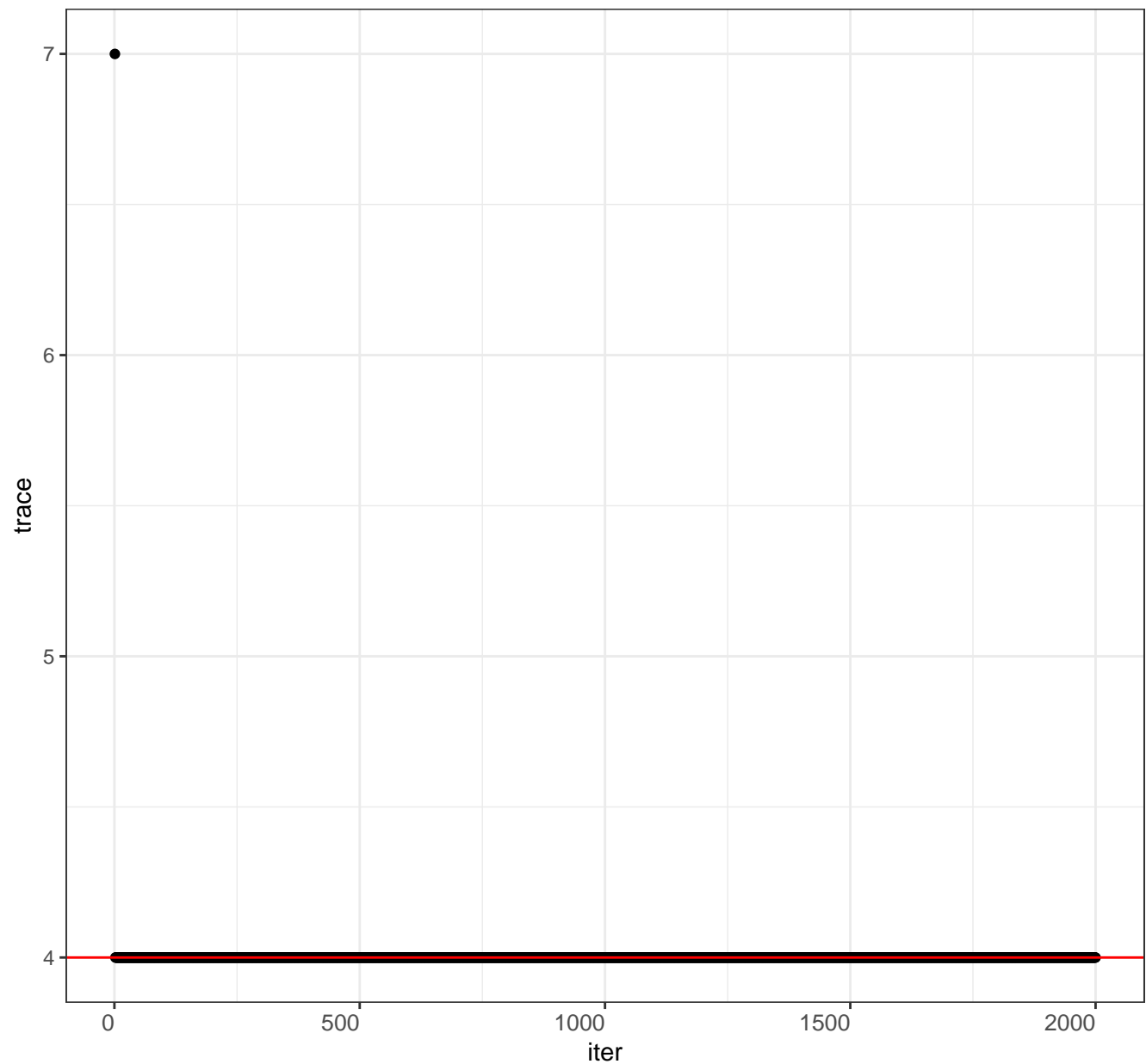
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2

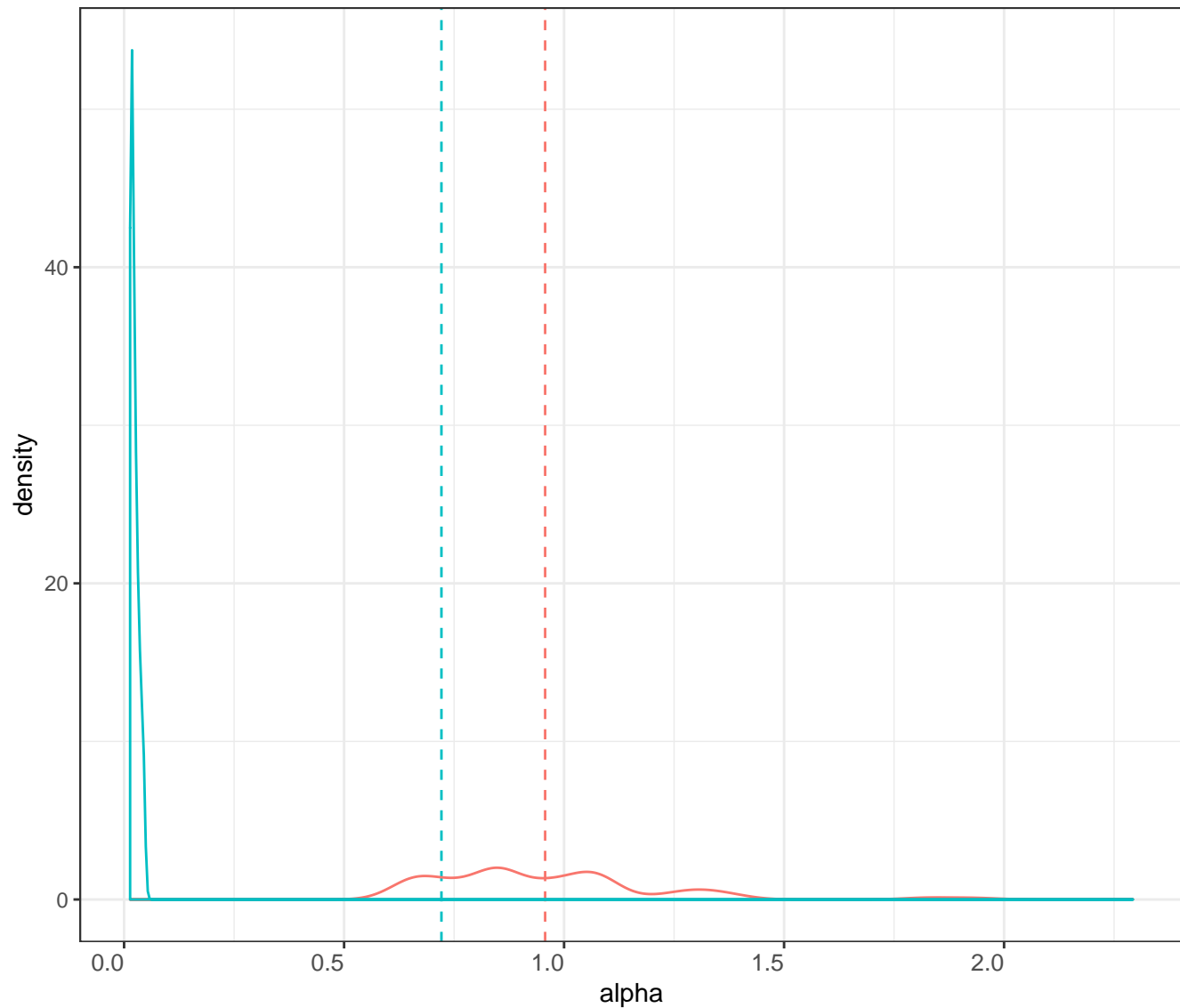
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

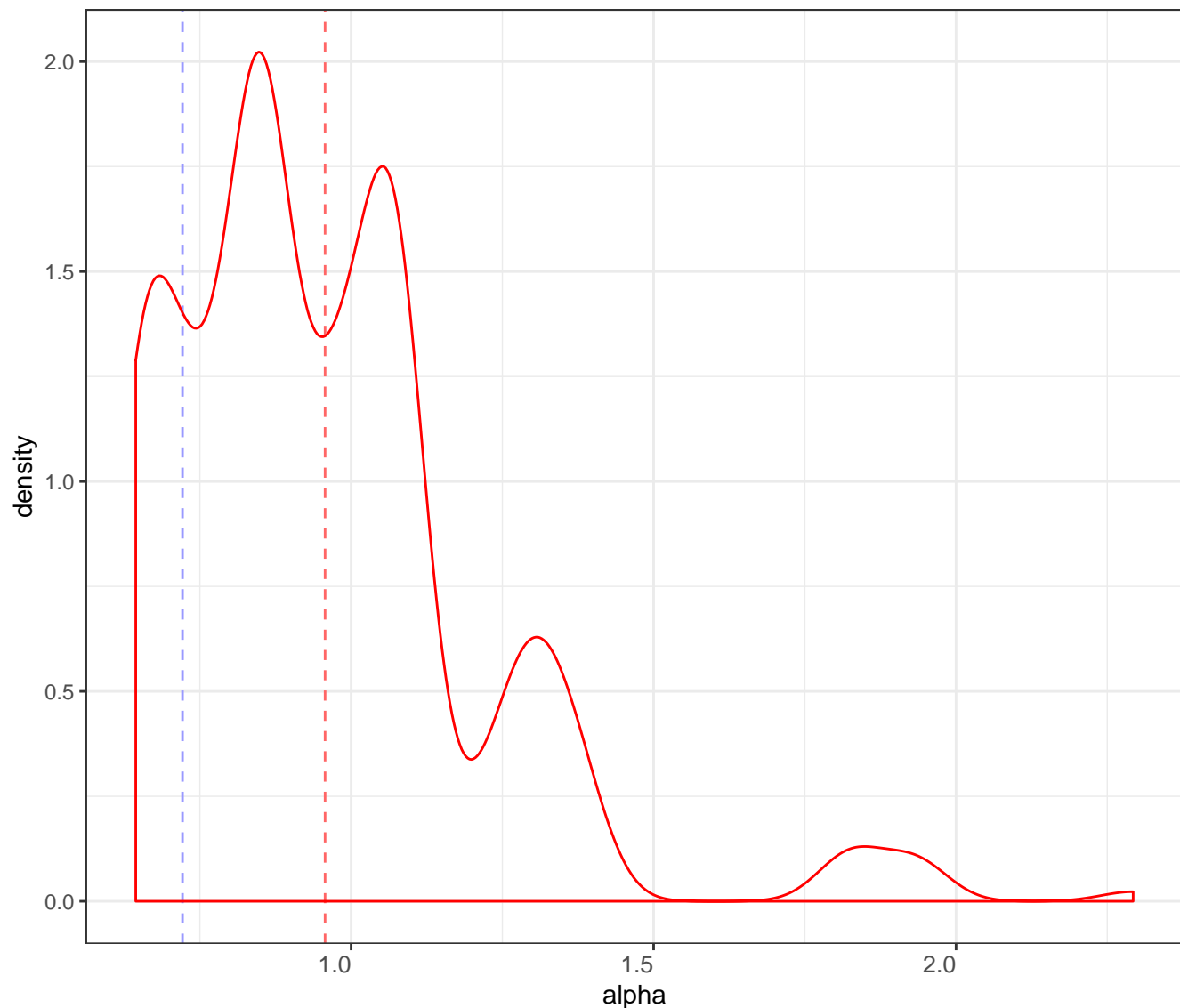
type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

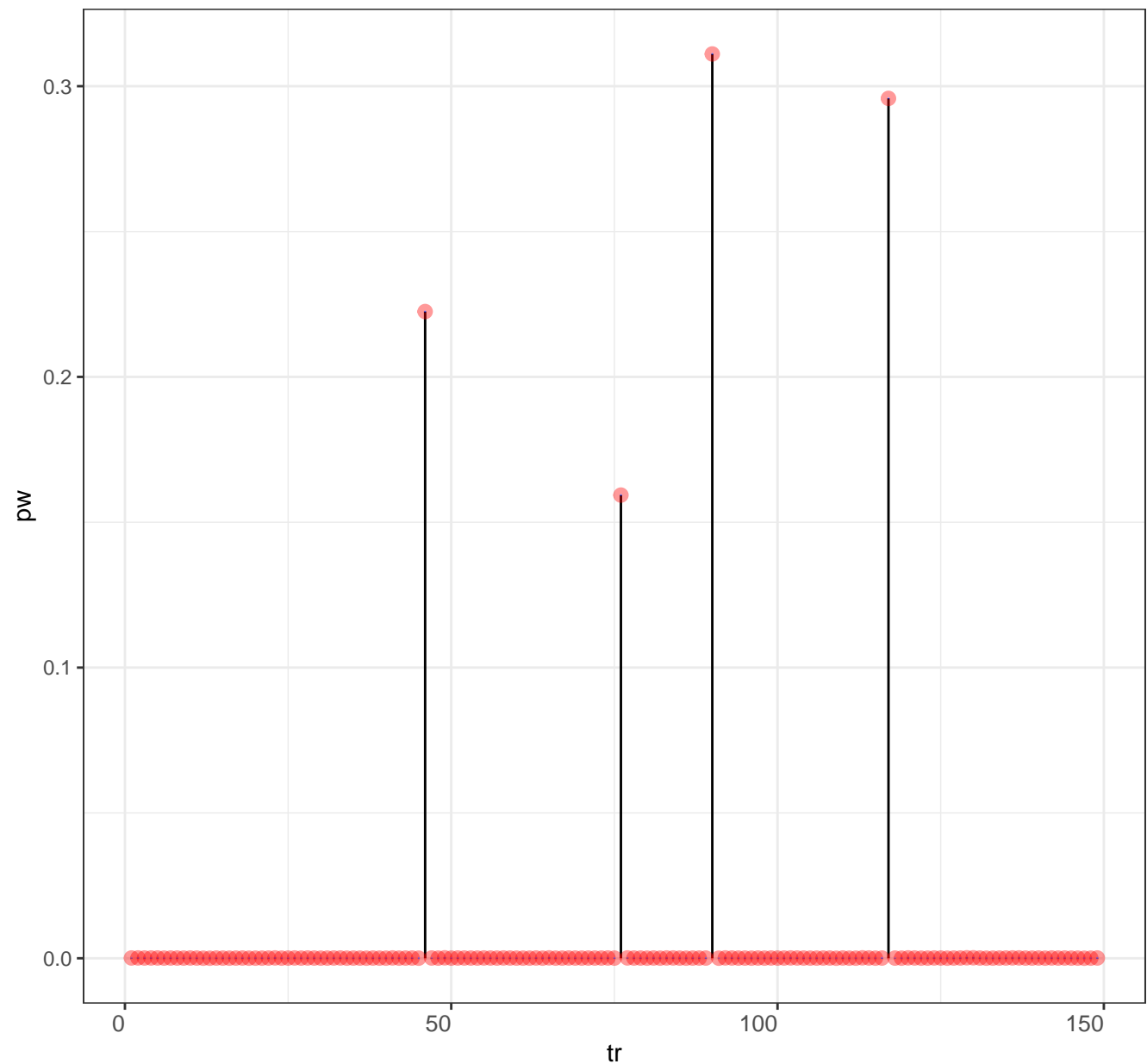
Posterior distribution for alpha

Legend posterior mean prior mean



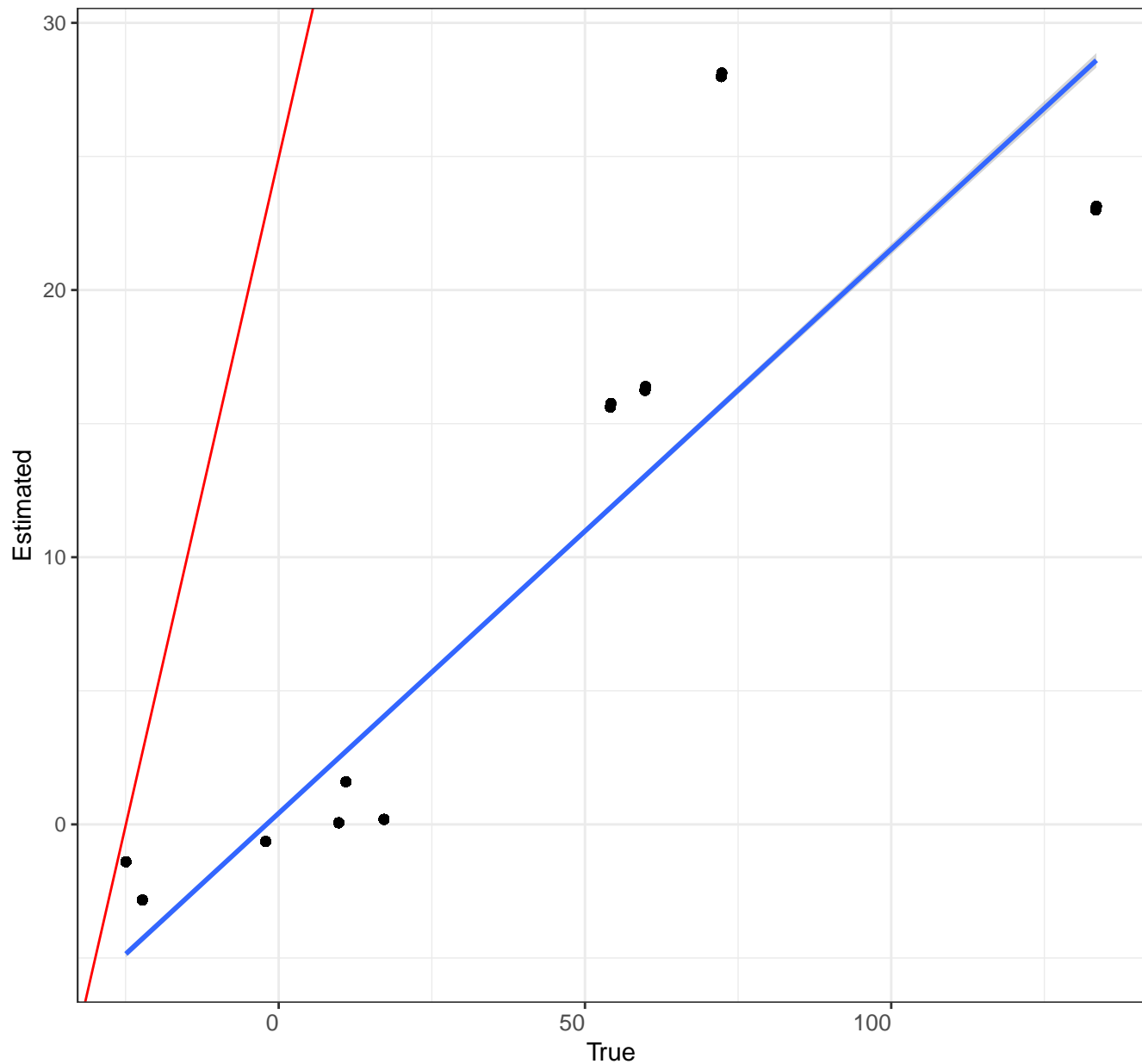
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



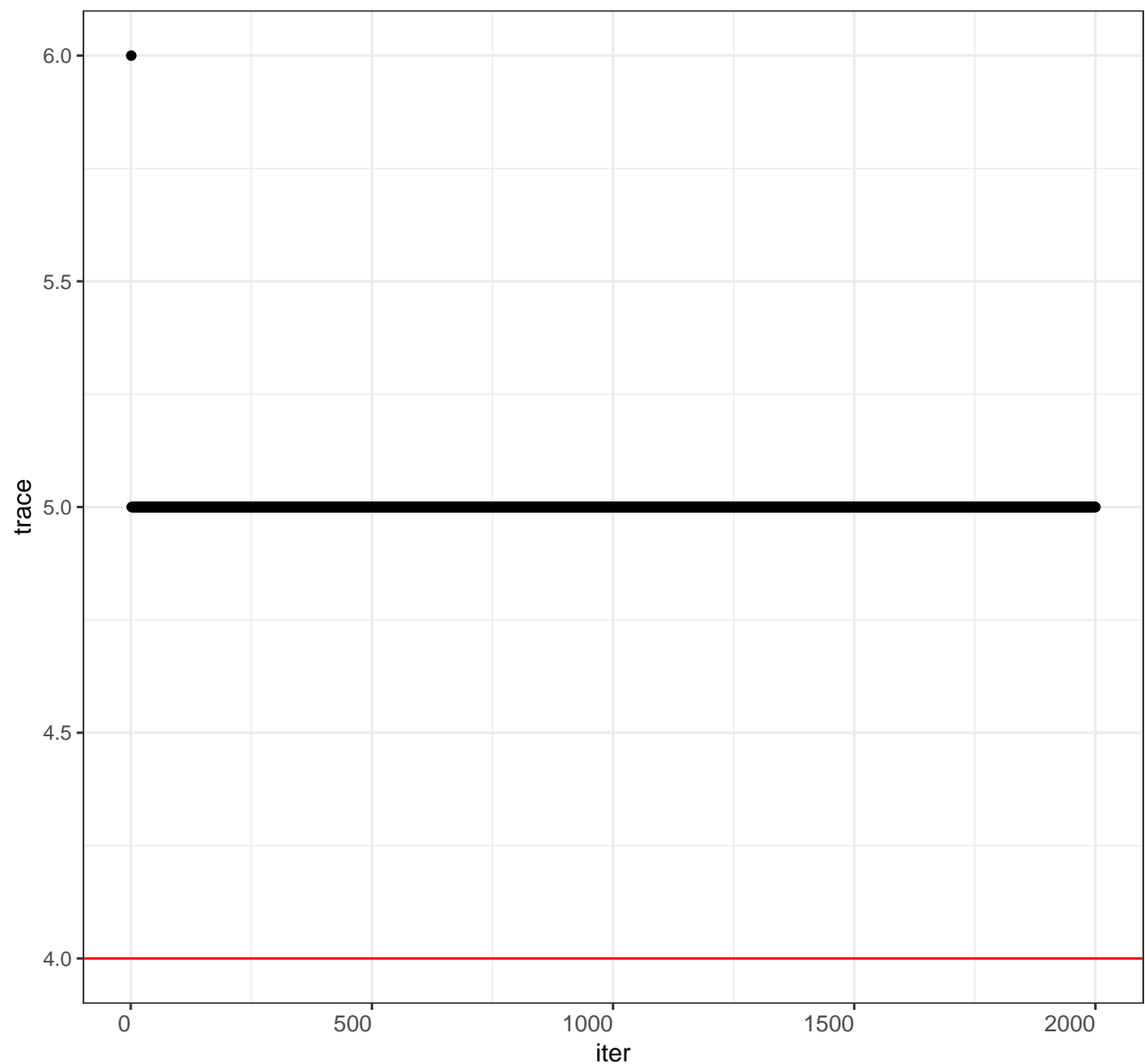
Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters





Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2

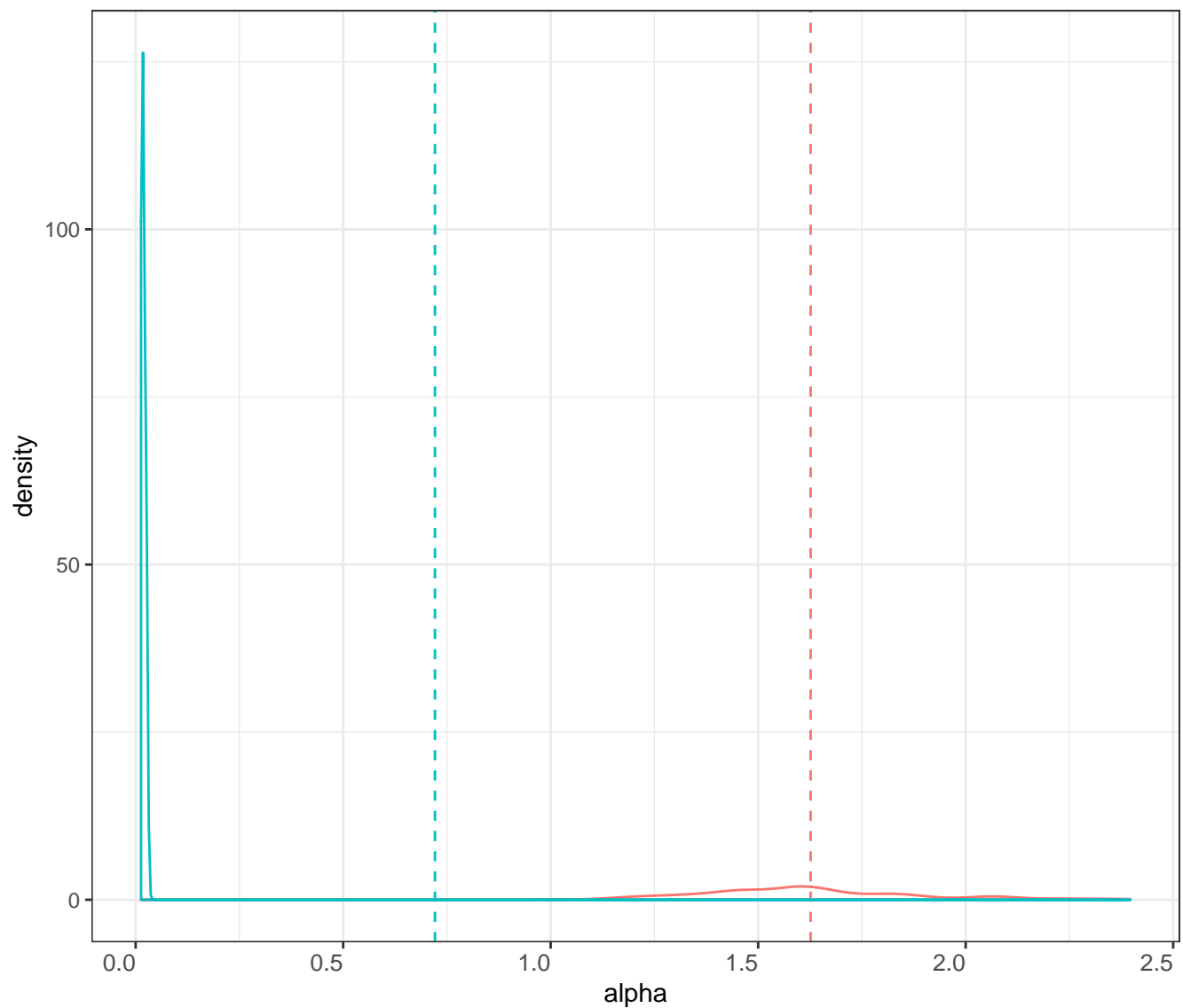
Trace plot for the number of groups K for S=80 r=20 true K=4 type=2



Number of iterations: 2000 burnin: 1000number of samples: 500

Distribution alpha: S=80 ,r=20 true gr K=4 ,type=2 ,N=150

type  posterior  prior



Number of iterations: 2000 burnin: 1000 number of samples: 500

Posterior distribution for alpha

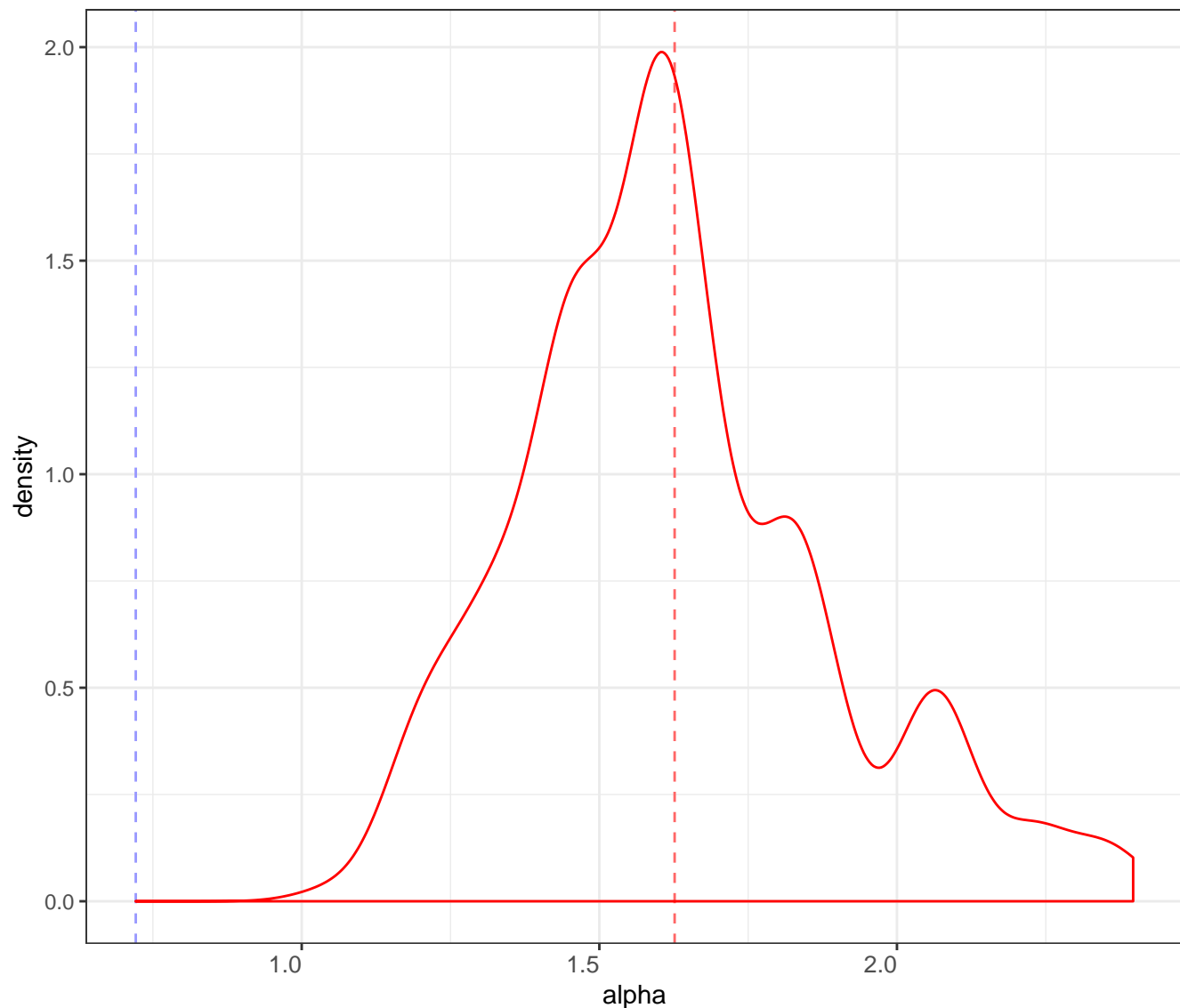
Legend



posterior mean

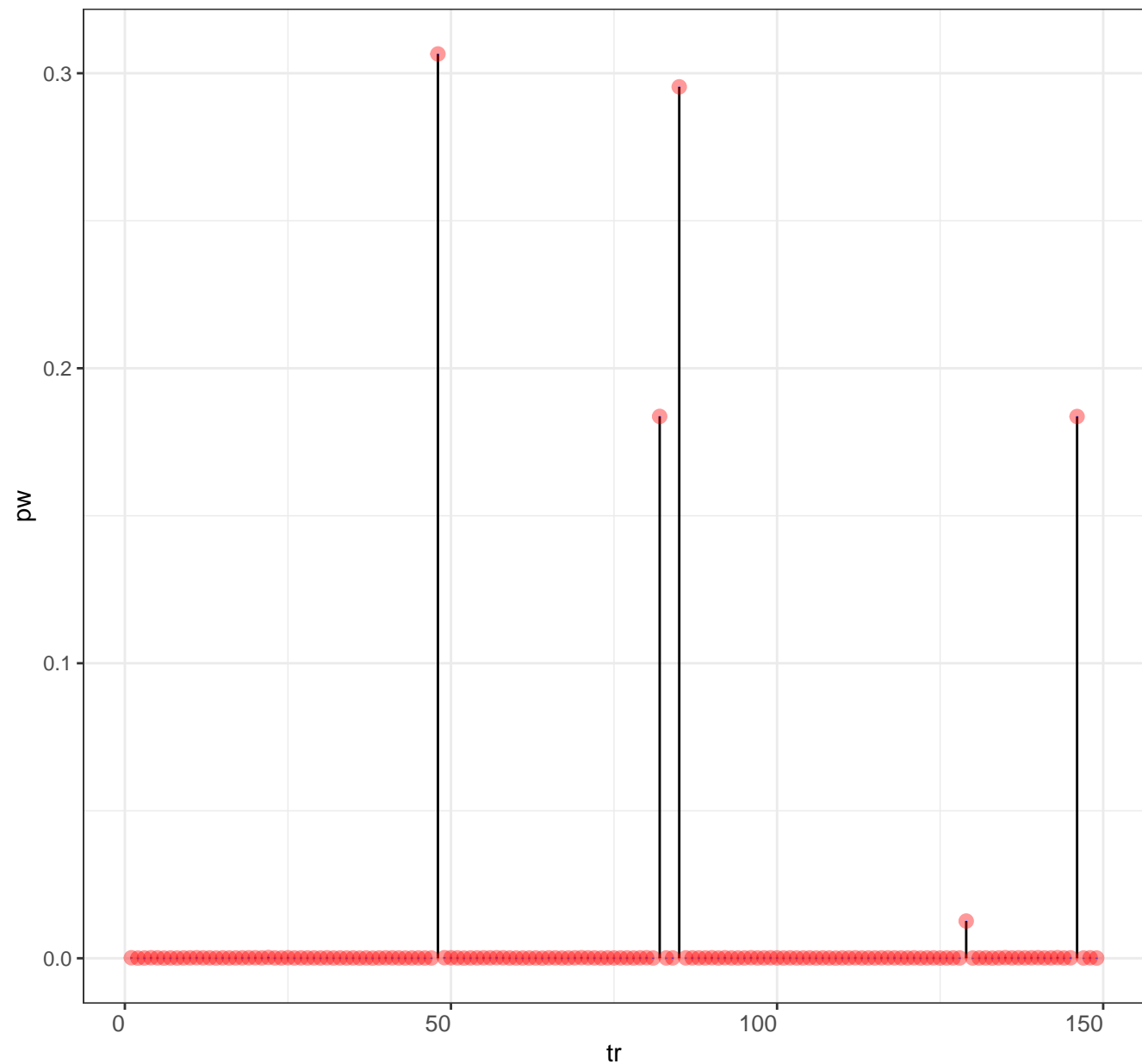


prior mean



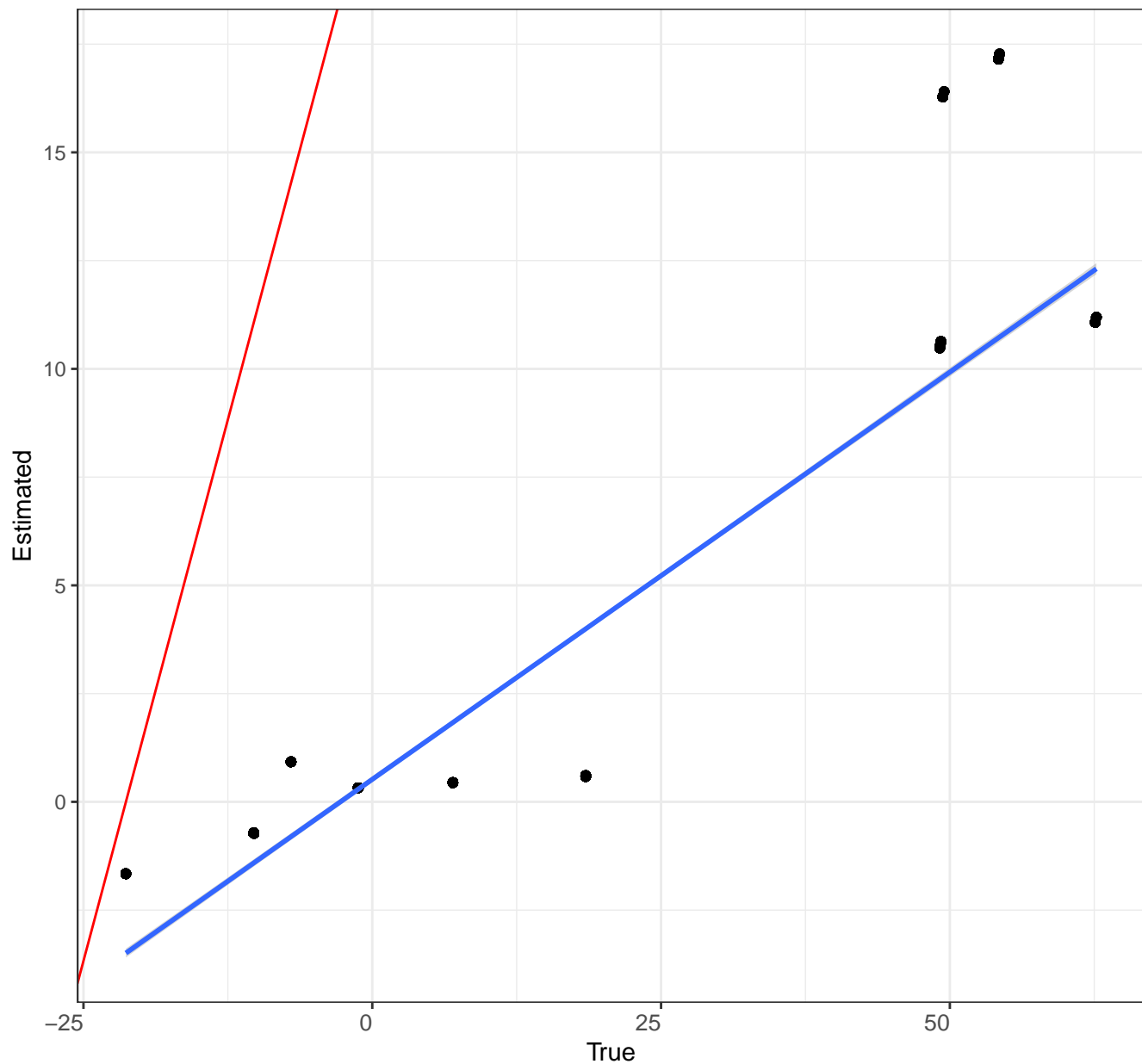
Number of iterations: 2000 burnin: 1000 number of samples: 500 S=80 ,r=20 true gr K=4 ,type=2 ,N=150

Weights for the case: $S=80$, $r=20$ true gr $K=4$,type=2 , $N=150$ $pN=0$



Number of iterations: 2000 burnin: 1000 number of samples: 500

True vs estimated covariance parameters



Number of iterations: 2000 burnin: 1000number of samples: 500S=80 r=20 true K=4 type=2