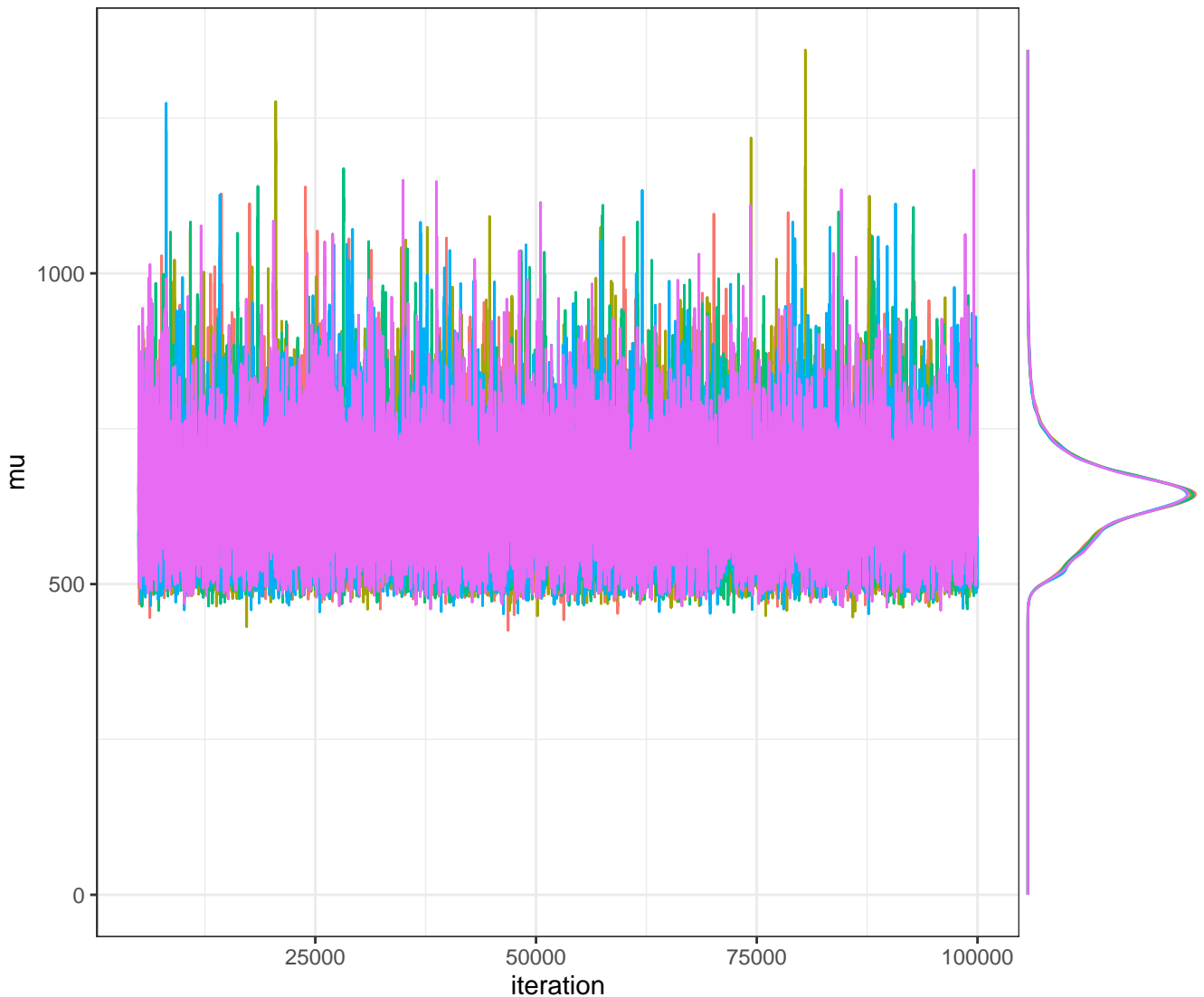
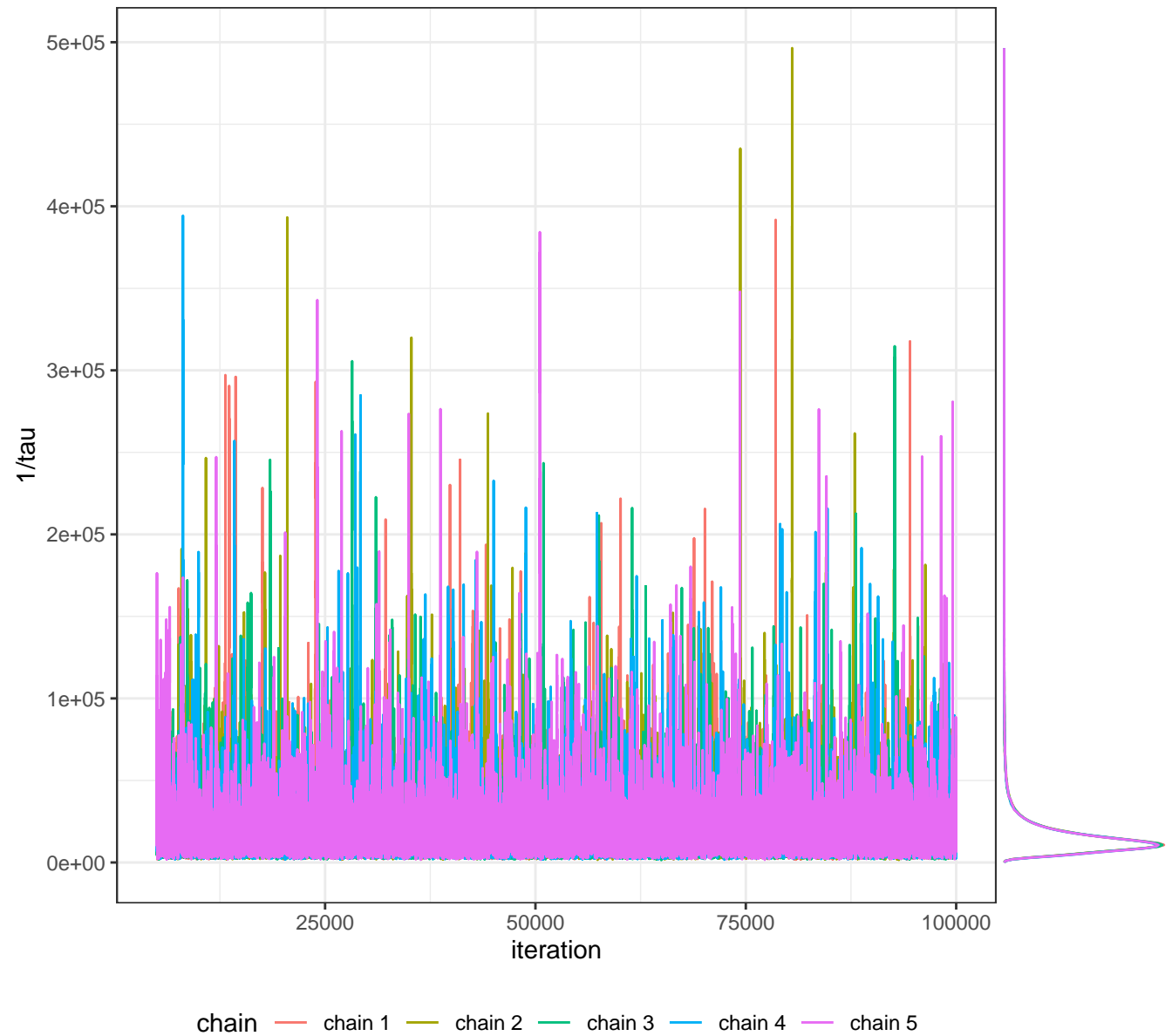
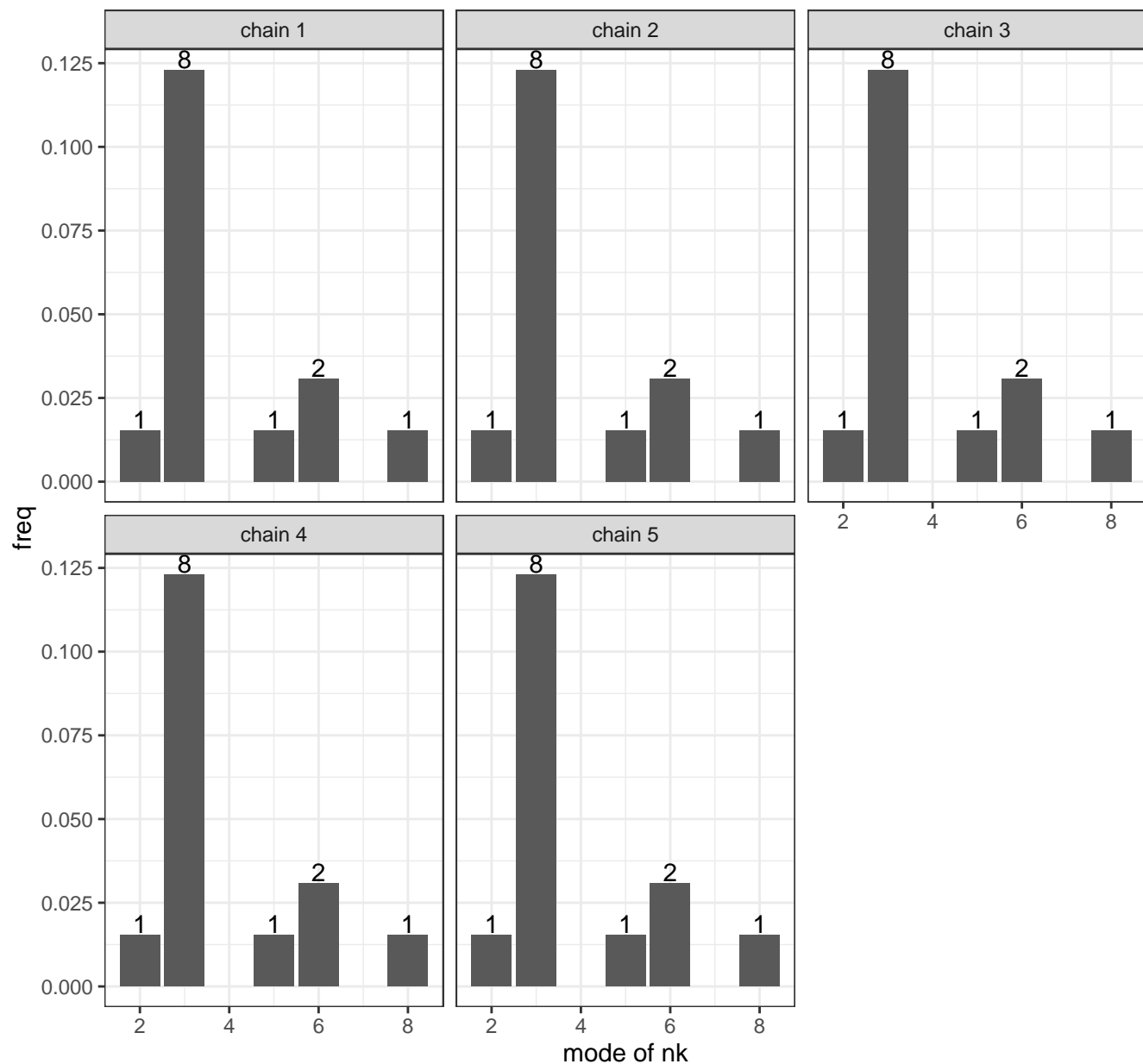


Trace of  $\mu$ 

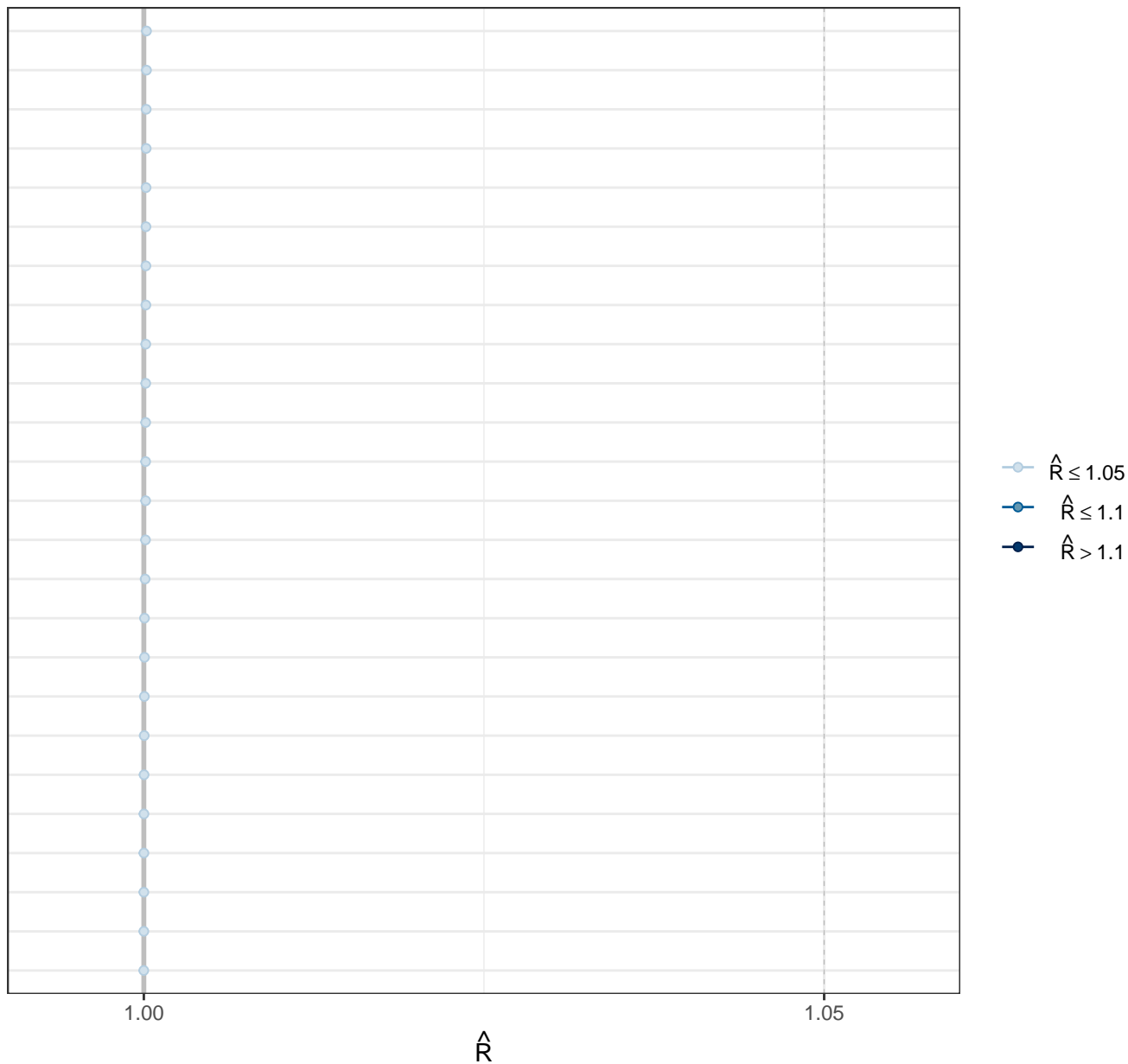
chain chain 1 chain 2 chain 3 chain 4 chain 5

Trace of  $\sigma^2$ 

## histogram of inferred nk given by mode of the posterior distribution

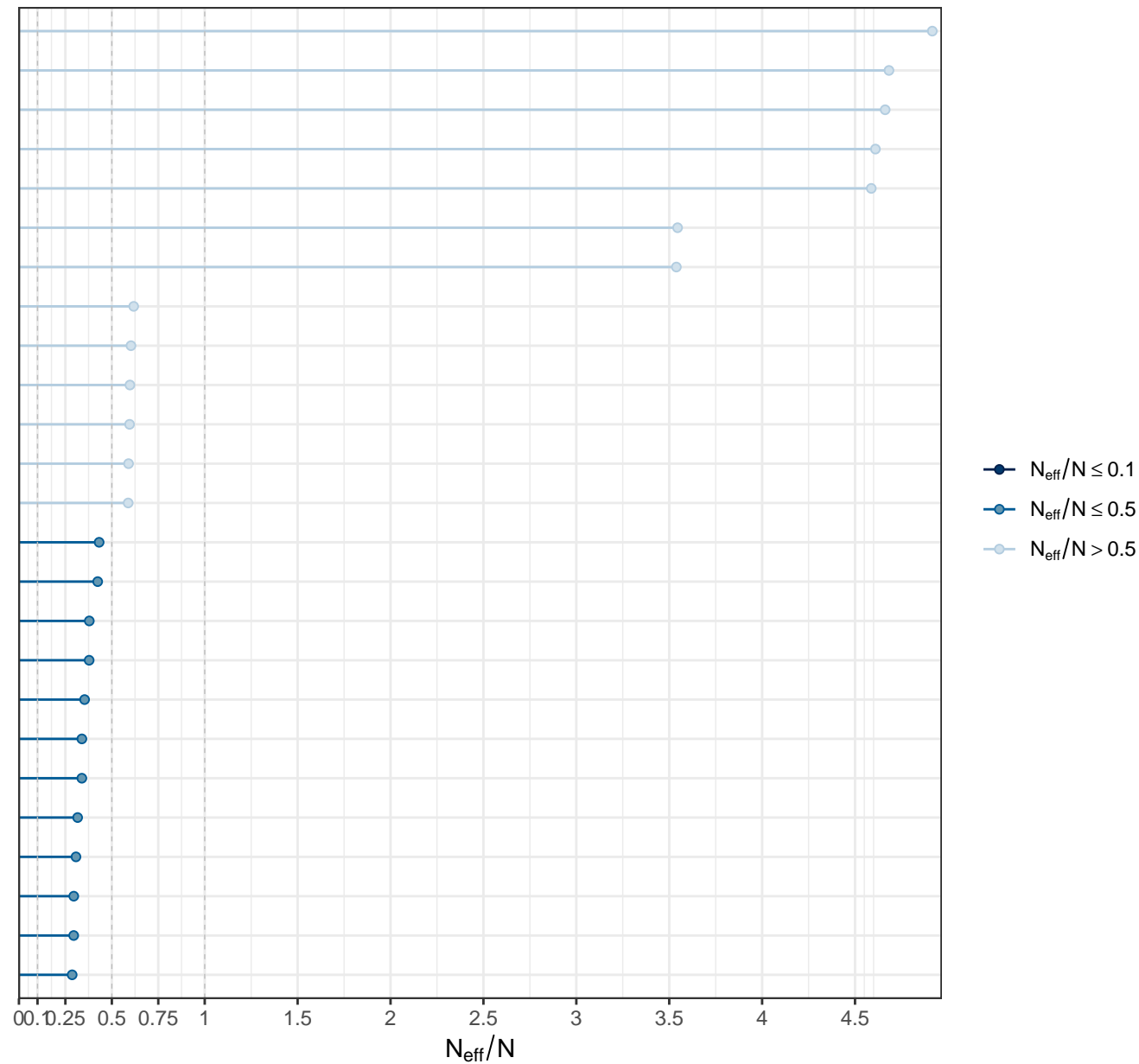


Rhat





## Tail Effective Sample Size Ratio



## Sampled distribution of initial number of episodes

poisson(lambda = 4.12), median = 3

