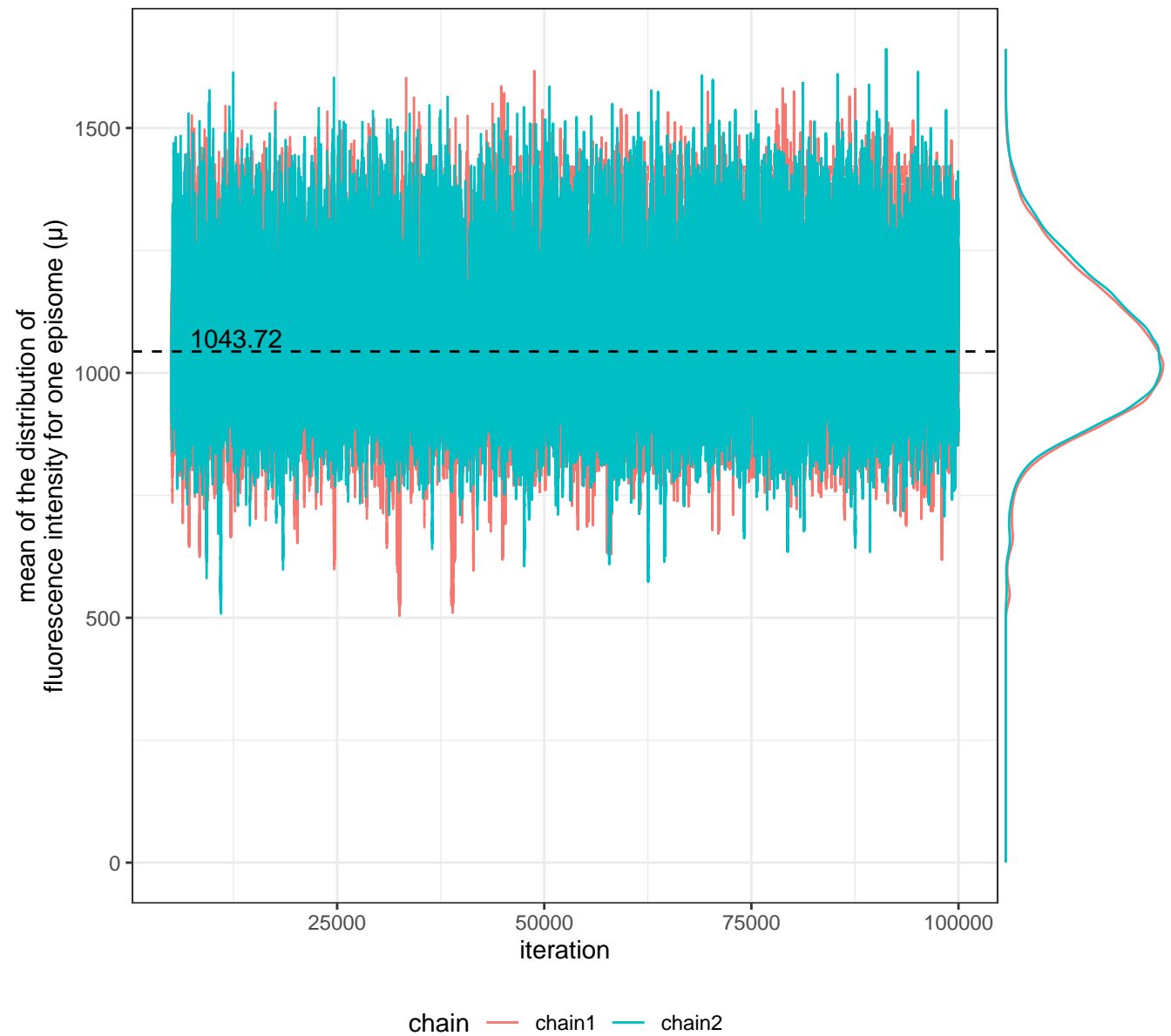
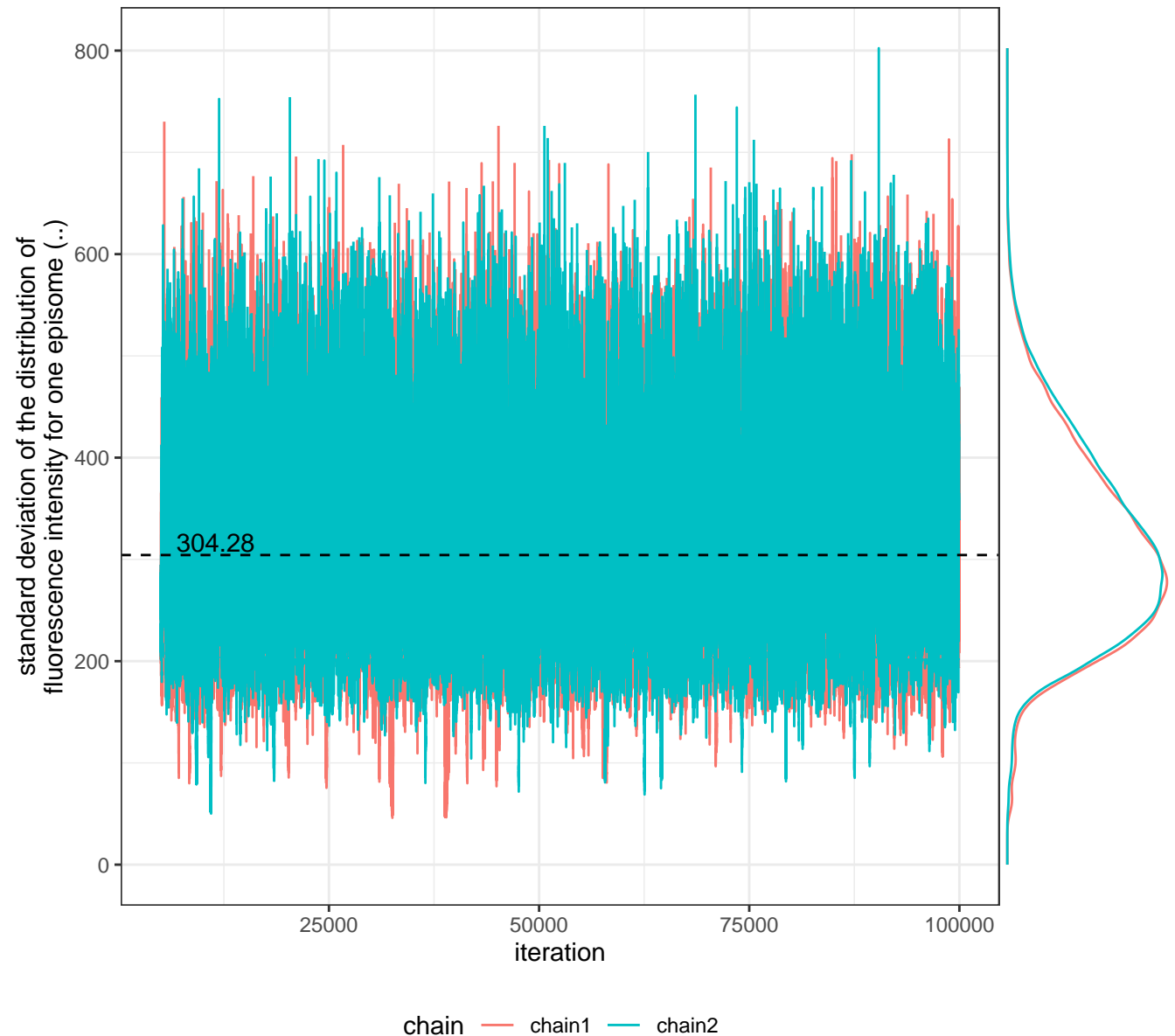
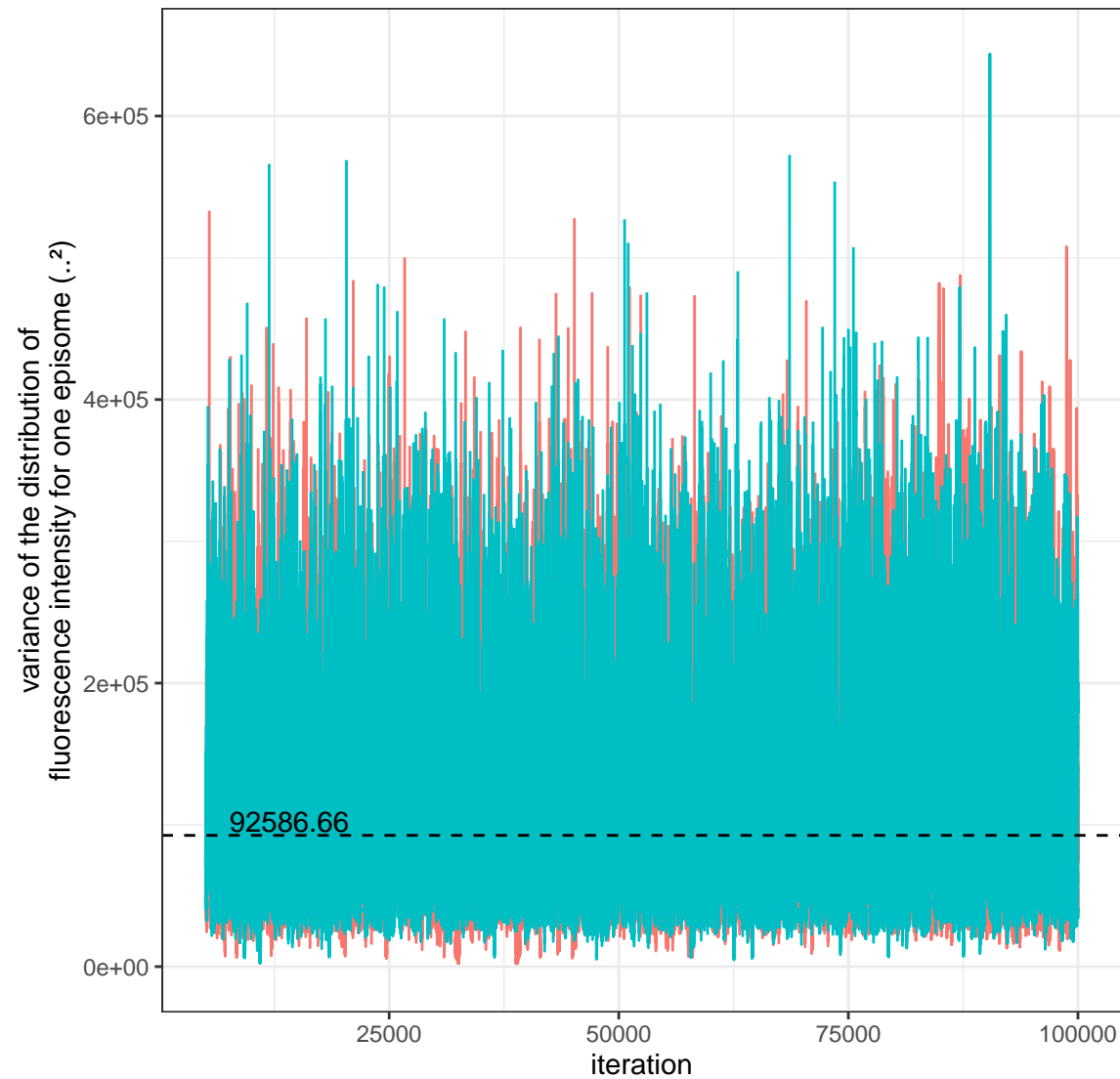


Trace of the mean ( $\mu$ )

# Trace of the standard deviation (..)



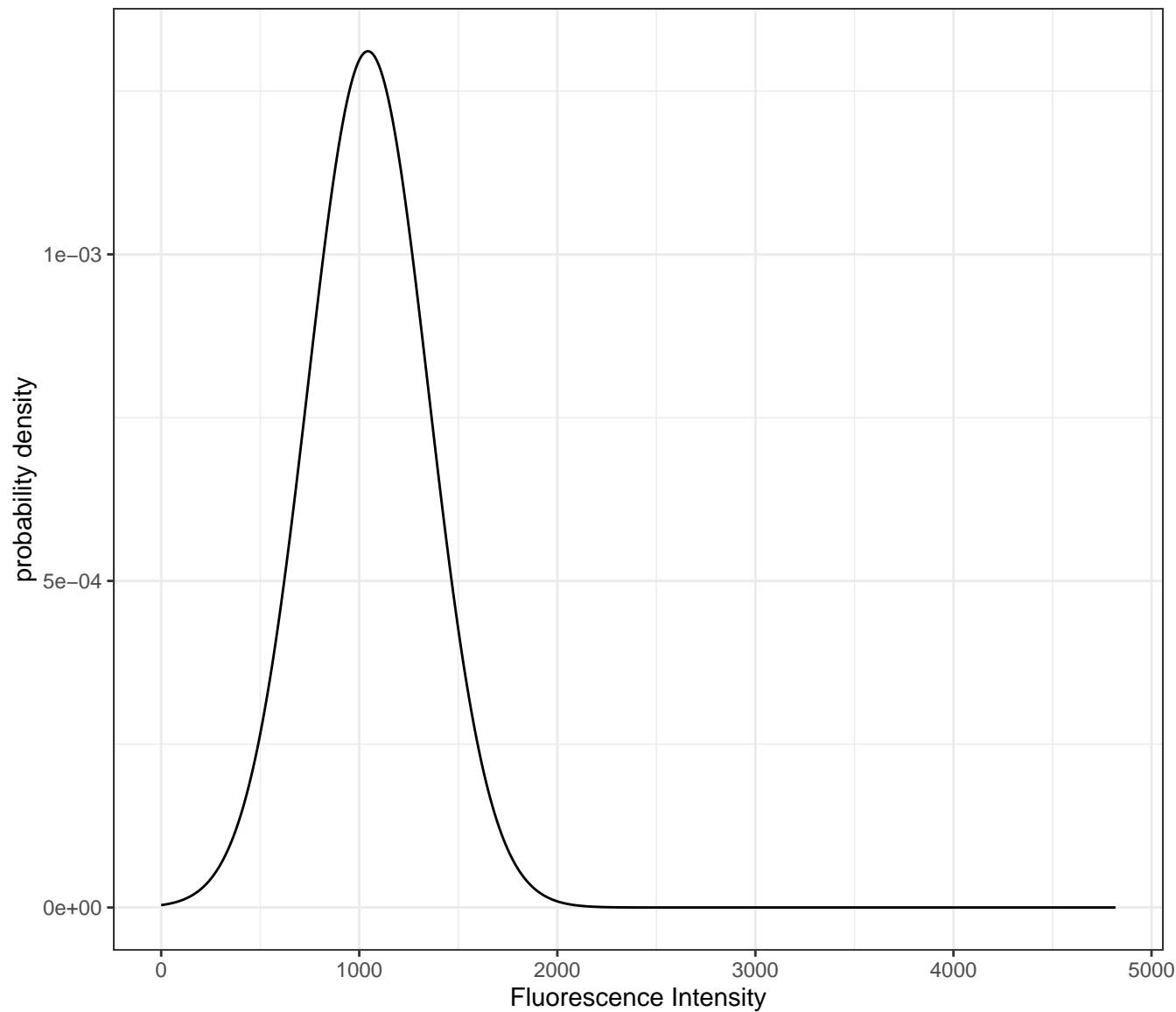
## Trace of the variance (..)²



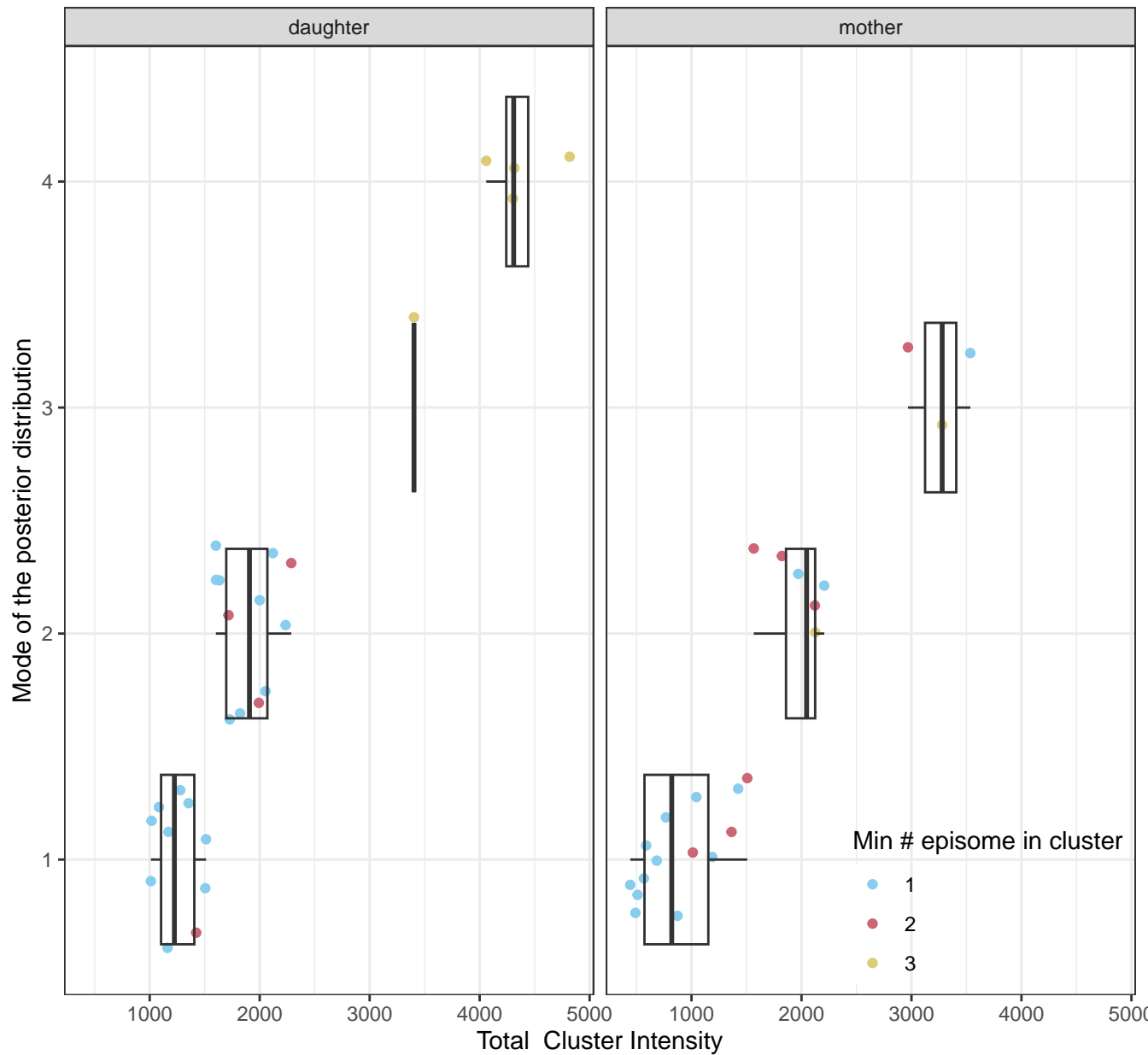
chain chain1 chain2

# Inferred distribution of fluorescence intensity of a single cluster

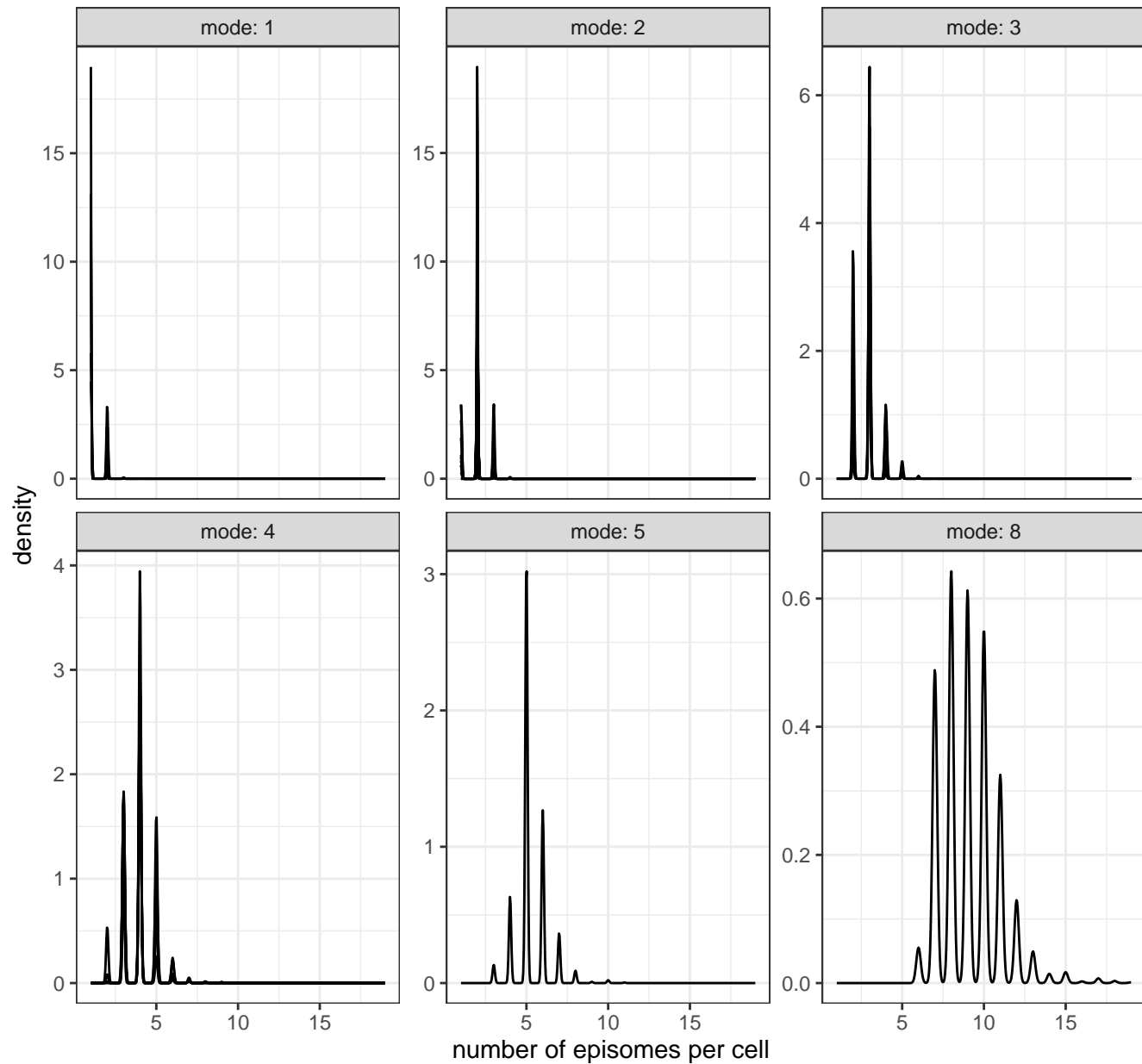
mean = 1043.72, standard deviation = 304.28



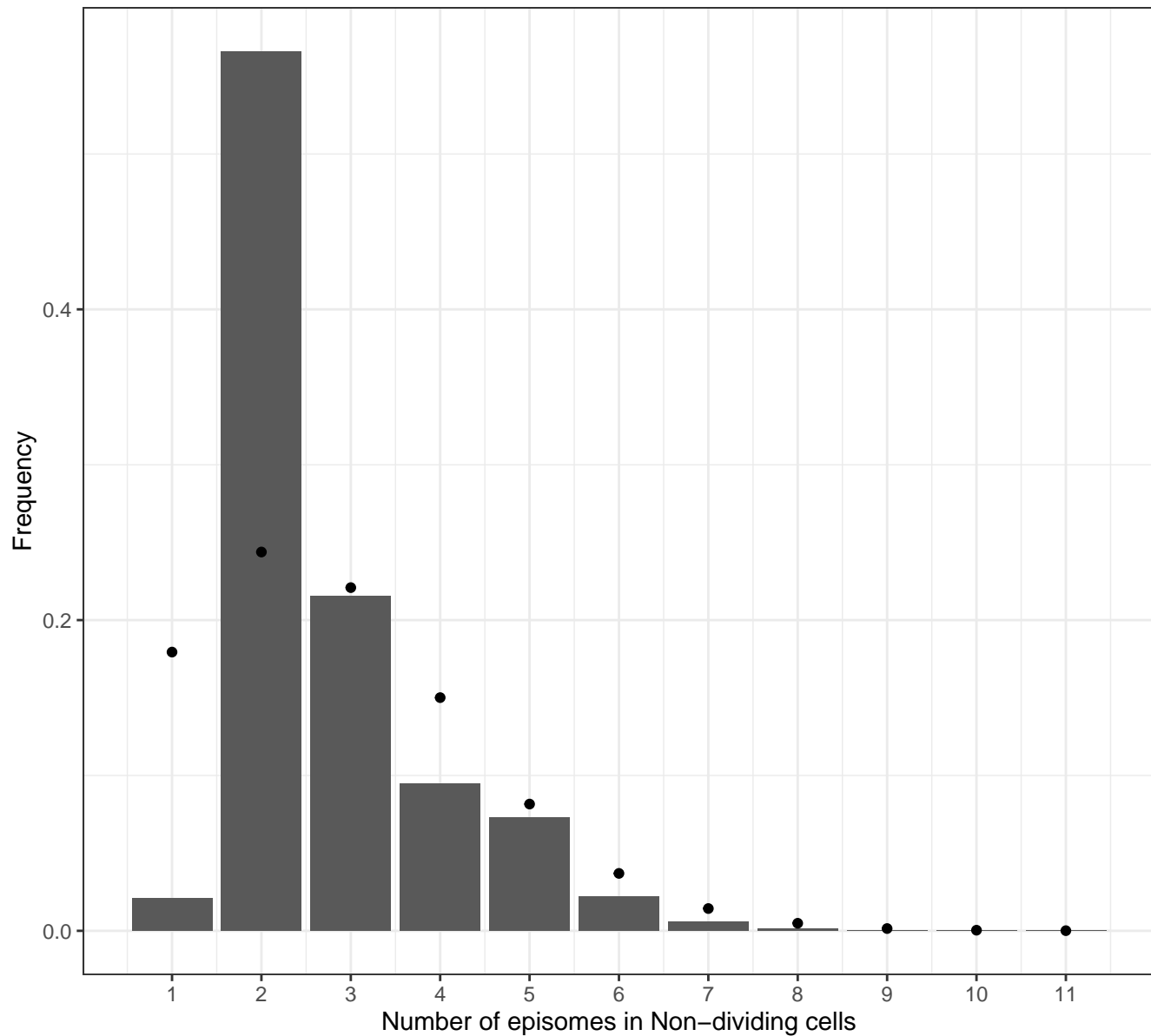
## Distribution of cluster intensities

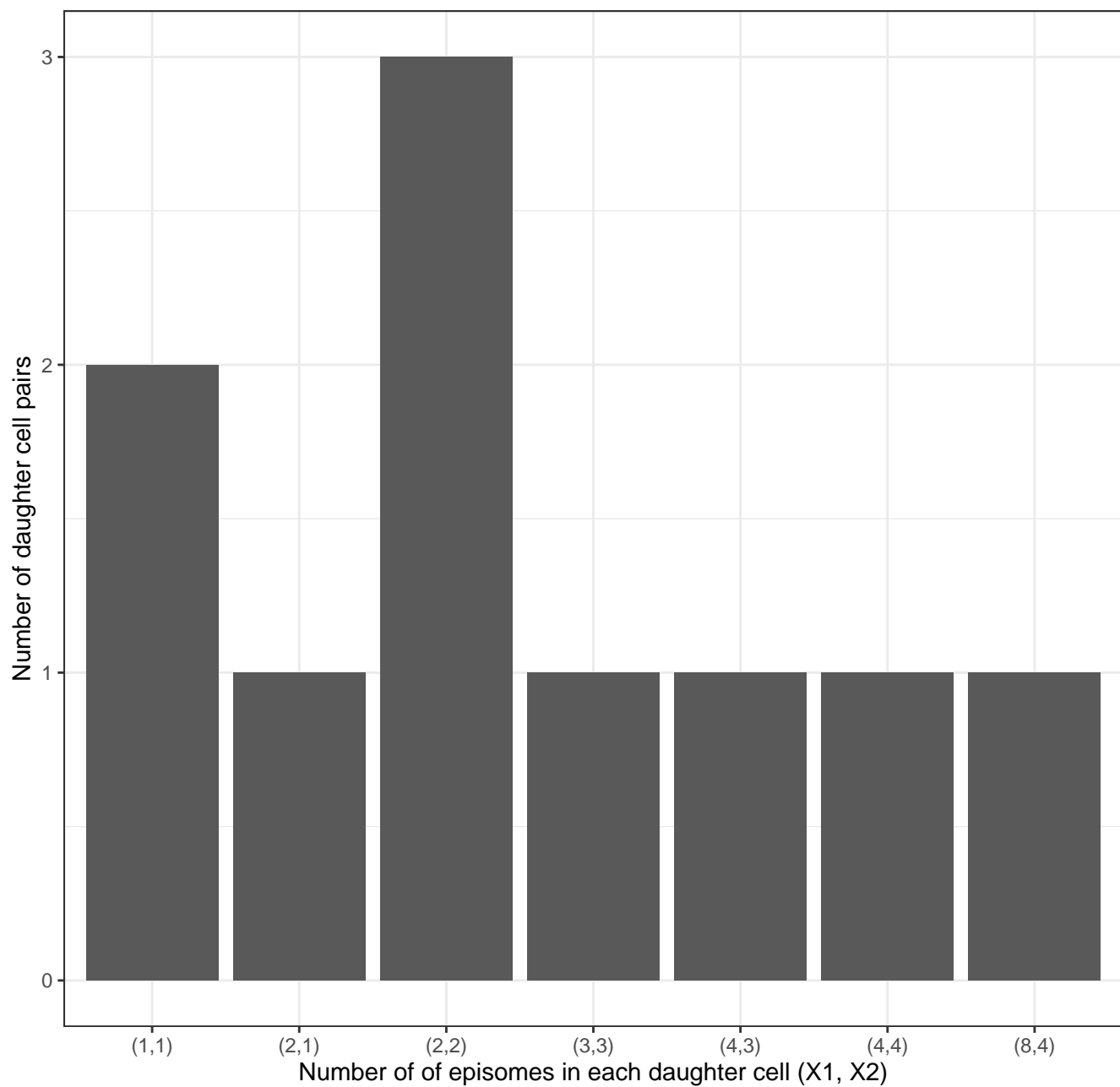


## Posterior probabilities for number of episomes per cell



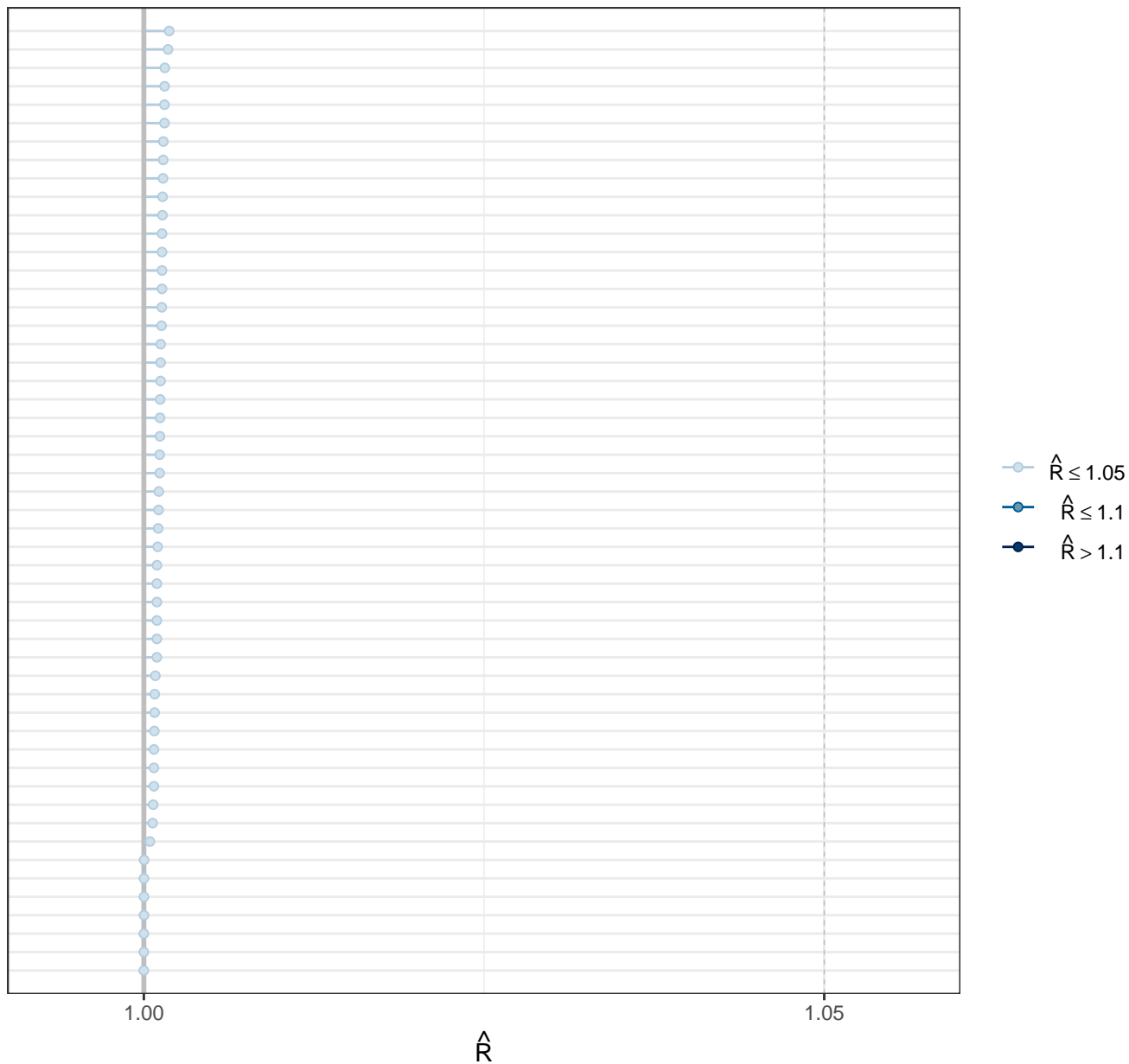
## Sampled distribution of initial number of episomes

 $X_0 \sim \text{poisson}(\text{lambda} = 2.72)$ , median = 2

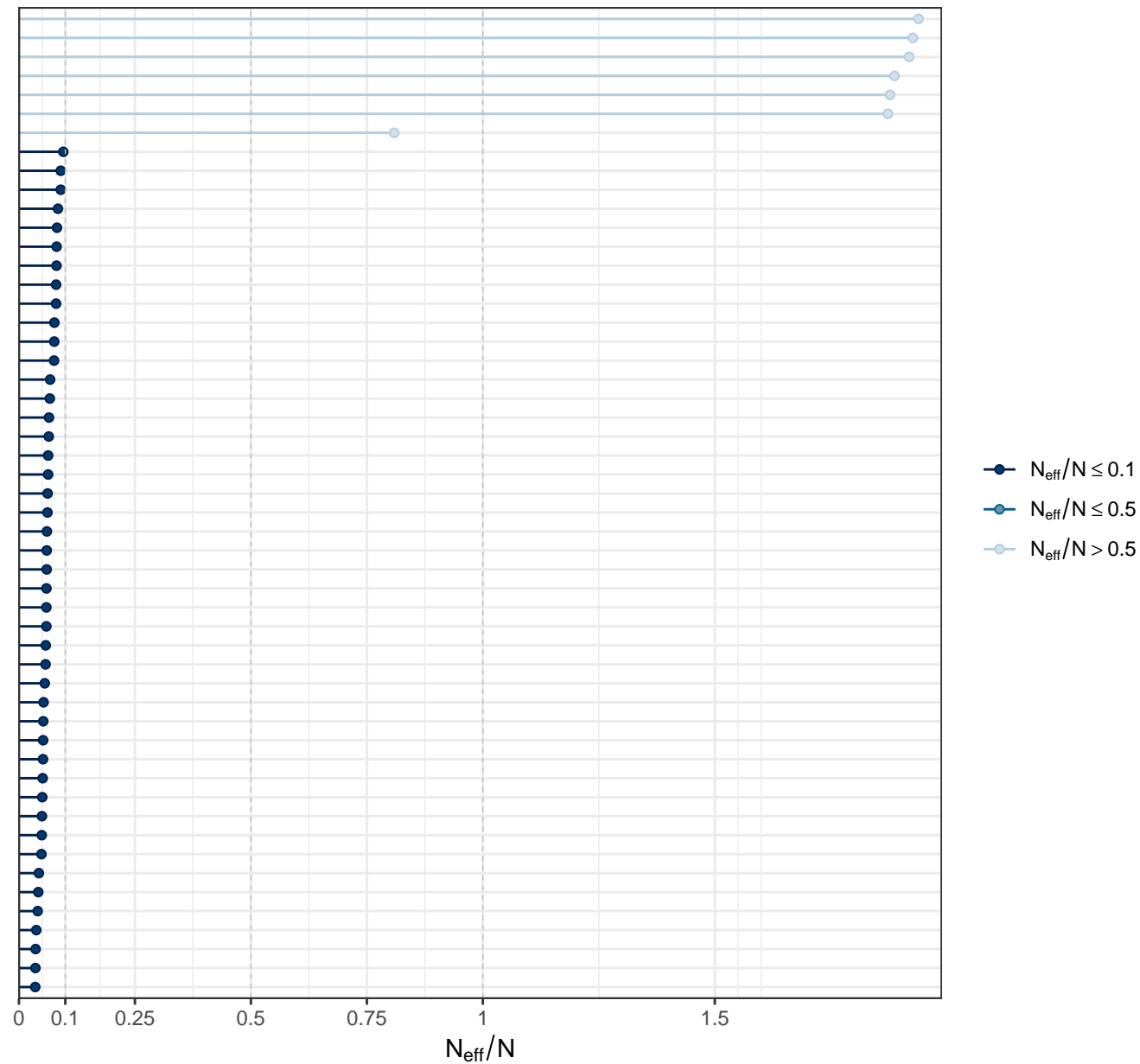




Rhat



## Bulk Effective Sample Size Ratio



## Tail Effective Sample Size Ratio

