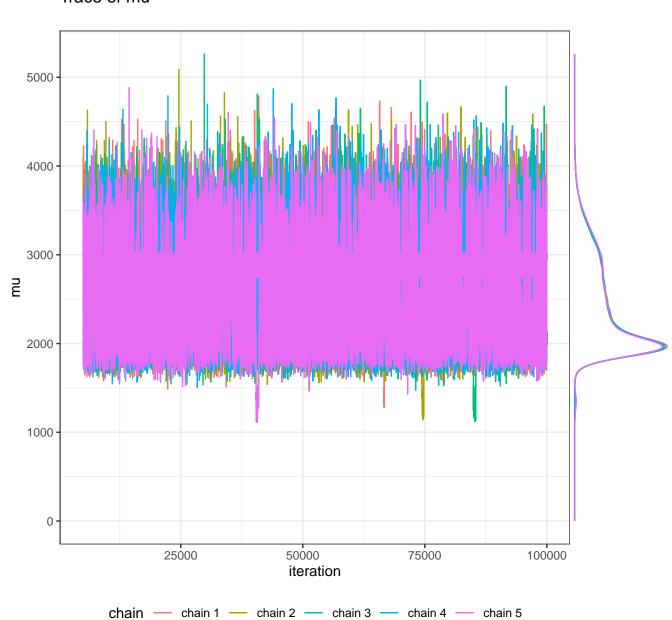
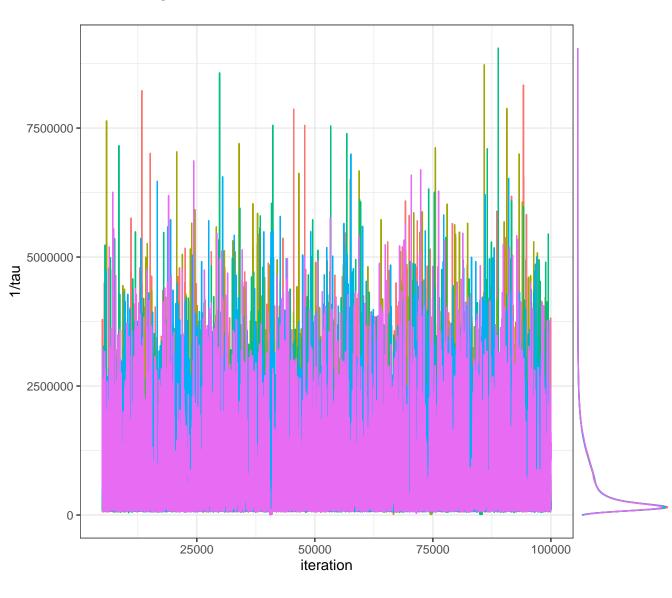
Trace of mu

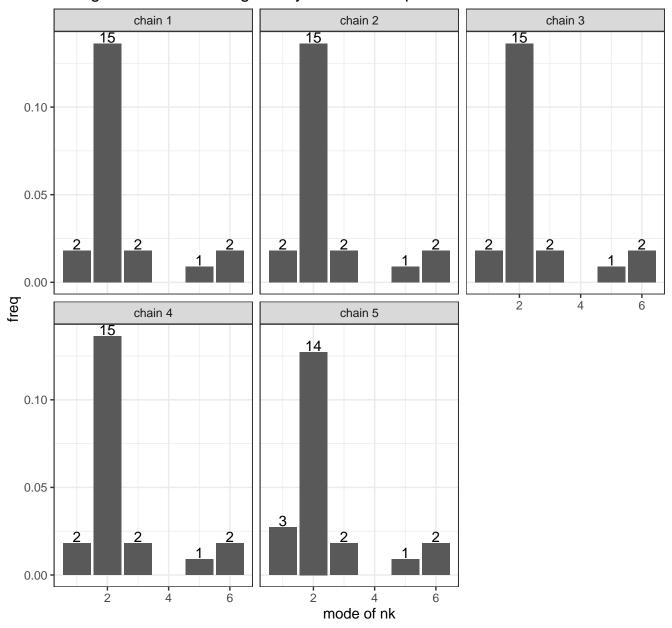


Trace of sigma^2



chain — chain 1 — chain 2 — chain 3 — chain 4 — chain 5

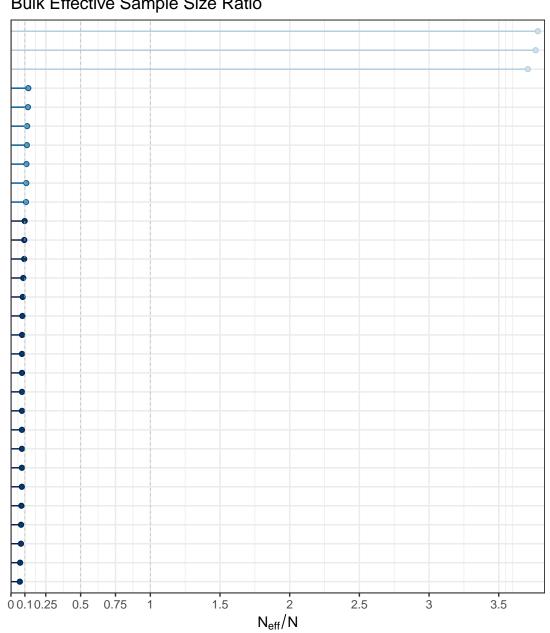
page 3 of 7 histogram of inferred nk given by mode of the posterior distribution



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- N<sub>eff</sub>/N  $\leq$  0.1  $\sim$  N<sub>eff</sub>/N  $\leq$  0.5  $\sim$  N<sub>eff</sub>/N > 0.5

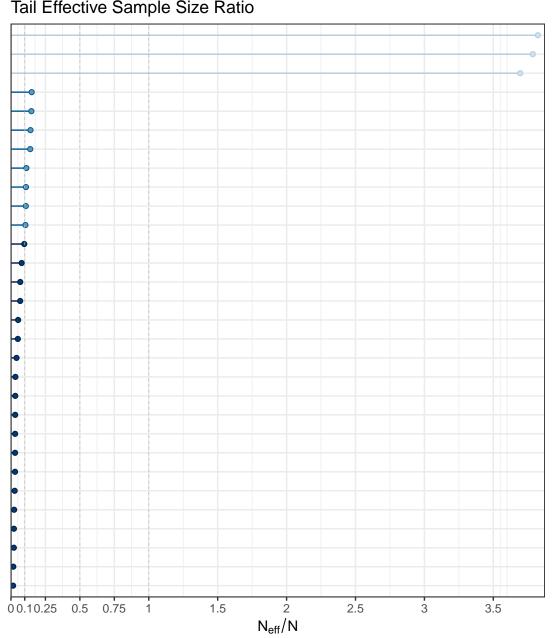
## Bulk Effective Sample Size Ratio



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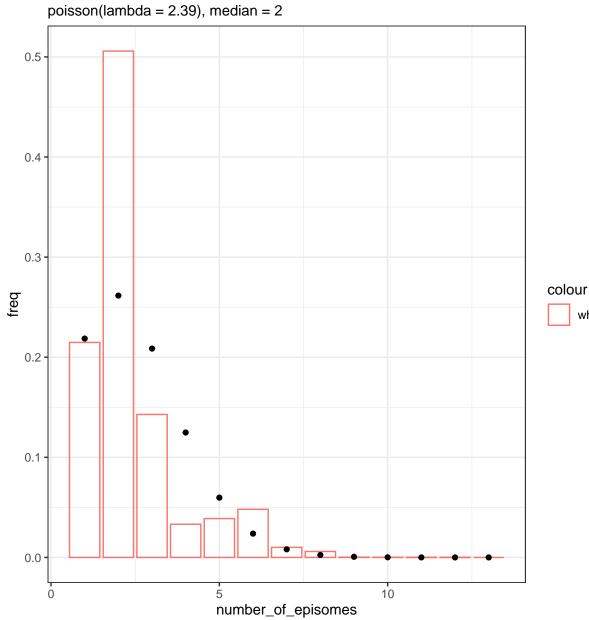
- N<sub>eff</sub>/N  $\leq$  0.1  $\sim$  N<sub>eff</sub>/N  $\leq$  0.5  $\sim$  N<sub>eff</sub>/N > 0.5

## Tail Effective Sample Size Ratio



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Sampled distribtion of initial number of episomes



whole posterior