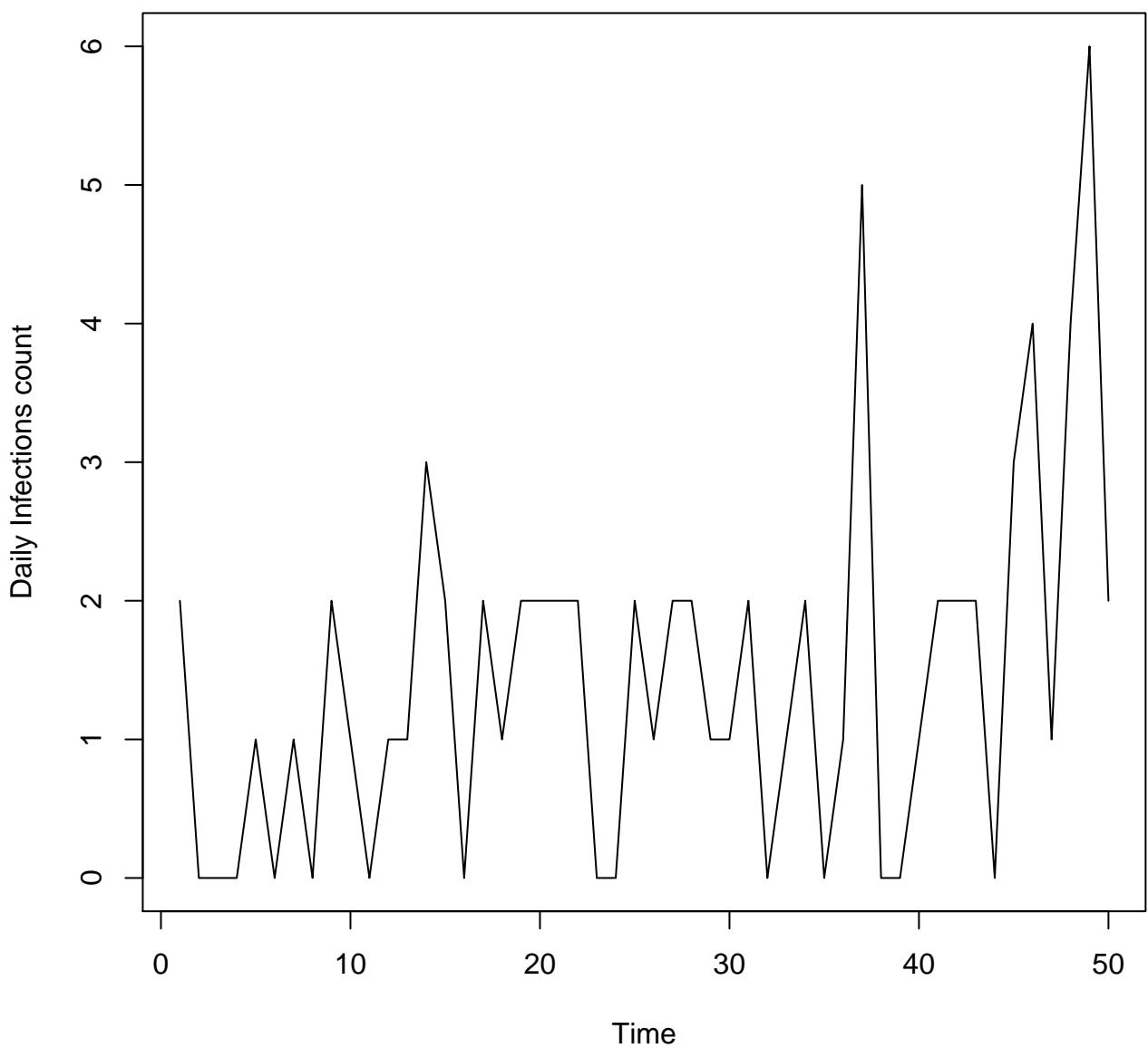
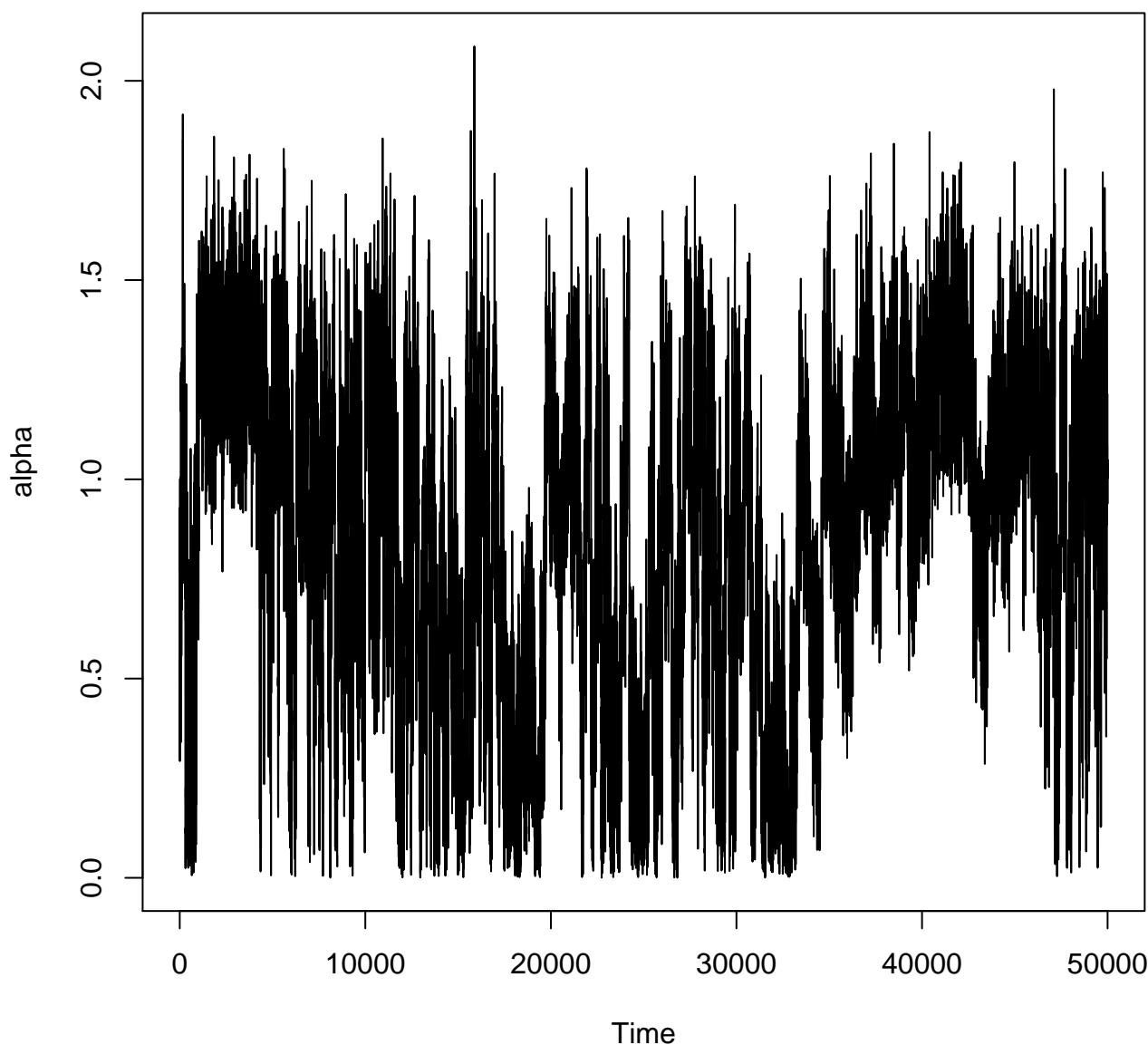


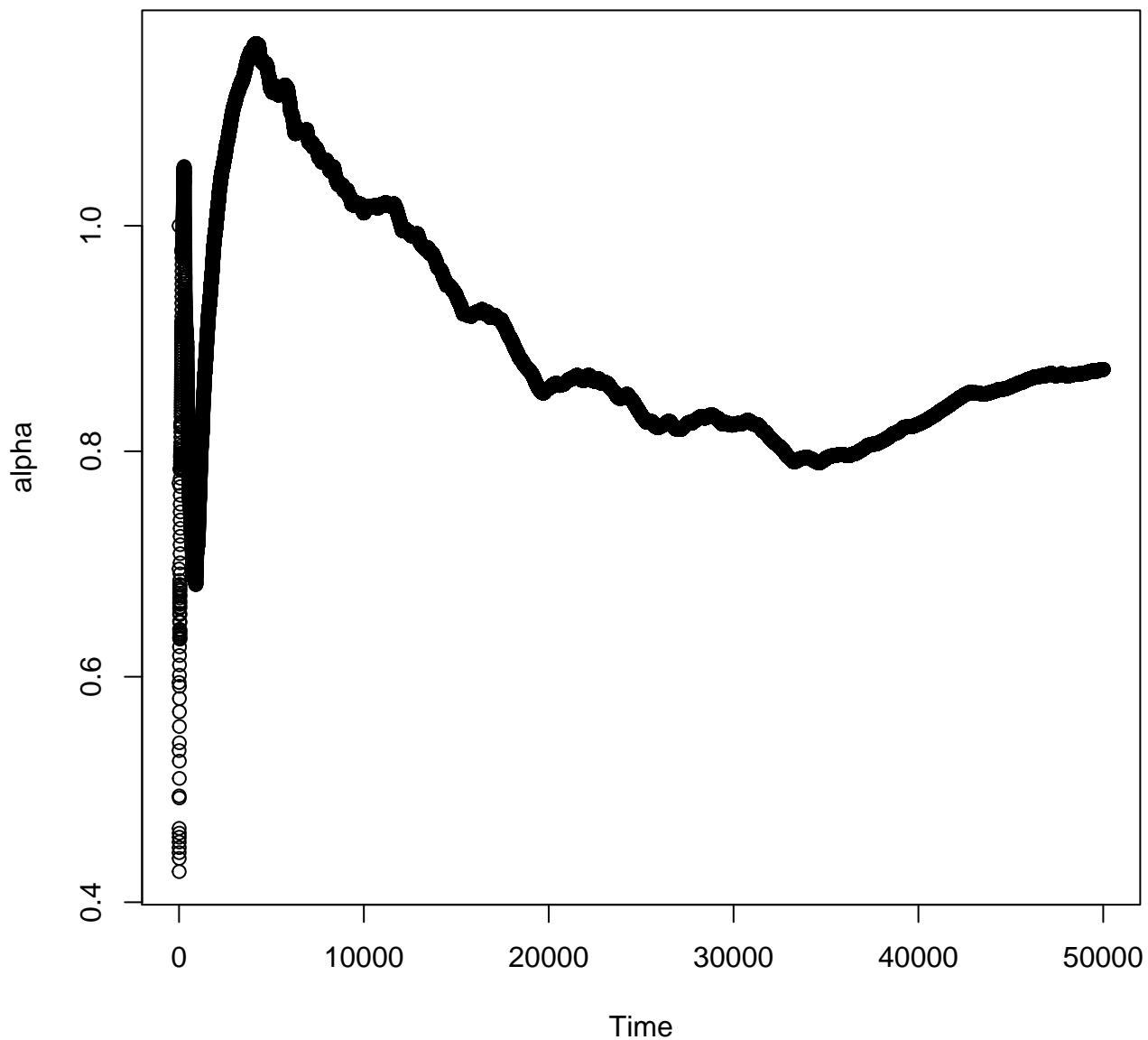
## Daily Infections count



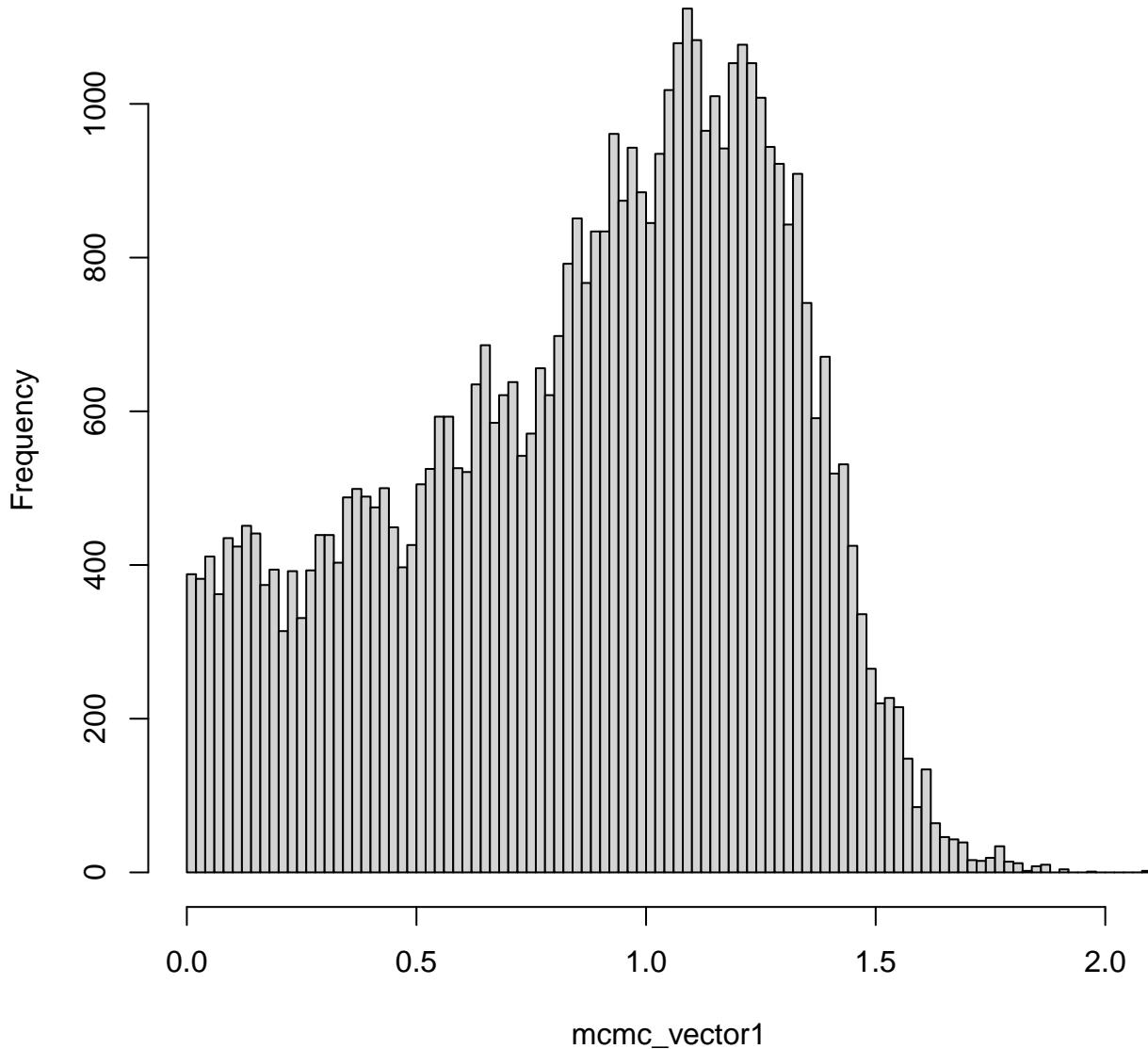
## MCMC Results. Alpha – Super spreading model, true alpha = 1.5



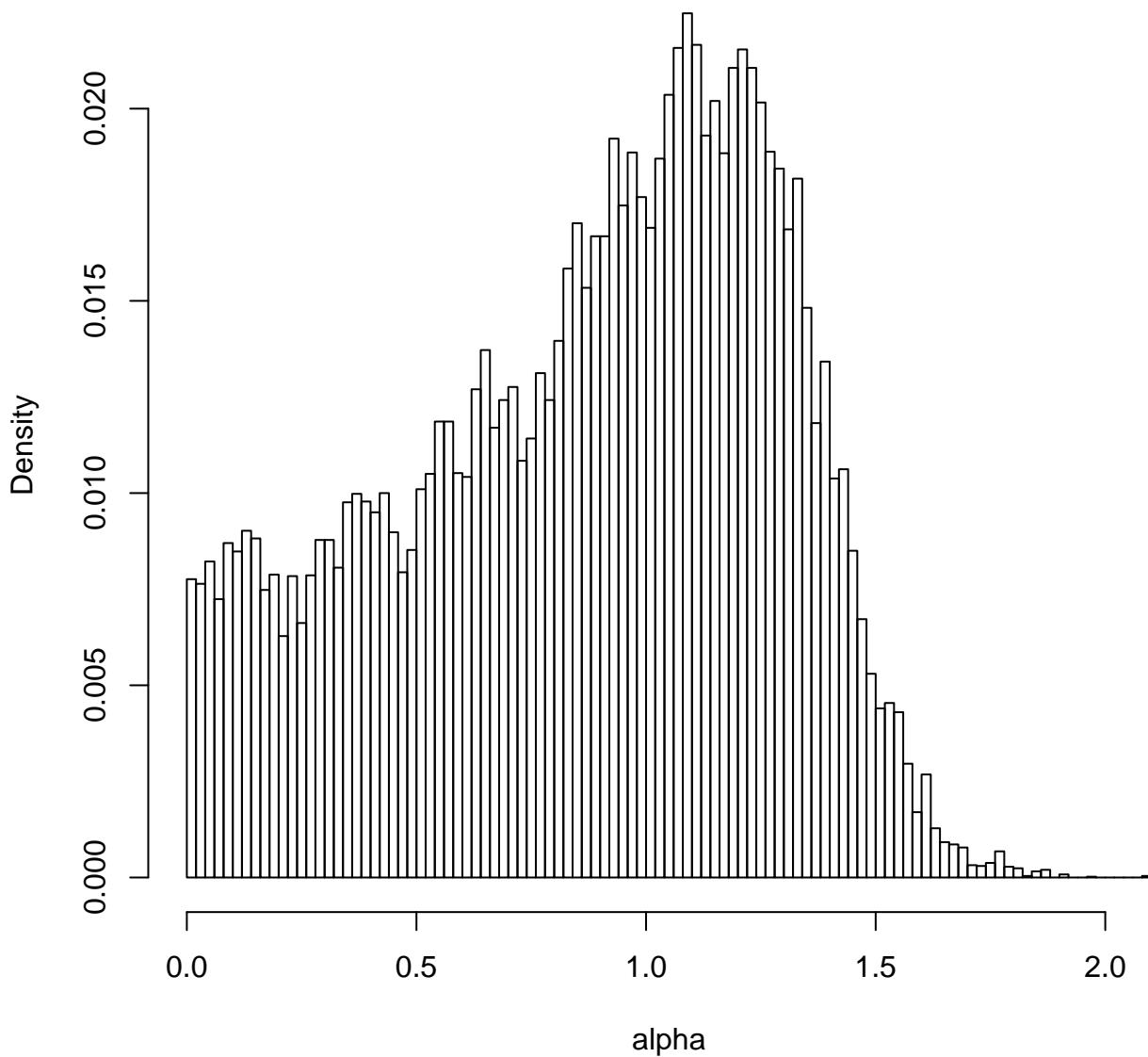
### Mean of alpha MCMC chain, True alpha = 1.5



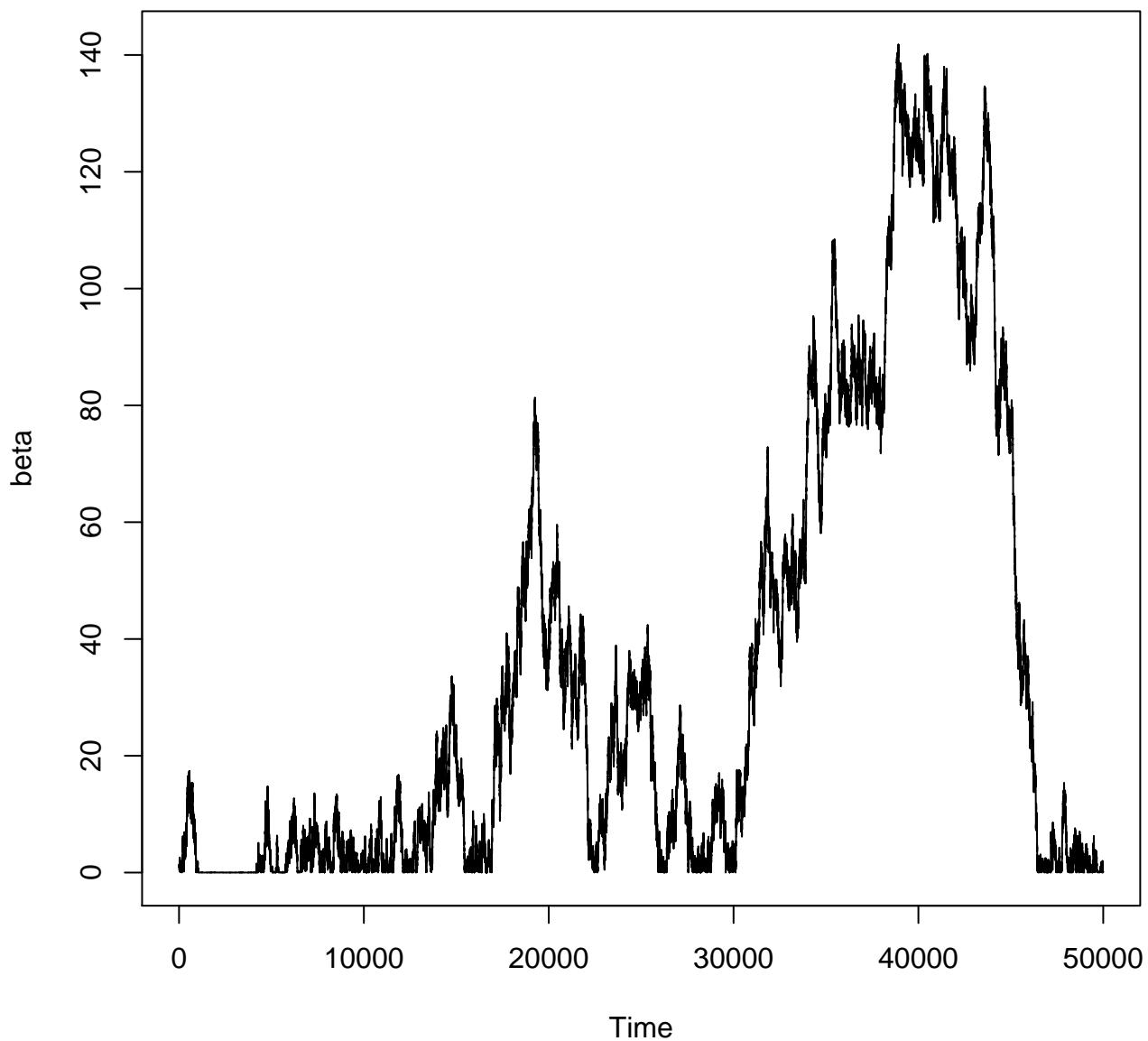
# Histogram of mcmc\_vector1



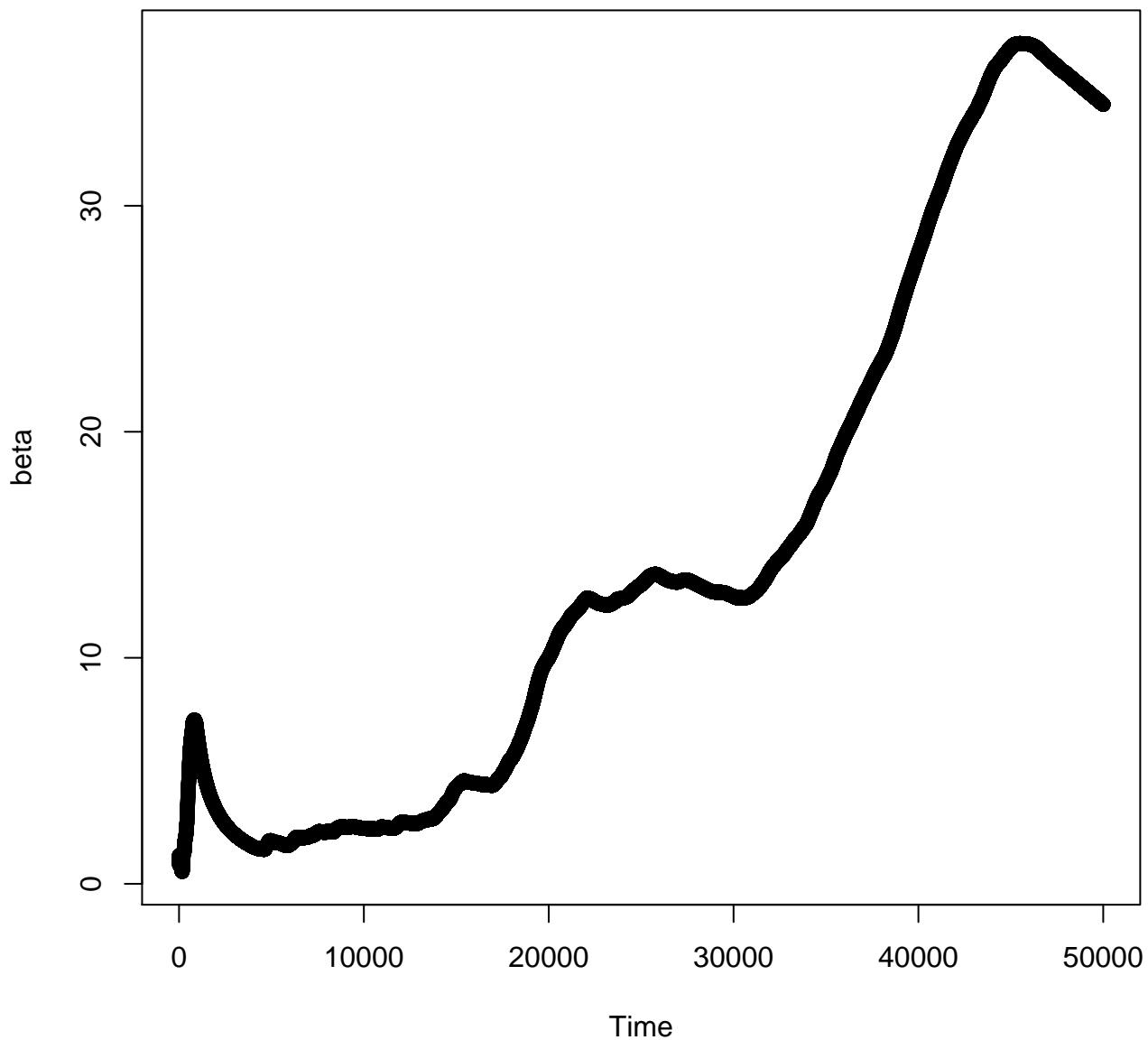
## Empirical density of alpha – MCMC chain



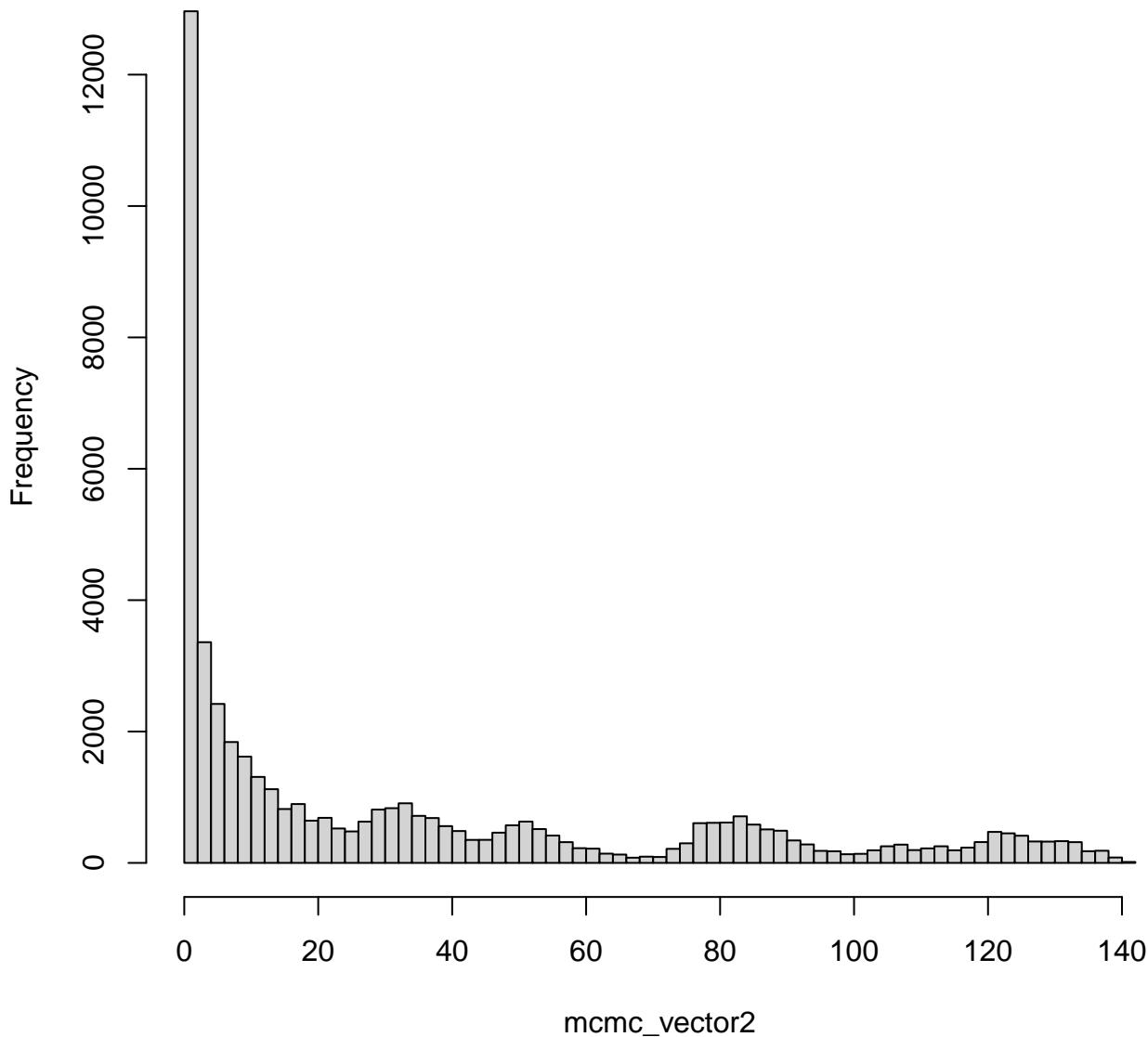
## MCMC Results; beta – Super spreading model, true beta = 0.05



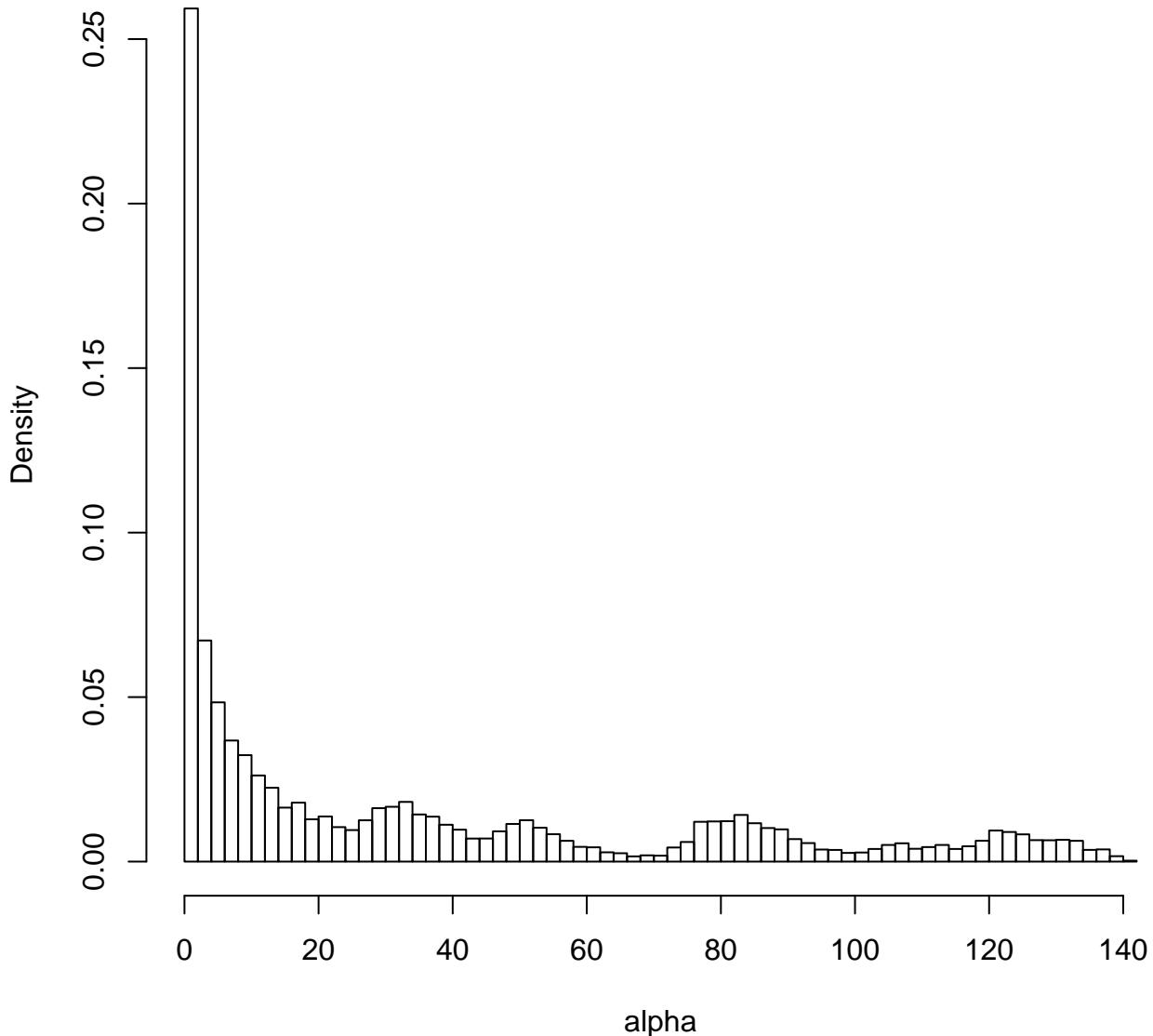
**Mean of beta MCMC chain, true beta = 0.05**



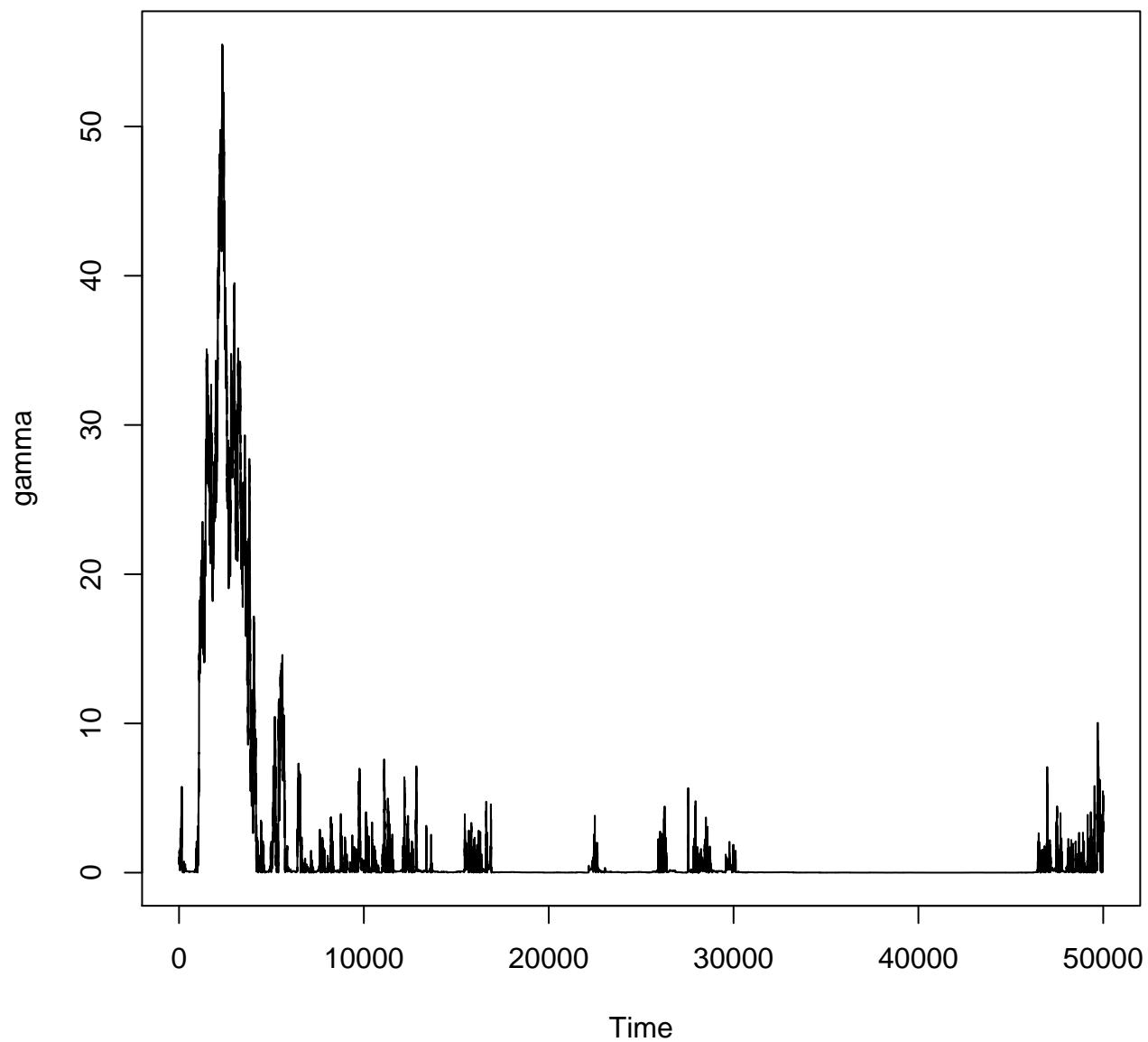
## Histogram of mcmc\_vector2



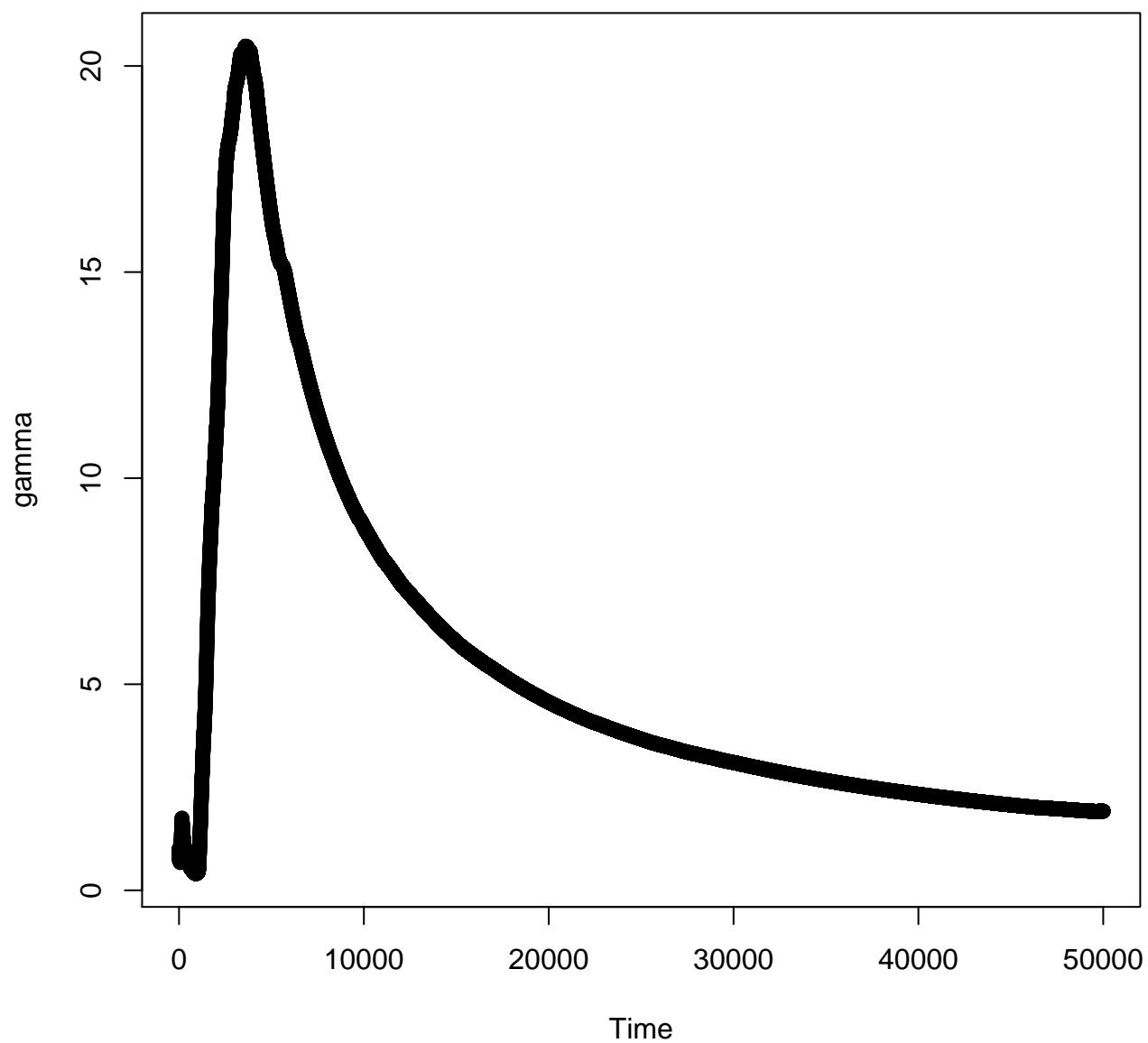
## Empirical density of beta – MCMC chain



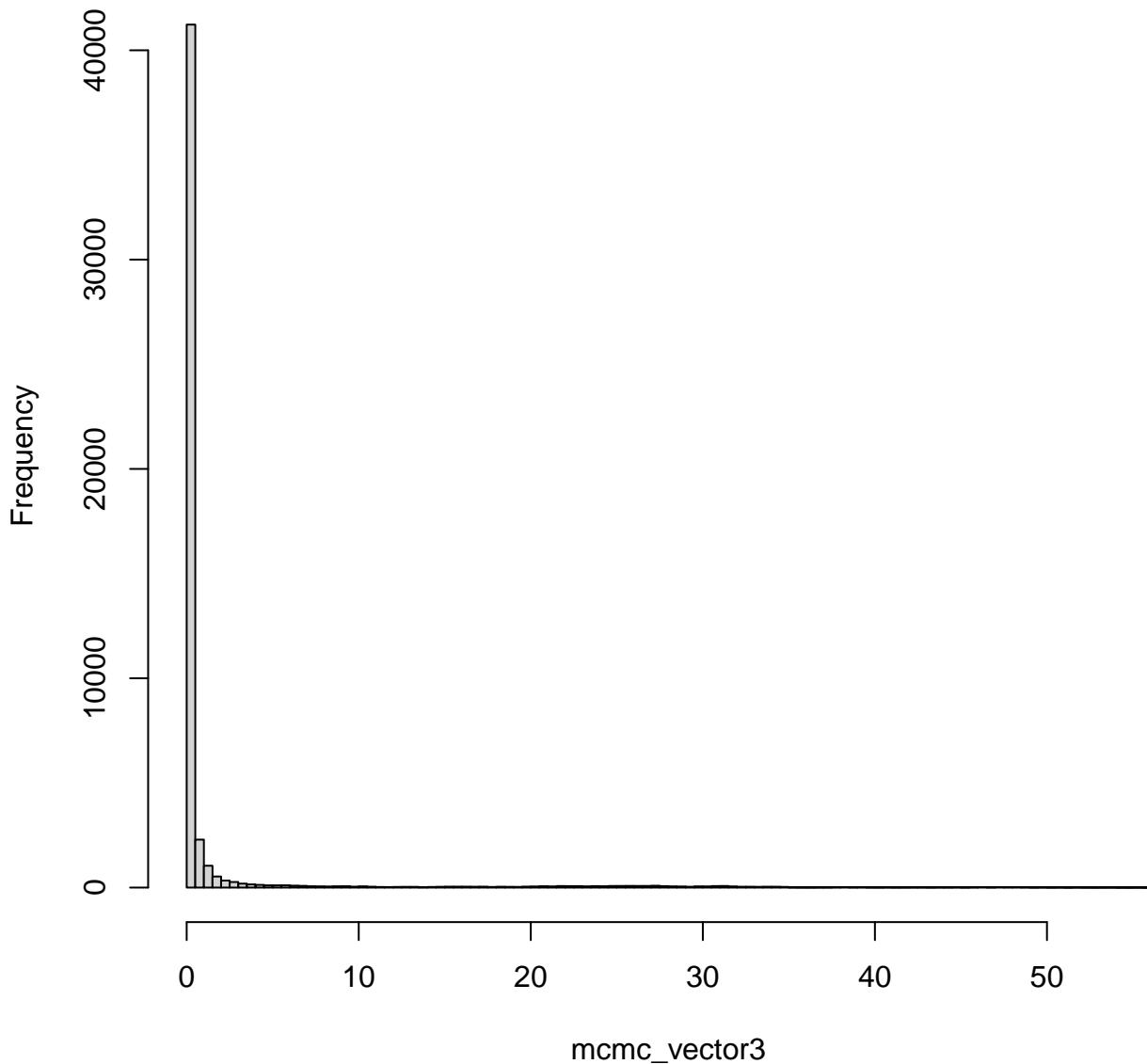
## MCMC Results; gamma – Super spreading model, true gamma = 10



### Mean of gamma MCMC chain, True gamma = 10



### Histogram of mcmc\_vector3



## Empirical density of gamma – MCMC chain

