

# Any questions on the previous material?

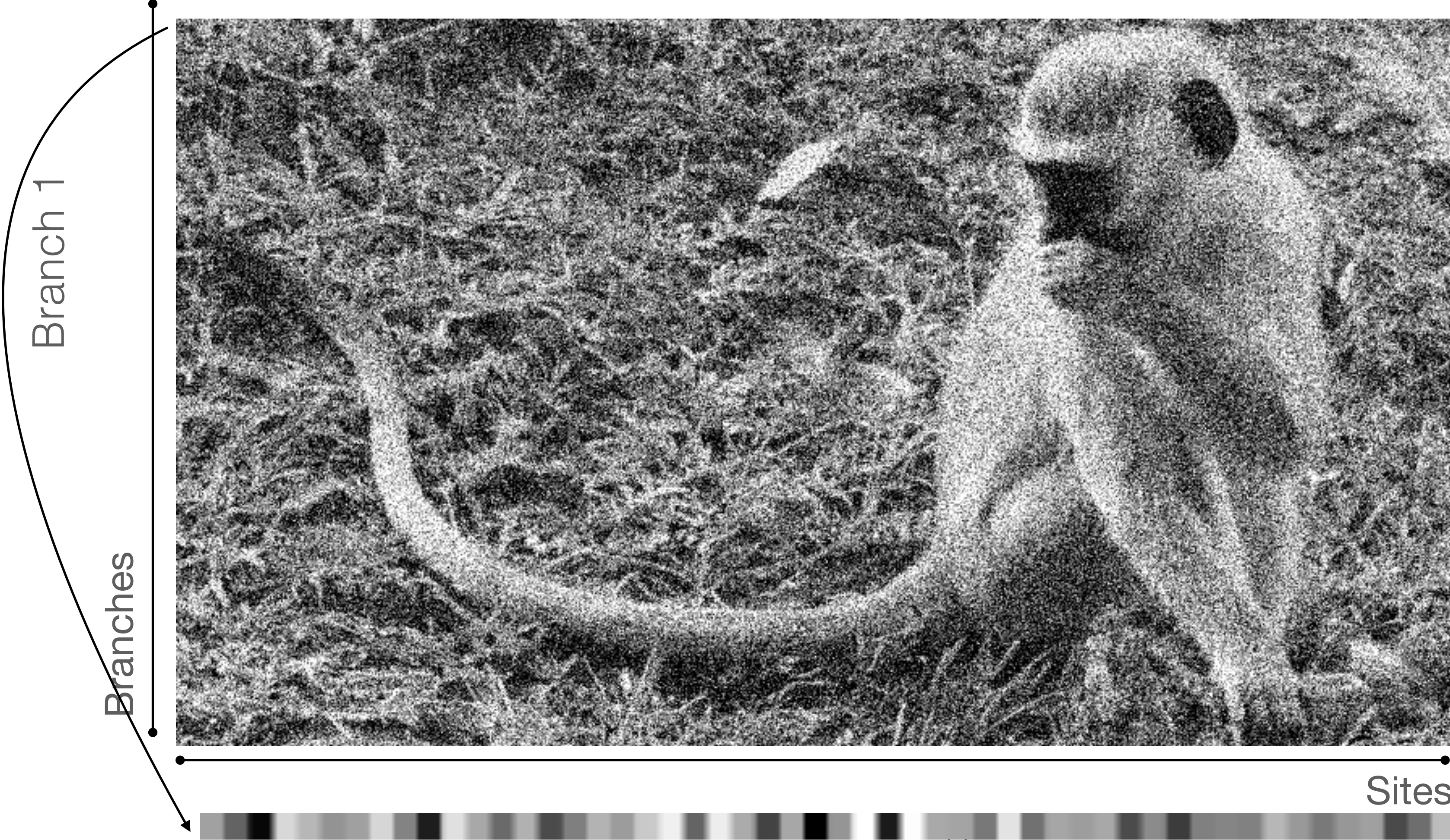


We covered the following methods in HyPhy: FitMG94, BUSTED

Which estimates a mean gene-wide dN/dS (FitMG94)

Or estimates dN/dS through a branch-site method (BUSTED)

# Which branches are under selection?



For each image **row**, is there a significant proportion of bright pixels, once the column has been reduced to **N** colors only?



[aBSREL]: at a given branch, each site is a draw from an N-bin ( $dN/dS$ ) distribution, which is inferred from all data for the branch. Test if there is a proportion of sites with  $dN/dS > 1$  (LRT). **N** is derived adaptively from the data.