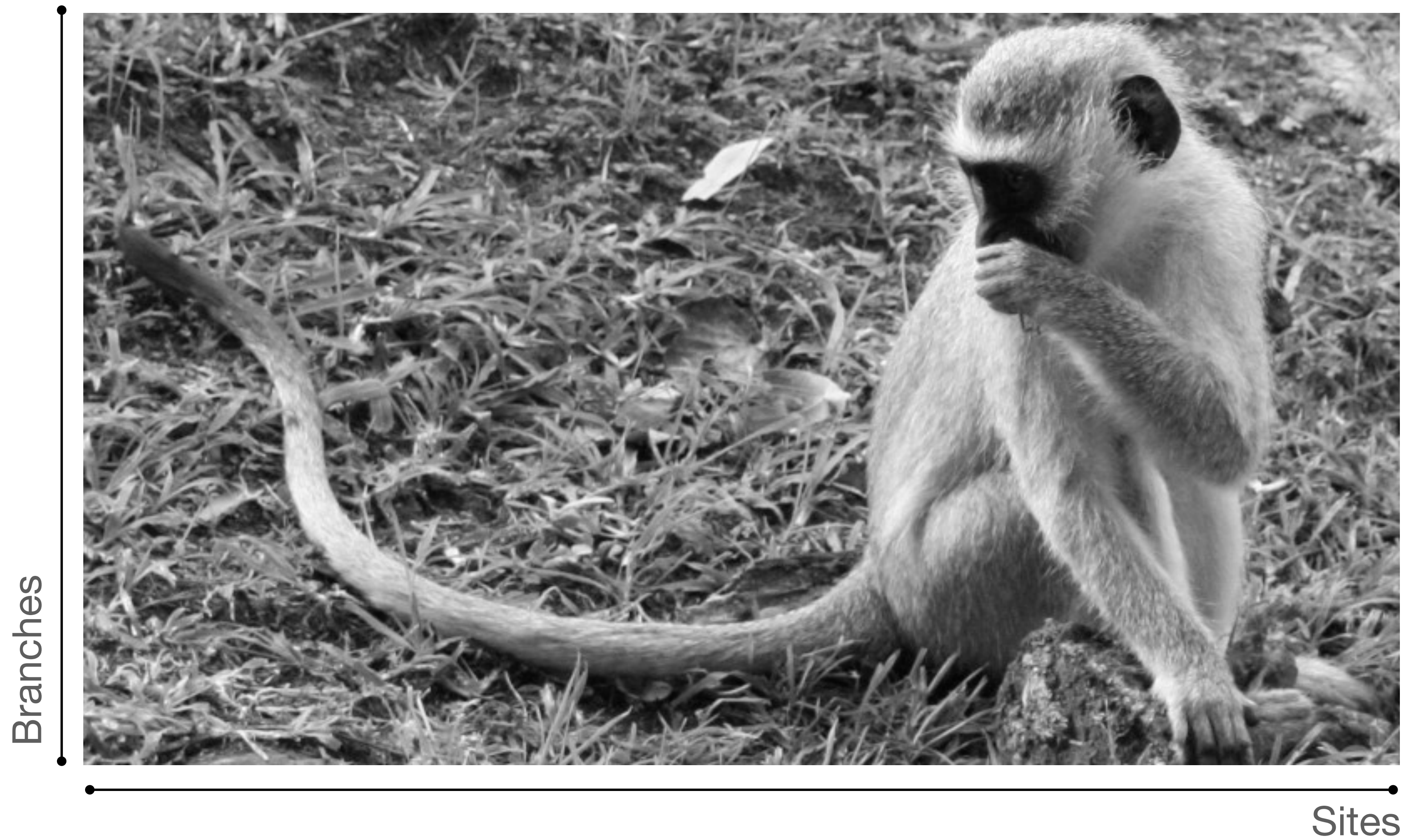


# Forget about the color



Intensity/brightness

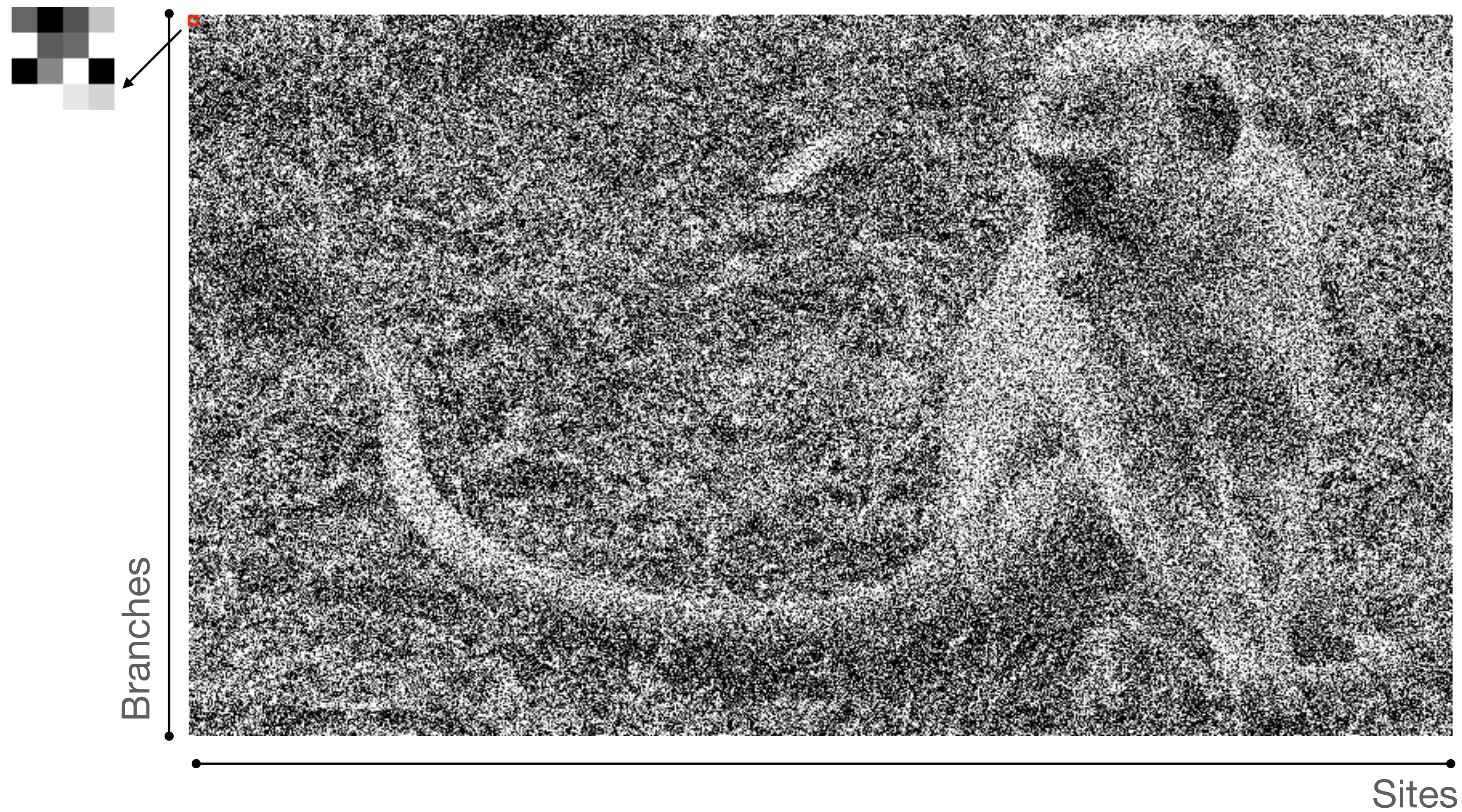
Color



Evolutionary rate ( $dN/dS$ )    Type of evolutionary/function/property change



# Evolution is largely unobserved and noisy



Visual noise



Saturation, missing data, model misspecification,  
sampling variation