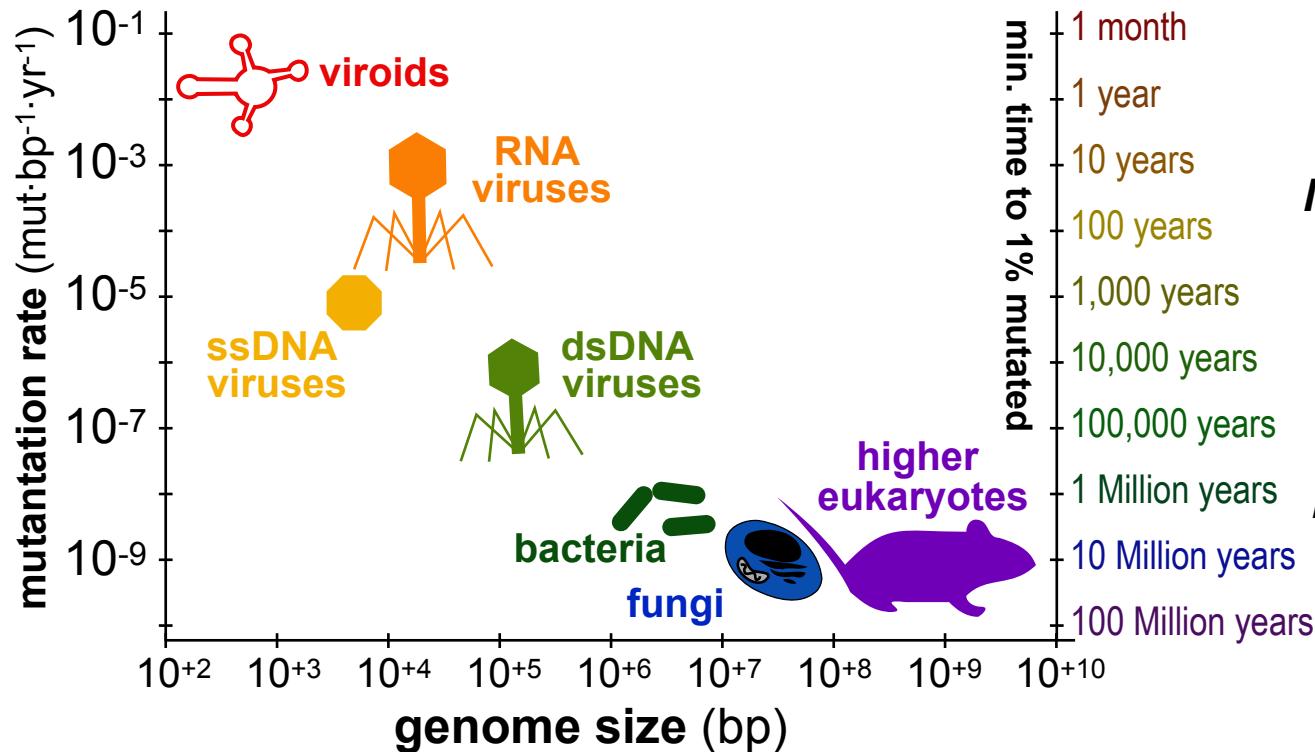


Mutation Rate(Individuals) = Maximum/Neutral Substitution Rate(Populations)



$$\text{Mutation Rate} = \text{Error Rate}$$

$$\frac{\text{Damage Rate}}{\text{Repair Rate}}$$

$$\text{Max. Subst. Rate} = \frac{\text{Population} \times \text{Mutation Rate}}{\text{Population}}$$

DNA polymerase
of population mutations
Mutant "Fixation" Probability

Practically Science.com

Jukes-Cantor Model: % Mutated is not % DNA-sequence change

$$\begin{aligned} \text{\% Sequence Change} \\ = 75\% \times (1 - e^{-\text{Mut-Rate} \cdot \text{time}}) \end{aligned}$$

