

Chene is subdivided into 1000 substates according to their lengths, the probability of the gene storying inside the gene is 1-trushere v = average length of the gene.

We choose a variable & such that our probability of getting a gene of size & is Px.

The transitioning k has values compounding. The probability of length $2-R_2$ is $(1-K_1)\times K_2$. Thus $k_2=\frac{72}{1-K_2}$. This can be expanded to include the entire distribution.