

$U \ll \lambda$  Mutation regime : "Weak U"

**1** mutational step

**Stochasticity:**

Evolution, Demography, Mutation

$U \gg \lambda$  Mutation regime : "Strong U"

**Arbitrary number** mutational step

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ER probability from **de novo** mutations

$$P_R = 1 - \exp(-N_0 \omega_R^{DN})$$

ER probability from **de novo** mutations and **standing genetic variance**

$$P_R = 1 - \exp(-N_0 \omega_R^{DN} (1 + \phi_R^{SV}))$$

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