

Compute the p_{fixation} for each possible mutant

$$\mathbb{S}' \longrightarrow \Delta G' \longrightarrow f(\Delta G')$$

Selection coefficient of the mutant:

$$s = \frac{f(\Delta G') - f(\Delta G)}{f(\Delta G)}$$

Probability of fixation of the mutant:

$$p_{\text{fixation}} = \frac{1 - e^{-2s}}{1 - e^{-4N_{\text{e}}}}$$

