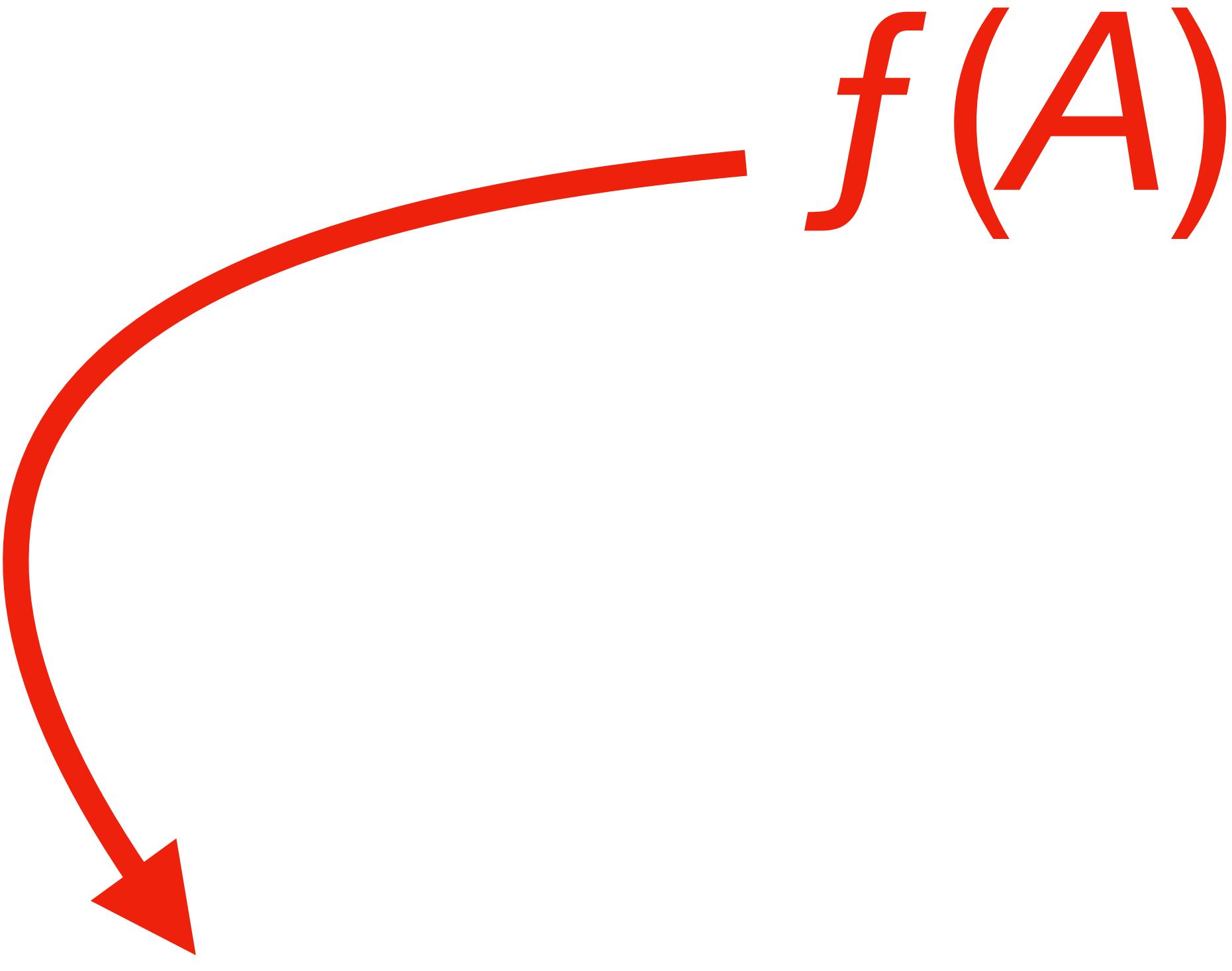
Expectations for Observing Genotypes

Population-Based Assignments

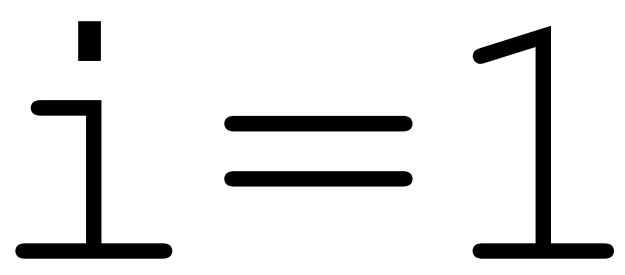
$$E[AA] = p^2(1-F) + pF$$

$$E[AB] = 2pq$$


f(A)

Inbreeing Coefficient

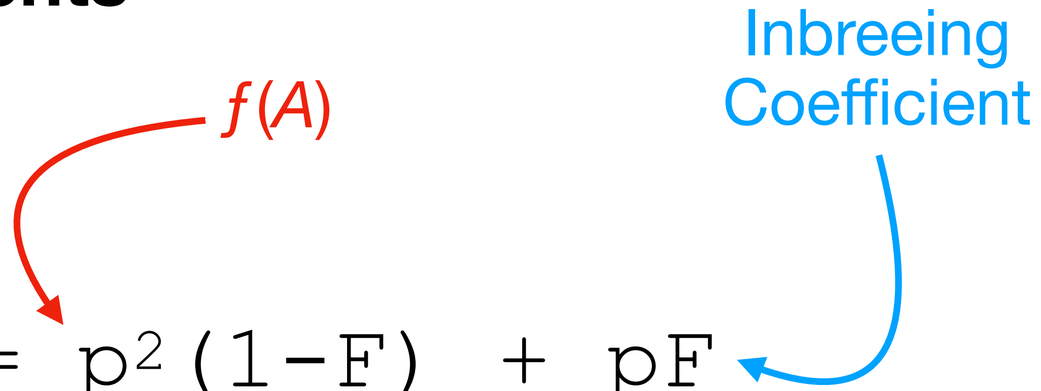

P(all loci) = ∏ E[genotype]i = passignemnt


i = 1

926

Expectations for Observing Genotypes

Population-Based Assignments



$$E[AA] = p^2(1-F) + pF$$

$$E[AB] = 2pq$$

$$P(\text{all loci}) = \prod_{i=1}^{926} E[\text{genotype}]_i = p_{\text{assignemnt}}$$

Population Exclusion

Population-Based Assignments

$$P(\text{🐢} \mid \text{Site-Y} \mid p_{1Y}, p_{2Y}, \ldots, p_{LY}) = E[\text{Multilocus} \mid \text{Site-Y Frequencies})$$

$$= \begin{cases} 0 : \text{Any site does not have allele} \\ p_{assignemnt} : \text{But also very small} \end{cases}$$