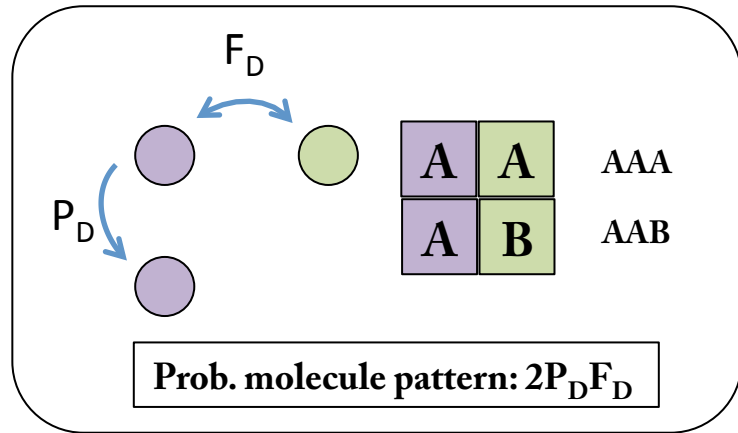


$$P(AAA) = P_D^2 + P_DF_D + \frac{1}{4}F_D^2$$

$$P(AAB) = P_DF_D + \frac{3}{4}F_D^2$$



$$= \frac{1}{4}P_D^2 + \frac{1}{2}P_D + \frac{1}{4}$$

$$= \frac{3}{4} - \frac{1}{4}P_D^2 - \frac{1}{2}P_D$$

