$$\mathbb{E}[\overline{X}] = \nu + \delta \ \nu(1-\nu) \frac{1-\mu}{\mu} \ (1-Q_{\text{out}}) \times$$

$$\left(-c - (b - c)\left(\frac{(1 - m)^2}{n} + \frac{m^2}{n(N_d - 1)}\right)\right)$$

$$Q_{in} - Q_{out} \left[-c - (b - c)(n - 1)(n - 1)\right]$$

$$+ \frac{Q_{in} - Q_{out}}{1 - Q_{out}} \left[ b - (b - c) (n - 1) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) \right]$$

Mutation-drift equilibrium 
$$\mathbb{E}[\overline{X}] = \nu + \delta \nu (1 - \nu) \frac{1 - \mu}{\mu} (1 - Q_{\text{out}}) \times \left( -c - (b - c) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) \right)$$

$$+\frac{Q_{in}-Q_{out}}{1-Q_{out}}\left[b-(b-c)(n-1)\left(\frac{(1-m)^2}{n}+\frac{m^2}{n(N_d-1)}\right)\right]$$

Mutation-drift equilibrium Selection strength 
$$\mathbb{E}[\overline{X}] = \nu + \delta \nu (1 - \nu) \frac{1 - \mu}{\mu} (1 - Q_{\text{out}}) \times \left( -c - (b - c) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) \right)$$

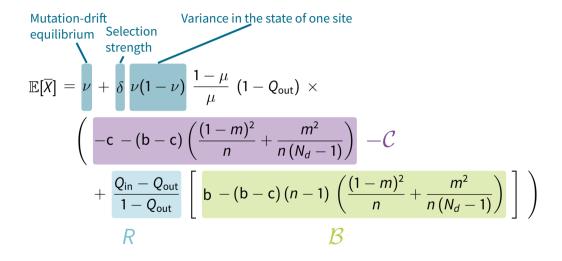
$$Q_{\text{in}} = Q_{\text{out}} \left[ -c - (b - c) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) \right]$$

$$\left(\begin{array}{c} n & n & (N_d - 1) \end{array}\right) + \frac{Q_{\text{in}} - Q_{\text{out}}}{1 - Q_{\text{out}}} \left[\begin{array}{c} b & -(b - c) & (n - 1) & \left(\frac{(1 - m)^2}{n} + \frac{m^2}{n & (N_d - 1)}\right) \end{array}\right]$$

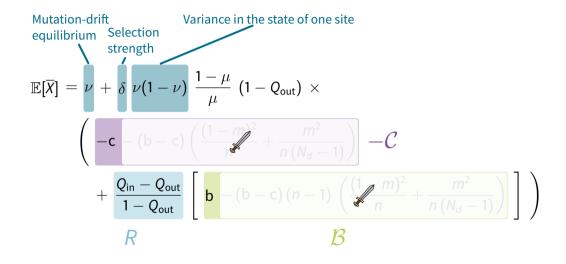
Mutation-drift equilibrium Selection strength 
$$\mathbb{E}[\overline{X}] = \nu + \delta \nu (1 - \nu) \frac{1 - \mu}{\mu} (1 - Q_{\text{out}}) \times \left( -c - (b - c) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) + \frac{Q_{\text{in}} - Q_{\text{out}}}{1 - Q_{\text{out}}} \left[ b - (b - c) (n - 1) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) \right] \right)$$

Mutation-drift equilibrium Selection strength 
$$\mathbb{E}[\overline{X}] = \nu + \delta \nu (1 - \nu) \frac{1 - \mu}{\mu} (1 - Q_{\text{out}}) \times \left( -c - (b - c) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) - C + \frac{Q_{\text{in}} - Q_{\text{out}}}{1 - Q_{\text{out}}} \left[ b - (b - c) (n - 1) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) \right] \right)$$

Mutation-drift equilibrium Selection strength 
$$\mathbb{E}[\overline{X}] = \nu + \delta \nu (1 - \nu) \frac{1 - \mu}{\mu} (1 - Q_{\text{out}}) \times \left( -c - (b - c) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) - C + \frac{Q_{\text{in}} - Q_{\text{out}}}{1 - Q_{\text{out}}} \left[ b - (b - c) (n - 1) \left( \frac{(1 - m)^2}{n} + \frac{m^2}{n (N_d - 1)} \right) \right] \right)$$



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