Data Analysis and Next Generation Sequencing: Applications in Microbiology.

Errata.

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- The left hand side of the right equation in (4.2) should be r instead of p. The corrected line is

$$p = \frac{\mu_i^A}{\sigma_i^2} \text{ and } r = \frac{{\mu_i^A}^2}{\sigma_i^2 - \mu_i^A}, \tag{4.2}$$

- The last sentence of section 5.2 is missing a negation. The sentence should be "*We will not discuss those in detail here and...*"

- All occurrences of p_2 in equations (6.8) to (6.12) should be p_l. The corrected expressions are listed below:

$$\begin{aligned} P(...) &= p_1 P_{2..l-1} p_l + p_1 P_{2..l-1}(1-p_l) + (1-p_1) P_{2..l-1} p_l, && (6.8)\\ &= p_1 P_{2..l-1} + P_{2..l-1} p_l - p_1 P_{2..l-1} p_l, && (6.9)\\ &= (p_1 + p_l - p_1 p_l)\, P_{2..l-1}. && (6.10) \end{aligned}$$

$$P(\mathbf{w}, \mathbf{w}^{\mathrm{L}}, \mathbf{w}^{\mathrm{R}} \text{ are all absent}) = \left(1 - (p_1 + p_l - p_1 p_l)\, P_{2..l-1}\right)^{N-l+1}. \tag{6.11}$$

$$\begin{aligned} P(\mathbf{w} \text{ is a MAW}) &= \left(1 - p_1 P_{2..l-1} p_l\right)^{N-l+1} - \left(1 - p_1 P_{2..l-1}\right)^{N-l+2} \\ &\quad - \left(1 - P_{2..l-1} p_l\right)^{N-l+2} + \left(1 - (p_1 + p_l - p_1 p_l)\, P_{2..l-1}\right)^{N-l+1}. \end{aligned} \tag{6.12}$$