ERRATUM

Expected Inbreeding with Recurrent Selection in Maize: I. Mass Selection and Modified Ear-To-Row Selection

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Volume 38, no. 6, p. 1432–1436: On p. 1433, column 2, paragraph 2, the text reads “Similarly, the number of contributing gametes (k)...” It should read “...the number of contributing gametes (k)...”

On p. 1433, column 2, paragraph 4, the text reads “Thus, n’ and m’ are calculated as follows: m’ = Q^−1/2, and n’ = Q^{1/2}. Therefore, for MS, Eq. [2] becomes

F[MS - Ne( e(\(e(v))\)) - SI], = \[1/2Ne( e(\(e(v))\)) \{1 + 2Q^{-1/2}[Q^{1/2} - 1]F_{i-1} + 2[Q^{-1/2} - 1] F_{i-2} + F_{i-3}\}.

It should read “Thus, n’ and m’ are calculated as follows: m’ = [Ne( e(\(e(v))\)) /Q]^{1/2} = Q^{-1/2}N^{1/2}_{e(\(e(v))\)}, and n’ = Q^{1/2}N^{1/2}_{e(\(e(v))\)}. Therefore, for MS, Eq. [2] becomes

F[MS - Ne( e(\(e(v))\)) - SI], = \[1/2Ne( e(\(e(v))\)) \{1 + 2Q^{-1/2}N^{1/2}_{e(\(e(v))\)}[Q^{1/2}N^{1/2}_{e(\(e(v))\)} - 1] F_{i-1} + 2[Q^{-1/2}N^{1/2}_{e(\(e(v))\)} - 1] F_{i-2} + F_{i-3}\}.

On p. 1436, column 1, paragraph 3, the text reads “To compare Falconer’s approach to my approach, I have to consider that there is no selection, that there is only one individual per family, and that selfing is the only source of inbreeding. Equation [2] then becomes

F(n, ONLY SELFING), = (1/2n) \{1 + 2(n - 1)F_{i-1} + F_{i-1}\} = (1/2n) \{1 - (1/2n)\}F_{i-1},

which is equal to Eq. [6].” It should read “... = (1/2n) + \{1 - (1/2n)\}F_{i-1} [c], which is equal to Eq. [6]."