

QUANTITATIVE GENETICS

Title Coefficients of Inbreeding – Self-pollinationPurpose:

Help students to estimate Coefficients of Inbreeding – Self-pollination

Goal:

Apply the concepts of identity by descent to determine coefficients of inbreeding and kinship in a regular system of inbreeding.

Keywords:

Coefficient of Kinship, Coefficient of Inbreeding

ALA: How to calculate the coefficient of inbreeding under self-pollination

1. Diagram a pedigree for four generations of self-pollination after crossing two unrelated individuals.
2. Determine the coefficients of inbreeding and relationships for all members of the pedigree.