

Quantitative Genetics for Quality Experimentation

With an introduction explaining how contemporary developments in the fields of genetics, statistics and probability theory blended to evolve the subject of quantitative genetics, the book deliberates on how genetic theory is built on measured trait values (phenotypes) leading further to analysis of genetic variation encompassing several areas like genetic divergence, inbreeding, heterosis, mating systems, mating designs and theory of selection. Presentation of established concepts in a new light, a fresh look at QT basics with a special attention to traits governed by two genes, and a new orientation to genetic divergence and various genetic parameters in random mating and inbreeding populations are new highlights. The engaging presentation is expected to motivate even those with little mathematical/statistical background, and those professing diverse fields like agriculture, biology and biotechnology for quality experimentation.

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