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Molecular Quantitative Genetics Applied to Plant Breeding

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Message from the Guest Editors

Quantitative genetics has been used by plant breeders over the years to systematically select germplasm for crop improvement. This has been enhanced with the use of molecular markers, which enabled the identification of genes or quantitative trait loci (QTL), and consequently marker-assisted selection, for economically-important traits of interest. Advances in molecular marker and computer technologies have contributed to significant progress in the field of plant molecular quantitative development single-nucleotide genetics. The of polymorphism markers enables high-throughput genotyping at a lower cost. Modern computers can analyze large datasets, as well as conduct simulations, using complex statistical models. These recent developments are expected to improve efficiency in selecting the germplasm whose genotypic values best meet the breeder's objectives.











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Message from the Editor-in-Chief

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