



Cereal Genomics

This book, the first of its kind and written by experts in the field, covers all aspects of cereal genomics research.

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The areas covered in this book include, development and use of all kinds of molecular markers (including SNPs), construction and use of molecular maps, study of population genetics and domestication of cereals using tools of genomics research, structural and functional genomics (including whole genome sequencing in Arabidopsis and rice), comparative genomics, QTLs (including epistatic and e-QTLs) and genes for resistance against biotic and abiotic stresses, marker assisted selection (MAS), map-based cloning of genes/QTLs and the use of genomics research for crop improvement.

Broad Subjects:

Life Sciences

Specific Subjects:

Genetics; Plant Sciences

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