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	Jiayang Li 13. High-throughput and precision phenotyping for cereal breeding programs: Boddupalli M. Prasanna 14. Marker-Assisted Selection in Cereals: Platforms, Strategies and Examples: Yunbi Xu et al Index.
Sommario/riassunto	During the last decades, major advances have been made in the field of cereal genomics. For instance, high-density genetic maps, physical maps, QTL maps and even draft genome sequence have become available for several cereal species. This has been facilitated by the development of next generation sequencing (NGS) technologies, so that, it is now possible to sequence genomes of hundreds or thousands of accessions of an individual cereal crop. Significant amounts of data generated using these latest NGS technologies created a demand for computational tools to analyse this massive data. These developments related to technology and the tools, along with their applications not only to plant and genome biology but also to breeding have been documented in this volume. The volume, entitled "Cereal Genomics" published in 2004. The new volume has updated chapters, from the leading authorities in their fields, on molecular markers, next generation sequencing platform and their use for QTL analysis, domestication studies, functional genomics and molecular breeding. In addition, there are also chapters on computational genomics, whole genome sequencing and comparative genomics of cereals. The book should prove useful to students, teachers and young research workers as a ready reference to the latest information on cereal genomics.