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Descrizione fisica	1 online resource (220 pages)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Economic Value and Research Significance of Moso Bamboo -- Chapter 2. Moso Bamboo Germplasm Resources in China/World -- Chapter 3. Biological Traits of Moso Bamboo -- Chapter 4. Moso Bamboo Genome -- Chapter 5. Moso Bamboo Transposon -- Chapter 6. Transcriptome of Moso Bamboo -- Chapter 7. Moso Bamboo Alternative Splicing (AS) and Polyadenylation -- Chapter 8. Characterizations and Function of Transcript Factor Gene families -- Chapter 9. MicroRNAs of Moso Bamboo -- Chapter 10. Mitochondrial Genome of Endophytic Fungi from the Seed of Moso Bamboo -- Chapter 11. Breeding Strategies of Moso Bamboo.
Sommario/riassunto	This book is the first comprehensive compilation describing the botanical traits, genetic resources, whole genome sequencing, Mitochondrial genome, transcriptomes of different organs with developmental stages, transcription factors, delineating gene evolution of gene family in Bambusoideae, alternative splicing (AS) and polyadenylation, case studies for economically important traits such as internode length, shoot fast growing, flowering, ageing and stress-

resistant genes and small RNAs-mediated gene regulation of moso bamboo flowering and other developmental stages. Applications of transcriptome and genome approaches in moso bamboo in general and the prospects of transgenic breeding and genome editing technologies in bamboo are also discussed. Altogether, the book comprises eleven chapters covered over 200 pages authored by the researchers involved in genomic science, molecular biology, and breeding. This book appeals to graduate students, post-graduate students, research scholars,researchers, and industry players in the field of plantation bamboo in general, bamboo processing and bamboo garden owner and fans of bamboo culture in particular.