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Collana	Genetics, Genomics and Breeding of Crop Plants
Altri autori (Persone)	JoshiChandrashekhar P DiFazioStephen P KoleChittaranjan
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Nota di contenuto	Front Cover; Dedication; Preface to the Series; Preface to the Volume; Contents; List of Contributors; Abbreviations; 1. Populus: A Premier Pioneer System for Plant Genomics; 2. Populus Genomic Resources; 3. Haplotype Analysis of Complex Traits in Outcrossing Tree Species: Allele Discovery of Quantitative Trait Loci; 4. The Populus Genome Sequence; 5. Poplar Genome Microarrays; 6. Poplar Proteomics: Update and Future Challenges; 7. Metabolomics in Poplar; 8. Transcription Factors in Poplar Growth and Development 9. Auxin Signaling and Response Mechanisms and Roles in Plant Growth and Development 10. Genetic Control of the Annual Growth Cycle in Woody Plants; 11. Regulation of Flowering Time in Poplar; 12. Phenylpropanoid and Phenolic Metabolism in Populus: Gene Family Structure and Comparative and Functional Genomics; 13. Ecogenomics of Mycorrhizal Interactions Mediated by the Aspen Genome under Elevated Ozone and Carbon Dioxide#; Back Cover
Sommario/riassunto	<P>Written by researchers representing six countries and 28

institutions, this book highlights the development of the genus *Populus* as a model organism for tree genomics. Reflecting an impressive depth of coverage, the contributors' thorough reviews and analyses of *Populus* genomics provide insight into future discoveries about the basic biology of this fascinating genus and paves the way for applied breeding and genetic improvement of poplars.

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