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Nota di contenuto	Chapter 1. Advances in The Genomic and Transcriptomic Sequencing of North American Pines -- Chapter 2. Advances in Genetic Mapping in Pines -- Chapter 3. Transposable Elements in Pines -- Chapter 4. Genomics of Climate Adaptation in Pinus Lambertiana -- Chapter 5. Maritime Pine Genomics in Focus -- Chapter 6. Understanding the Genetic Architecture of Complex Traits in Loblolly Pine -- Chapter 7. Genomics of Disease Resistance in Loblolly Pine -- Chapter 8. Genomic Advances in Research on Genetic Resistance to White Pine Blister Rust in North American White Pines -- Chapter 9. Functional Genomics of Mediterranean Pines -- Chapter 10. Pinus Sylvestris as a Reference Plant Species in Radiation Research: Transcriptomics of Trees from the Chernobyl Zone -- Chapter 11. Genomic Selection in Scots (Pinus Sylvestris) and Radiata (Pinus Radiata) Pines -- Chapter 12. Community-Based Genome Resource Needs in Pines.
Sommario/riassunto	This book is the first comprehensive compilation of the most up-to-date research in the genomics, transcriptomics, and breeding of pine

species across Europe, North America, and Australia. With chapters on the state of the reference genomes, transposon function, genome-wide diversity, functional genomics, genomics of disease resistance, genomics of abiotic stress, and genomic selection, this book is a must-read for scientists, breeders, and students of plant genomics. The book contains 12 chapters over 300 pages authored by a group of world-renowned scientists in the field of pine genomics. Pines (*Pinus*) are the world's most economically important forest tree species. The recent genome sequencing of several important pine species has paved the way for understanding their complex biology and helps future management and breeding efforts.

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