

1. Record Nr.	UNINA9910466548603321
Autore	Nemecky Marek
Titolo	Co drzi spolecnost pohromade? : pojeti societalni komunity a konstitutivniho symbolismu u Talcotta Parsonse, Richarda Muncha a Jeffreyho Alexandera / / Marek Nemecky
Pubbl/distr/stampa	[Place of publication not identified] : , : Univerzita Karlova, Nakladatelstvi Karolinum, , [2015] ©2015
ISBN	80-246-3036-2
Edizione	[Vydani prvni.]
Descrizione fisica	1 online resource (197 pages)
Disciplina	301.0924
Soggetti	Social systems Communities Social conflict Electronic books.
Lingua di pubblicazione	Ceco
Formato	Materiale a stampa
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2. Record Nr.	UNINA9910416103303321
Titolo	The Spruce Genome / / edited by Ilga M. Porth, Amanda R. De la Torre
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-21001-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIV, 218 p. 48 illus., 25 illus. in color.)
Collana	Compendium of Plant Genomes, , 2199-4781
Disciplina	634.956 634.9752
Soggetti	Plant genetics Plant breeding Forests and forestry Plant Genetics and Genomics Plant Breeding/Biotechnology Forestry Coníferes Genètica vegetal Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- The White spruce genome -- Targeted and whole genome re-sequencing for population and evolutionary genomic inferences in Norway spruce -- Transposable elements in Spruce -- An intact, but dormant LTR retrotransposon defines a moderately-sized family in white spruce (<i>Picea glauca</i>) -- The DNA methylome of Norway spruce -- Epigenomics in Norway spruce -- Comparative Genomics of Spruce -- Comparative genomics with the comparisons of BACs between loblolly pine and white spruce -- Wood formation and genomic selection in white spruce, data imputation strategies -- Ecotypes in Norway spruce ("Genomics of adaptation to drought across the Central European range of Norway spruce") -- Local adaptation in the interior spruce hybrid complex -- Genomics of secondary metabolism - Terpenoids in spruce (Evolutionary dynamics of TPS gene

family in Chinese spruce) -- Lignin biosynthesis in Norway spruce as an anti-fungal defense -- Future prospects.

Sommario/riassunto

This book offers comprehensive information on the genomics of spruces (*Picea* spp.), naturally abundant conifer tree species that are widely distributed in the Northern Hemisphere. Due to their tremendous ecological and economic importance, the management of forest genetic resources has chiefly focused on conservation and tree improvement. A draft genome sequence of the 20-gigabase Norway spruce genome was published in the journal *Nature* in 2013. Continuous efforts to improve the spruce genome assembly are underway, but are hindered by the inherent characteristics of conifer genomes: high amounts of repetitive sequences (introns and transposable elements) in the genome and large gene family expansions with regards to abiotic stress, secondary metabolism and spruces' defense responses to pathogens and herbivory. This book presents the latest information on the status of genome assemblies, provides detailed insights into transposable elements and methylation patterns, and highlights the extensive genomic resources available for inferring population genomics and climate adaptation, as well as emerging genomics tools for tree improvement programs. In addition, this volume features whole-genome comparisons among conifer species, and demonstrates how functional genomics can be used to improve gene function annotations. The book closes with an outlook on emerging fields of research in spruce genomics.
