

1. Record Nr.	UNINA9910782269903321
Titolo	Rice genetics IV [[electronic resource]] : proceedings of the fourth International Rice Genetics symposium, 22-27 October 2000, Los Banos, Philippines / / edited by G. S. Khush, D. S. Brar, and B. Hardy
Pubbl/distr/stampa	Manila, Philippines, : International Rice Research Institute, 2001
ISBN	1-281-96807-2 981-281-429-9
Descrizione fisica	1 online resource (501 p.)
Altri autori (Persone)	KhushGurdev S BrarD. S HardyBill
Disciplina	633.18233
Soggetti	Rice - Genetics Rice - Genetic engineering Rice - Yields
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents; FOREWORD; ACKNOWLEDGMENTS; OPENING ADDRESS; Overview; Rice genetics from Mendel to functional genomics; Application of Mendelian genetics in rice breeding; The Rockefeller Foundation's International Program on Rice Biotechnology Molecular markers genetic diversity and evolution Evolution and domestication of rice; Rice: a central genome for the genetics of all cereals; Phylogeny of the genus Oryza as revealed by molecular approaches Miniature inverted repeat transposable elements help create genomic diversity in maize and rice Microsatellite markers in rice: abundance diversity and applications; Molecular mapping and marker-assisted selection for major-gene traits in rice QTL mapping in rice: a few critical considerations Genetic and molecular basis of heterosis in rice; Structural and functional genomics; The International Rice Genome Sequencing Project: progress and prospects; Strategies and techniques for finishing genomic sequence Sequence-tagged connector/DNA fingerprint framework for rice

genome sequencing Naturally occurring allelic variations as a new resource for functional genomics in rice; Deletion mutants for functional genomics: progress in phenotyping sequence assignment and database development
Generation of T-DNA insertional tagging lines in rice

Sommario/riassunto

The Rice Genetics Collection of past symposia and other selected literature contains nearly 4,400 pages of searchable information on rice genetics and cytogenetics published by the IRRI and its partners since 1964. In addition to the five genetics symposia held at 5-year intervals since 1985, the collection contains classic publications that kicked off significant reporting on these subjects in the early 1960's. This collection is a comprehensive and historical documentation on the subject of rice genetics, spanning 45 years of research and scholarly work. Published in 2000, Rice Genetics IV contains 31 chapters from various contributors on topics dealing with rice genetic research, including molecular markers, genetic diversity, and evolution; structural and functional genomics; gene isolation and function; and transformation.
