

1. Record Nr.	UNINA9910876594803321
Autore	Cullis Christopher A. <1945->
Titolo	Plant genomics and proteomics [[electronic resource] /] / Christopher A. Cullis
Pubbl/distr/stampa	Hoboken, : J. Wiley & Sons, c2004
ISBN	1-280-34563-2 9786610345632 0-471-48858-5 0-471-48857-7
Descrizione fisica	1 online resource (230 p.)
Disciplina	572.8 572.8/62 572.862
Soggetti	Plant genomes Plant proteomics
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	PLANT GENOMICS AND PROTEOMICS; CONTENTS; ACKNOWLEDGMENTS; INTRODUCTION; 1 THE STRUCTURE OF PLANT GENOMES; 2 THE BASIC TOOLBOX-ACQUIRING FUNCTIONAL GENOMIC DATA; 3 SEQUENCING STRATEGIES; 4 GENE DISCOVERY; 5 CONTROL OF GENE EXPRESSION; 6 FUNCTIONAL GENOMICS; 7 INTERACTIONS WITH THE EXTERNAL ENVIRONMENT; 8 IDENTIFICATION AND MANIPULATION OF COMPLEX TRAITS; 9 BIOINFORMATICS; 10 BIOETHICAL CONCERNS AND THE FUTURE OF PLANT GENOMICS; AFTERWORD; INDEX
Sommario/riassunto	Plant research has stood at the forefront of the genomics revolution. One of the first genome projects, the sequencing of the commonly used model organism Arabidopsis, has already yielded important results for the study of a broad array of crops such as corn and soybeans. With crop and food bioengineering only in its infancy, the need to understand the fundamental genetic mechanisms of plants will only become more pressing. A comprehensive guide to this fascinating area of genomics, Plant Genomics and Proteomics presents an integrated, broadly accessible treatment of the comple

