1. Record Nr. UNINA9910450109703321

Titolo	Computational biology and genome informatics [[electronic resource] /] / editors, Jason T.L. Wang, Cathy H. Wu, Paul P. Wang
Pubbl/distr/stampa	New Jersey, : World Scientific, c2003
ISBN	1-281-34773-6 9786611347734 981-256-449-7
Descrizione fisica	1 online resource (266 p.)
Altri autori (Persone)	WangJason T. L WuCathy H WangPaul P
Disciplina	572.860285
Soggetti	Computational biology Genetics - Mathematical models Genomics Electronic books.
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 and index.
Nota di contenuto	Preface; Contents; Chapter 1 Exploring RNA Intermediate Conformations with the Massively Parallel Genetic Algorithm; Chapter 2 Introduction to Self-Assembling DNA Nanostructures for Computation and Nanofabrication; Chapter 3 Mapping Sequence to Rice FPC; Chapter 4 Graph Theoretic Sequence Clustering Algorithms and Their Applications to Genome Comparison; Chapter 5 The Protein Information Resource for Functional Genomics and Proteomics; Chapter 6 High-Grade Ore for Data Mining in 3D Structures; Chapter 7 Protein Classification: A Geometric Hashing Approach Chapter 8 Interrelated Clustering: An Approach for Gene Expression Data AnalysisChapter 9 Creating Metabolic Network Models using Text Mining and Expert Knowledge; Chapter 10 Phyloinformatics and Tree Networks; Index
Sommario/riassunto	This book contains articles written by experts on a wide range oftopics that are associated with the analysis and management ofbiological information at the molecular level. It contains chapters onRNA and

protein structure analysis, DNA computing, sequence mapping,genome comparison, gene expression data mining, metabolic networkmodeling, and phyloinformatics.