1.	Record Nr.	UNINA9910783223903321
	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
	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.