1. Record Nr.	UNINA9910484023403321
Titolo	Algorithms in bioinformatics : 10th international workshop, WABI 2010, Liverpool, UK, September 6-8, 2010 : proceedings / / Vincent Moulton, Mona Singh (eds.)
Pubbl/distr/stampa	Berlin, : Springer, 2010
ISBN	1-280-38845-5 9786613566379 3-642-15294-5
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (XII, 376 p. 94 illus.)
Collana	Lecture notes in computer science ; ; 6293 Lecture notes in bioinformatics
Classificazione	570
Altri autori (Persone)	MoultonVincent SinghMona
Disciplina	570.285
Soggetti	Bioinformatics Computer algorithms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Biomolecular Structure: RNA, Protein and Molecular Comparison -- A Worst-Case and Practical Speedup for the RNA Co-folding Problem Using the Four-Russians Idea -- Sparse Estimation for Structural Variability -- Data Structures for Accelerating Tanimoto Queries on Real Valued Vectors -- Sparsification of RNA Structure Prediction Including Pseudoknots -- Prediction of RNA Secondary Structure Including Kissing Hairpin Motifs -- Reducing the Worst Case Running Times of a Family of RNA and CFG Problems, Using Valiant's Approach -- Comparative Genomics -- Reconstruction of Ancestral Genome Subject to Whole Genome Duplication, Speciation, Rearrangement and Loss -- Genomic Distance with DCJ and Indels -- Listing All Sorting Reversals in Quadratic Time -- Haplotype and Genotype Analysis -- Discovering Kinship through Small Subsets -- Fixed-Parameter Algorithm for Haplotype Inferences on General Pedigrees with Small Number of Sites -- Haplotypes versus Genotypes on Pedigrees -- Haplotype Inference on Pedigrees with Recombinations and Mutations -- High-throughput Data Analysis: Next Generation Sequencing and