1.	Record Nr.	UNISA996465851303316
	Titolo	Advances in bioinformatics and computational biology : 4th Brazilian Symposium on Bioinformatics, BSB 2009, Porto Alegre, Brazil, July 29-31, 2009, proceedings / / edited by Katia S. Guimaraes, Anna Panchenko, Teresa M. Przytycka
	Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer, , [2009] ©2009
	ISBN	1-282-33176-0 9786612331763 3-642-03223-0
	Edizione	[1st ed. 2009.]
	Descrizione fisica	1 online resource (178 p.)
	Collana	Lecture Notes in Bioinformatics ; ; 5676
	Classificazione	BIO 110f SS 4800
	Disciplina	570.285
	Soggetti	Bioinformatics Computational biology
	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	Algorithmic Approaches for Molecular Biology Problems -- Genotype Tagging with Limited Overfitting -- Constraint Programming Models for Transposition Distance Problem -- Comparison of Spectra in Unsequenced Species -- Micro-array Analysis -- BiHEA: A Hybrid Evolutionary Approach for Microarray Biclustering -- Using Supervised Complexity Measures in the Analysis of Cancer Gene Expression Data Sets -- Quantitative Improvements in cDNA Microarray Spot Segmentation -- Machine Learning Methods for Classification -- SOM-PORTRAIT: Identifying Non-coding RNAs Using Self-Organizing Maps -- Automatic Classification of Enzyme Family in Protein Annotation -- Representations for Evolutionary Algorithms Applied to Protein Structure Prediction Problem Using HP Model -- Comparing Methods for Multilabel Classification of Proteins Using Machine Learning Techniques -- Comparative Study of Classification Algorithms Using Molecular Descriptors in Toxicological DataBases -- In Silico Simulation -- Influence of Antigenic Mutations in Time Evolution of the Immune

	Memory – A Dynamic Modeling -- Short Papers -- FReDD: Supporting Mining Strategies through a Flexible-Receptor Docking Database -- A Wide Antimicrobial Peptides Search Method Using Fuzzy Modeling -- Identification of Proteins from Tuberculin Purified Protein Derivative (PPD) with Potential for TB Diagnosis Using Bioinformatics Analysis -- Mapping HIV-1 Subtype C gp120Epitopes Using a Bioinformatic Approach -- MHC: Peptide Analysis: Implications on the Immunogenicity of Hantaviruses' N protein -- An Ontology to Integrate Transcriptomics and Interatomics Data Involved in Gene Pathways of Genome Stability.
Sommario/riassunto	This book constitutes the refereed proceedings of the 4th Brazilian Symposium on Bioinformatics, BSB 2009, held in Porto Alegre, Brazil, in July 2009 The 12 revised full papers and 6 extended abstracts were carefully reviewed and selected from 55 submissions. The papers are organized in topical sections on algorithmic approaches for molecular biology problems; micro-array analysis; machine learning methods for classification; and in silico simulation.