1.	Record Nr.	UNINA9910767513703321
	Titolo	Advances in Bioinformatics and Computational Biology : Second Brazilian Symposium on Bioinformatics, BSB 2007, Angra dos Reis, Brazil, August 29-31, 2007, Proceedings / / edited by Marie-France Sagot, Maria Emilia M.T. Walter
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
	ISBN	3-540-73731-6
	Edizione	[1st ed. 2007.]
	Descrizione fisica	1 online resource (185 p.)
	Collana	Lecture Notes in Bioinformatics, , 2366-6331 ; ; 4643
	Disciplina	005.74
	Soggetti	Biochemistry Database management Bioinformatics Medical informatics Artificial intelligence Database Management Computational and Systems Biology Health Informatics Artificial Intelligence
	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	Selected Articles -- Automating Molecular Docking with Explicit Receptor Flexibility Using Scientific Workflows -- Gene Set Enrichment Analysis Using Non-parametric Scores -- Comparison of Simple Encoding Schemes in GA's for the Motif Finding Problem: Preliminary Results -- Multi-Objective Clustering Ensemble with Prior Knowledge -- Biological Sequence Comparison Application in Heterogeneous Environments with Dynamic Programming Algorithms -- New EST Trimming Procedure Applied to SUCEST Sequences -- A Method for Inferring Biological Functions Using Homologous Genes Among Three Genomes -- Validating Gene Clusterings by Selecting Informative Gene Ontology Terms with Mutual Information -- An Optimized Distance Function for Comparison of Protein Binding Sites -- Comparing RNA

Structures: Towards an Intermediate Model Between the Edit and the Lapcs Problems -- Evolving Phylogenetic Trees: A Multiobjective Approach -- Comparing Several Approaches for Hierarchical Classification of Proteins with Decision Trees -- High Efficiency on Prediction of Translation Initiation Site (TIS) of RefSeq Sequences -- Extended Abstracts -- Outlining a Strategy for Screening Non-coding RNAs on a Transcriptome Through Support Vector Machines -- Mapping Contigs onto Reference Genomes -- Molecular Dynamics Simulations of Cruzipains 1 and 2 at Different Temperatures -- Genetic Algorithm for Finding Multiple Low Energy Conformations of Poly Alanine Sequences Under an Atomistic Protein Model -- Cellular Fingerprints: A Novel Concept for the Integration of Experimental Data and Compound-Target-Pathway Relations (Extended Abstract) -- Identification of the Putative Class 3 R Genes in Coffea arabica from CafEST Database.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second Brazilian Symposium on Bioinformatics, BSB 2007, held in Angra dos Reis, Brazil, in August 2007, co-located with IWGD 2007, the International Workshop on Genomic Databases. The papers address a broad range of current topics in computational biology and bioinformatics.