

《比较基因组学/Comparative》

图书基本信息

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内容概要

This book constitutes the refereed proceedings of the 4th RECOMB Comparative Genomics Satellite Workshop, RECOMB-CG 2006, held in Montreal, Canada in September 2006. The 17 revised full papers presented were carefully reviewed and selected from 34 initial submissions. The papers address a broad variety of aspects and components of the field of comparative genomics, ranging from new quantitative discoveries about genome structure and process to theorems on the complexity of computational problems inspired by genome comparison.

书籍目录

Reconstructing Domain Compositions of Ancestral Multi-domain Proteins
Domain Architecture in Homolog Identification
Inferring Positional Homologs with Common Intervals of Sequences
On Genome Evolution with Accumulated Change and Innovation
Paths and Cycles in Breakpoint Graphs of Random Multichromosomal Genomes
Common Intervals and Symmetric Difference in a Model-Free Phylogenomics, with an Application to Streptophyte Evolution
How Pseudo-boolean Programming Can Help Genome Rearrangement Distance Computation
Sorting by Translocations Via Reversals Theory
Inferring Gene Orders from Gene Maps Using the Breakpoint Distance
Ordering Partially Assembled Genomes Using Gene Arrangements
Evolution of Tandemly Repeated Sequences Through Duplication and Inversion
A PQ Framework for Reconstructions of Common Ancestors and Phylogeny
Intron Loss Dynamics in Mammals
Finding Maximum Likelihood Indel Scenarios
Conservation Patterns in cis-Elements Reveal Compensatory Mutations
Transcription Factor Centric Discovery of Regulatory Elements in Mammalian Genomes Using Alignment-Independent Conservation Maps
Identifiability Issues in Phylogeny-Based Detection of Horizontal Gene Transfer
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