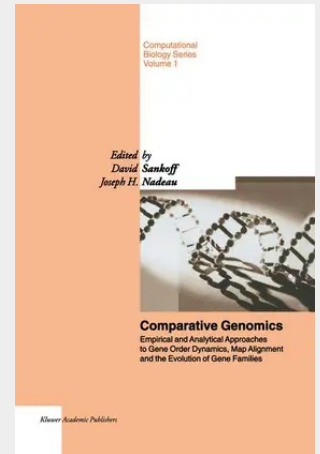


Comparative Genomics

Empirical and Analytical Approaches to Gene Order Dynamics, Map Alignment and the Evolution of Gene Families

A comprehensive account of genomic rearrangement, focusing on the mechanisms of inversion, translocation, gene and genome duplication and gene transfer and on the patterns that result from them in comparative maps. Includes analyses of genomic sequences in organelles, prokaryotes and eukaryotes as well as comparative maps of the nuclear genomes in higher plants and animals. The book showcases a variety of algorithmic and statistical approaches to rearrangement and map data.

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