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Autore	Higgs Paul G
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The revolution in biological information -- Nucleic acids, proteins, and amino acids -- Molecular evolution and population genetics -- Models of sequence evolution -- Information resources for genes and proteins -- Sequence alignment algorithms -- Searching sequence databases -- Phylogenetic methods -- Patterns in protein families -- Probabilistic methods and machine learning -- Further topics in molecular evolution and phylogenetics -- Genome evolution -- DNA microarrays and the 'omes.
Sommario/riassunto	In the current era of complete genome sequencing, Bioinformatics and Molecular Evolution provides an up-to-date and comprehensive introduction to bioinformatics in the context of evolutionary biology. This accessible text: provides a thorough examination of sequence

analysis, biological databases, pattern recognition, and applications to genomics, microarrays, and proteomics emphasizes the theoretical and statistical methods used in bioinformatics programs in a way that is accessible to biological science students