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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Protein-coding genes -- Protein structure -- Mutations -- Evolution of protein-coding genes -- Evolution of orthologous proteins -- Formation of novel protein-coding genes -- Evolution of paralogous proteins -- Protein evolution by assembly from modules -- Genome evolution and protein evolution.
Sommario/riassunto	This book provides an up-to-date summary of the principles of protein evolution and discusses both the methods available to analyze the evolutionary history of proteins as well as those for predicting their structure-function relationships. Includes a significantly expanded chapter on genome evolution to cover genomes of model organisms sequenced since the completion of the first edition, and organelle genome evolution Retains its reader-friendly, accessible style and organization Contains an updated glossary and new references, including a list of online refere