

1. Record Nr.	UNINA9910454603603321
Autore	Patthy Laszlo
Titolo	Protein evolution [[electronic resource] /] / Laszlo Patthy
Pubbl/distr/stampa	Oxford ; ; Malden, Mass., : Blackwell Science, 2008
ISBN	1-282-13916-9 9786612139161 1-4443-0888-2
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (392 p.)
Disciplina	572/.6
Soggetti	Proteins - Evolution Electronic books.
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	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