

1. Record Nr.	UNINA9910777308303321
Titolo	Mathematics of evolution and phylogeny [[electronic resource] /] / edited by Olivier Gascuel
Pubbl/distr/stampa	New York, : Oxford University Press, 2005
ISBN	1-383-02950-4 1-280-84626-7 0-19-151373-3 1-4294-6927-7
Descrizione fisica	1 online resource (443 p.)
Altri autori (Persone)	GascuelOlivier <1956->
Disciplina	578.754/01/51
Soggetti	Evolution (Biology) - Mathematics Phylogeny - Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Contents; List of Contributors; 1 The minimum evolution distance-based approach to phylogenetic inference; 2 Likelihood calculation in molecular phylogenetics; 3 Bayesian inference in molecular phylogenetics; 4 Statistical approach to tests involving phylogenies; 5 Mixture models in phylogenetic inference; 6 Hadamard conjugation: an analytic tool for phylogenetics; 7 Phylogenetic networks; 8 Reconstructing the duplication history of tandemly repeated sequences; 9 Conserved segment statistics and rearrangement inferences in comparative genomics; 10 The inversion distance problem 11 Genome rearrangements with gene families12 Reconstructing phylogenies from gene-content and gene-order data; 13 Distance-based genome rearrangement phylogeny; 14 How much can evolved characters tell us about the tree that generated them?; Index
Sommario/riassunto	"This book considers evolution at different scales. The focus is on the mathematical and computational tools and concepts, which form an essential basis of evolutionary studies, indicate their limitations, and give them orientation"--Provided by publisher.