

THE EVOLUTION OF THE GENOME

Edited by T. Ryan Gregory

The Evolution of the Genome provides a much needed overview of genomic study through clear, detailed, expert-authored discussions of the key areas in genome biology. This includes the evolution of genome size, genomic parasites, gene and ancient genome duplications, polyploidy, comparative genomics, and the implications of these genome-level phenomena for evolutionary theory. In addition to reviewing the current state of knowledge of these fields in an accessible way, the various chapters also provide historical and conceptual background information, highlight the ways in which the critical questions are actually being studied, indicate some important areas for future research and build bridges across traditional, professional, and taxonomic boundaries.

The Evolution of the Genome will serve as a critical resource for graduate students, postdoctoral fellows, and scientists interested in the issue of genome evolution.



"This book is one of the most exciting books on large-scale evolutionary phenomena I have read in the past decade."

— Robert L. Carroll, Redpath Museum, McGill University, Montreal, Canada

"The Evolution of the Genome is an indispensable source on current understanding of genomic evolution." — Niles Eldredge, The American Museum of Natural History, New York, U.S.A.

"This book is very timely in the age of genomic biology. It provides an impressive coverage of information on genome evolution and brings us a step closer to solving the mystery of genome size variation in nature."

— France Dufresne, Université du Québec à Rimouski, Canada



ISBN: 0-12-301463-8

90000

