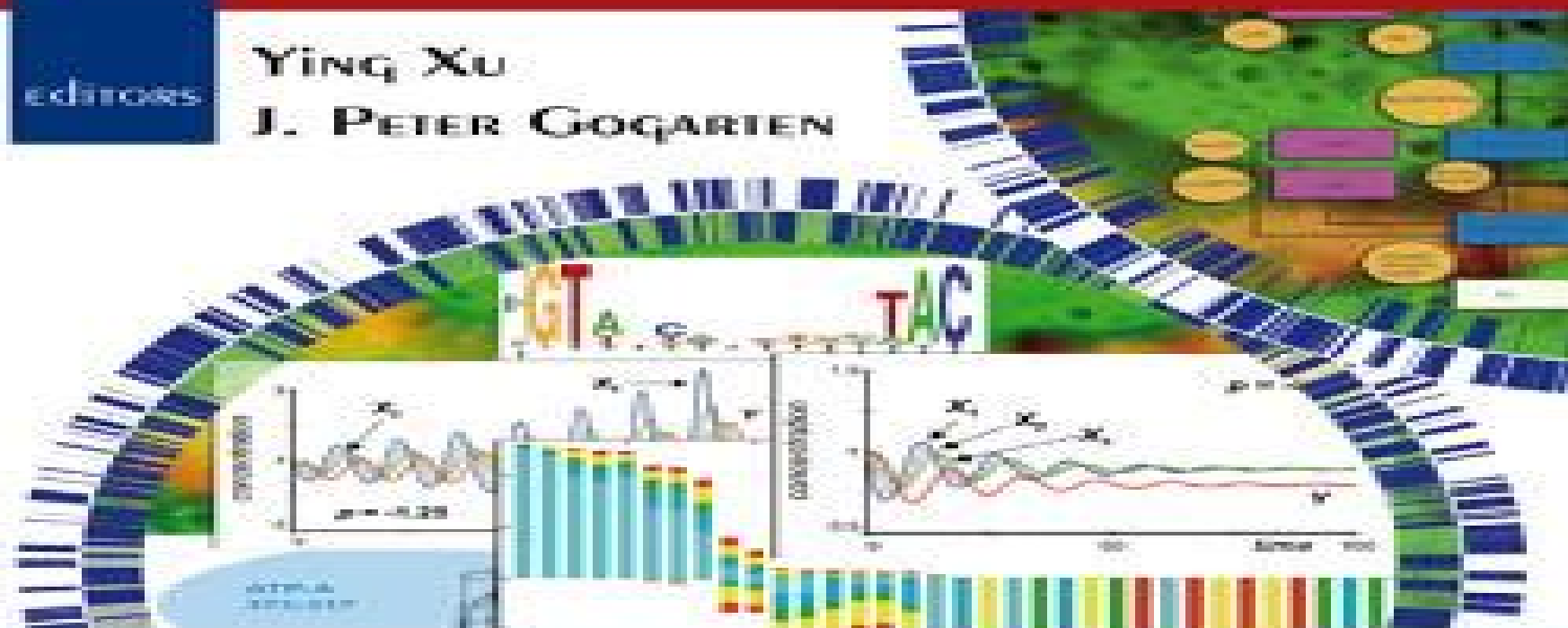


COMPUTATIONAL METHODS FOR UNDERSTANDING BACTERIAL AND ARCHAEAL GENOMES

editors

YING XU

J. PETER GOGARTEN



Imperial College Press

Computational Methods For Understanding Bacterial And Archaeal Genomes Author Ying Xu Dec 2008

Ying Xu, Johann Peter Gogarten



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Computational Methods For Understanding Bacterial And Archaeal Genomes Ying Xu, Johann Peter

Gogarten, 2008-08-06 Over 500 prokaryotic genomes have been sequenced to date and thousands more have been planned for the next few years. While these genomic sequence data provide unprecedented opportunities for biologists to study the world of prokaryotes, they also raise extremely challenging issues such as how to decode the rich information encoded in these genomes. This comprehensive volume includes a collection of cohesively written chapters on prokaryotic genomes, their organization and evolution, the information they encode, and the computational approaches needed to derive such information. A comparative view of bacterial and archaeal genomes and how information is encoded differently in them is also presented. Combining theoretical discussions and computational techniques, the book serves as a valuable introductory textbook for graduate-level microbial genomics and informatics courses.

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In some sort of taken by monitors and the ceaseless chatter of instantaneous connection, the melodic beauty and psychological symphony produced by the prepared term often disappear into the background, eclipsed by the persistent noise and disruptions that permeate our lives. But, nestled within the pages of **Computational Methods For Understanding Bacterial And Archaeal Genomes Author Ying Xu Dec 2008** a wonderful literary prize full of natural feelings, lies an immersive symphony waiting to be embraced. Crafted by a masterful composer of language, that captivating masterpiece conducts readers on a psychological journey, well unraveling the hidden songs and profound impact resonating within each carefully constructed phrase. Within the depths of this poignant evaluation, we shall investigate the book is main harmonies, analyze its enthralling writing model, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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