

First Edition

Michael M. Cox Jennifer A. Doudna Michael O'Donnell



Cox Molecular Biology Principles And Practice

Michael Cox, Jennifer Doudna, Michael O'Donnell

Cox Molecular Biology Principles And Practice:

Molecular Biology Michael Cox, Jennifer Doudna, Michael O'Donnell, 2016-12-21 Written and illustrated with unsurpassed clarity Molecular Biology Principles and Practice introduces fundamental concepts while exposing students to how science is done The authors convey the sense of joy and excitement that comes from scientific discovery highlighting the work of researchers who have shaped and who continue to shape the field today See whats in the LaunchPad Biology: Principles and Practice 2e & Launchpad for Cox's Molecular Biology (6 Month Online) Michael M. Molecular Biology + Launchpad for Cox's Molecular Biology, 6 Cox, Michael O'Donnell, Jennifer Doudna, 2015-12-04 Month Access Michael M. Cox, Michael O'Donnell, 2015-12-04 **Loose-Leaf Version for Molecular Biology: Principles** and Practice 2e & Launchpad for Cox's Molecular Biology (6 Month Online) Michael M. Cox, Jennifer Doudna, Michael Molecular Biology Michael M. Cox, Jennifer A. Doudna, Michael O'Donnell, 2011-11-18 Written and O'Donnell,2015-12-04 illustrated with unsurpassed clarity this title introduces fundamental concepts while exposing students to how science is done The authors convey the sense of joy and excitement that comes from scientific discovery highlighting the work of researchers who have shaped and who continue to shape the field today **Molecular Biology** Michael M. Cox, Michael O'Donnell, Jennifer Doudna, 2015-03-13 Molecular Biology + Bioportal Access Card Michael Cox, Jennifer Doudna, Michael O'Donnell, 2011-10-01 Molecular Biology Ebook Access Card, 12 Month Access + Ebook Access Card for Molecular Cell Biology Michael Cox, Harvey Lodish, Jennifer Doudna, Michael O'Donnell, 2011-12-15 Integrated Molecular Evolution Scott Orland Rogers, 2016-06-08 Evolutionary biology has increasingly relied upon tools developed in molecular biology that allow for the structure and function of macromolecules to be used as data for exploring the patterns and processes of evolutionary change Integrated Molecular Evolution Second Edition is a textbook intended to expansively and comprehensive review evolutionary studies now routinely using molecular data This new edition has been thoroughly updated and expanded and provides a basic summary of evolutionary biology as well as a review of current phylogenetics and phylogenomics Reflecting a burgeoning pedagogical landscape this new edition includes nearly double the number of chapters including a new section on molecular and bioinformatic methods Dedicated chapters were added on Evolution of the genetic code Mendelian genetics and population genetics Natural selection Horizontal gene transfers Animal development and plant development Cancer Extraction of biological molecules Analytical methods Sequencing methods and sequencing analyses Omics Phylogenetics and phylogenetic networks Protein trafficking Human genomics More than 400 illustrations appear in this edition doubling the number included in the first edition and over 100 of these diagrams are now in color The second edition combines and integrates extensive summaries of genetics and evolutionary biology in a manner that is accessible for students at either the graduate or undergraduate level It also provides both the basic foundations of molecular evolution such as the structure and function of DNA RNA and proteins as well as more advanced chapters reviewing

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