



GENETICS

ANALYSIS OF GENES AND GENOMES

SEVENTH EDITION

DANIEL L. HARTL AND ELIZABETH W. JONES

For the Student

Student Solutions Manual and Supplemental Problems

(ISBN: 978-0-7637-6578-1)

Includes complete worked solutions to all problems in the text and approximately 25–30 supplemental problems per chapter with solutions, as well as other study tools.

GeNETics on the Web includes questions, exercises, and informative online resources for each chapter. Please visit <http://biology.jbpub.com/book/genetics>

For the Instructor

Instructor's ToolKit CD-ROM

includes a PowerPoint™ Image Bank, PowerPoint Lecture Outlines, Testbank, and electronic files for the *Student Solutions Manual and Supplemental Problems*, all of which can be formatted for use in most course management systems.

Written by two renowned authorities, *Genetics: Analysis of Genes and Genomes, Seventh Edition* provides the most current, clear, comprehensive, and balanced introduction to genetics and genomics at the college level. Expanding upon the key elements that have made the text a success, the authors have added important new material to virtually every chapter, including sections on high-throughput genotyping, massively parallel sequencing, comparative genomics, genomic islands, copy number polymorphisms, characteristics of quantitative trait loci for disease risk factors, and much more. They continue to treat transmission genetics, molecular genetics, and evolutionary genetics as fully integrated subjects and provide students with an unprecedented understanding of the basic process of gene transmission, mutation, expression, and regulation. Integrated critical thinking exercises and problem sets allow for a mastery of key genetic concepts, while the end-of-chapter *Guide to Problem-Solving* sections demonstrate the concepts needed to efficiently solve problems and understand the reasoning behind the correct answer.

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