iGenetics: A Molecular Approach (3rd Edition)

Peter J. Russell
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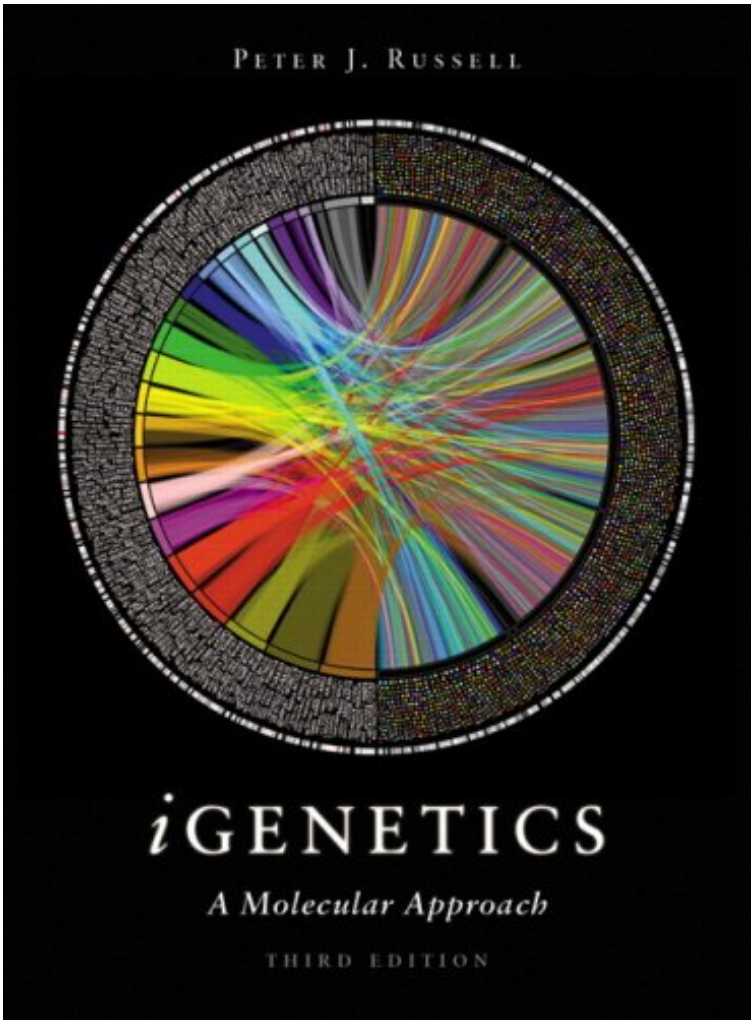

#79509 in Books 2009-02-12Original language:EnglishPDF # 1 10.90 x 1.60 x 8.80l, 4.25 #File Name: 0321569768848 pages20% increase in total Questions and Problems at the end of each chapterGenomics and recombinant DNA chapters are completely reorganized and updated | File size: 79.Mb

Peter J. Russell : iGenetics: A Molecular Approach (3rd Edition) before purchasing it in order to gage whether or not it would be worth my time, and all praised iGenetics: A Molecular Approach (3rd Edition):

1 of 1 people found the following review helpful. They're great at funneling your understanding so definitely pay attention to ...By JennyThe illustrations are absolute gold in this book. They're great at funneling your understanding so definitely pay attention to the graphics. The literature itself is alright. It's very thorough, but do be lighthanded with highlighting. The feel of the book itself is actually quite nice. It isn't super heavy so you can carry it around with you between classes. The demos included on the CD are also amazing at explaining concepts.0 of 0 people found the following review helpful. This is a good textbook. Easy to understand though a bit wordyBy SarahThis is a good textbook. Easy to understand though a bit wordy. I would definitely recommend checking the condition of your book

when it arrives, especially if you bought it used. My book seemed fine, but a few weeks after I bought it the cover feel off. It turns out the person who previously owned it had completely ripped the cover off then simply taped it back in place. So be cautious with buying used copies. Their quality may be lied about.0 of 0 people found the following review helpful. Great Introduction!By CustomerThis textbook offers a great introduction to genetics. It includes helpful diagrams and generally explains concepts well. My only complaint is that some of the end-of-chapter questions are very poorly written.

With its modern chapter organization and new Focus on Genomics boxes, iGenetics : A Molecular Approach reflects the increasing molecular emphasis in todays experimental study of genes while helping students develop problem-solving skills and an appreciation for classic experiments. Although molecular topics are presented first, instructors can assign the chapters in any sequence. Pedagogical features such as chapter-opening Key Questions and strategically placed Keynotes help students to efficiently master genetic concepts. The Genetics Place Companion Website contains interactive iActivities and narrated animations that help students visualize and understand processes and concepts that are illustrated in the text.

From the Back CoverWith its modern chapter organization and new Focus on Genomics boxes,iGenetics: A Molecular Approachreflects the increasing molecular emphasis in today's experimental study of genes while helpingreaders develop problem-solving skills and an appreciation for classic experiments. Although molecular topics are presented first, instructors can assign the chapters in any sequence. Pedagogical features such as chapter-opening Key Questions and strategically placed Keynotes helpreaders to efficiently master genetic concepts. The Genetics Place Companion Website contains interactive iActivities and narrated animations that helpreaders visualize and understand processes and concepts that are illustrated in the book.Genetics: An Introduction, DNA: The Genetic Material, DNA Replication, Gene Control of Proteins, Gene Expression: Transcription,Gene Expression: Translation, DNA Mutation, DNA Repair, and Transposable Elements, Structural Genomics, Functional and Comparative Genomics, Recombinant DNA Technology, Mendelian Genetics, Chromosomal Basis of Inheritance, Extensions of and Deviations from Mendelian Genetic Principles, Genetic Mapping in Eukaryotes, Genetics of Bacteria and Bacteriophages, Variations in Chromosome Structure and Number, Regulation of Gene Expression in Bacteria and Bacteriophages, Regulation of Gene Expression in Eukaryotes, Genetic Analysis of Development, Genetics of Cancer, Quantitative Genetics, Population Genetics, Molecular EvolutionIntended for those interested in learning the basics of geneticsAbout the Author Peter J. Russell received his B.Sc. in Biology from the University of Sussex, U.K., in 1968 and his Ph.D. in Genetics from Cornell University in 1972. He then joined the Biology faculty of Reed College in 1972 where he is currently Professor of Biology. Russell teaches an upper-division genetics and molecular biology lecture/laboratory course, the genetics section of the introductory biology course, an advanced seminar course in molecular virology, and advises senior thesis research students. He is also the author of a number of successful biology and genetics textbooks, including iGenetics: A Molecular Approach. He is currently studying the molecular genetics of gene expression of a plant pathogenic RNA virus, using the budding yeast, Saccharomyces cerevisiae, as the model host. The research goals are to define the genes of the host that encode products required for the expression of a specific gene involved in aphid transmission of the virus. His earlier research involved studies of ribosome biosynthesis and the organization of and regulation of the number of ribosomal RNA genes in Neurospora.