Essential iGenetics

Peter J. Russell
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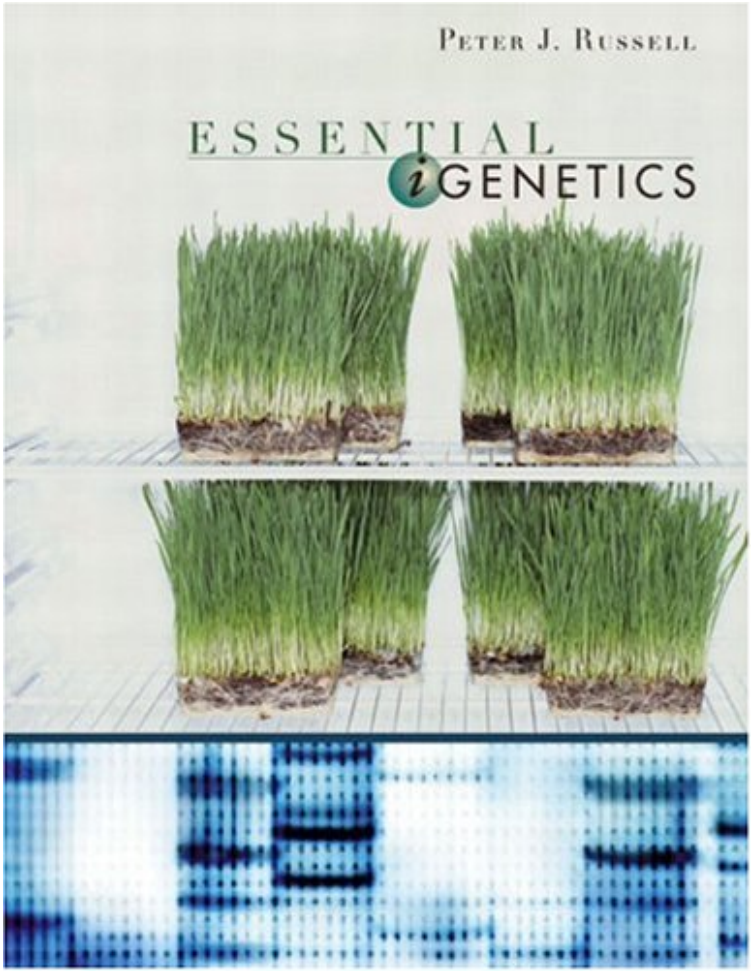

#1403887 in Books Benjamin Cummings 2002-11-16Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 10.86 x .89 x 8.73l, 2.80 #File Name: 080534697X600 pages | File size: 18.Mb

Peter J. Russell : Essential iGenetics before purchasing it in order to gage whether or not it would be worth my time, and all praised Essential iGenetics:

Building on the proven strength of Russell's step-by-step problem-solving approach, Essential iGenetics blends a classic, Mendel-first approach with modern molecular coverage. This easy-to-read introduction to genetics presents full coverage of the subject in a brief and manageable format. Readers develop and apply critical thinking skills as they work step-by-step through a number of solved genetics problems. Readers can also apply the principles and techniques learned to a variety of problems at the end of each chapter. The book covers basic genetics principles, with balanced coverage of Mendel, historical experiments, and cutting-edge chapters on Genome Analysis and Molecular Evolution.

From the Back CoverBuilding on the proven strength of Russell's step-by-step problem-solving approach, Essential iGenetics blends a classic, Mendel-first approach with modern molecular coverage. This easy-to-read introduction to genetics presents full coverage of the subject in a brief and manageable format. Readers develop and apply critical thinking skills as they work step-by-step through a number of solved genetics problems. Readers can also apply the principles and techniques learned to a variety of problems at the end of each chapter. The book covers basic genetics principles, with balanced coverage of Mendel, historical experiments, and cutting-edge chapters on Genome Analysis and Molecular Evolution. For anyone interested in genetics.About the Author Peter J. Russell received his B.S. in Biology from University of Sussex 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 yeast virology, and advises senior thesis research students. He is also the author of a number of successful genetics textbooks. He is currently studying the molecular genetics of the replication of double-stranded (ds) RNA viruses found in budding yeast, Saccharomyces cerevisiae. The research goals are to define in vivo the cis-acting sequences that are required for viral RNA packaging into capsids and for genome replication, and to identify and characterize any yeast gene products required for virus propagation. His earlier research involved Neurospora RNA synthesis and the organization of and regulation of the number of ribosomal RNA genes, and nitrogen metabolism in the pathogenic dimorphic yeast Candida albicans.