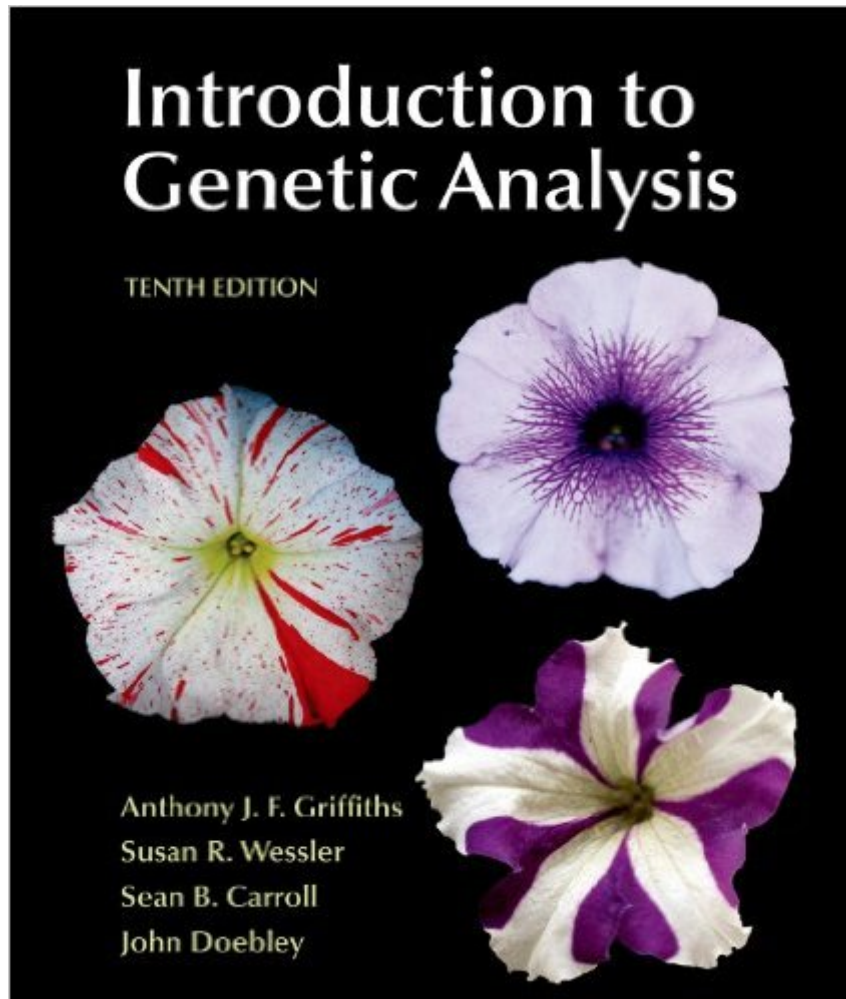


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Introduction To Genetic Analysis, 10th Edition



Synopsis

Since its inception, Introduction to Genetic Analysis has been known for its prominent authorship—leading scientists in their field who are great educators. This market best-seller exposes students to the landmark experiments in genetics, teaching students how to analyze experimental data and how to draw their own conclusions based on scientific thinking while teaching students how to think like geneticists. ¹

Book Information

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Customer Reviews

I would give this book a 2.5 if I could, as it is perfectly mediocre. Explanations are mostly adequate for a somewhat in-depth understanding in most topics. The first several chapters dealing with the basics (Mendelian topics, mapping, linkage, DNA replication, translation and transcription, some proteomics topics, gene regulation) are for the most part well done. This is essentially chapters 1-9, 13. The figures are very helpful and the text is written clearly (in general). There are, however, a few instances where the authors have omitted crucial information (presumably for the sake of simplification) irresponsibly. This becomes a glaring problem later in the book. When it came to more modern genetic techniques and topics (genetic engineering, genomics, DNA repair), there were several instances when my professor had to tell us that the book was too simplified or misleading and to simply ignore it for our particular topic. The chapter on DNA repair was particularly troublesome. For example, there is one mechanism that, while described in detail, is completely incorrect. For the most part, however, the book simply leaves out many details or, in the case of DNA technology, describes genetic techniques that have not been used since the 80's. The

sections dealing with making libraries, for example, include descriptions of phage and fosmid libraries. NOBODY uses these anymore. The descriptions of BACs, YACs, and other vectors that are actually used are on the simple side. Those older techniques aren't any simpler than modern techniques either, so why they are discussed is a mystery to me. It is at this point in the text (modern genetics) that the quality of the figures takes a dive.

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