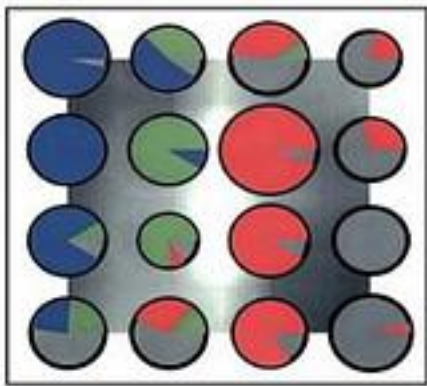


Functional Genomics

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This volume provides an overview of the current state of plant genomics using a number of different approaches at a time when we celebrate the completion of the Arabidopsis genome sequence and begin the transition from structural to functional studies of this and other plant genomes. Topics covered include comparative genomics, computational approaches to gene identification and annotation and data management, high throughput methodologies for functional analysis at the levels of transcript, protein and metabolite, and methods for genome modification by both homologous and site-specific recombination. The book will provide a good introduction to some of the many aspects of genomics both for established plant biologists who wish to understand this rapidly developing area and for scientists early in their careers. It is also very suitable for a one-semester course in Plant Genomics at the upper-level undergraduate/graduate student level, where the individual chapters provide a framework that can be readily expanded by use of some of the many articles in the bibliographies.

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