Plant Cytogenetics: Genome Structure and Chromosome Function (Plant Genetics and Genomics: Crops and Models)

From Hank W Bass
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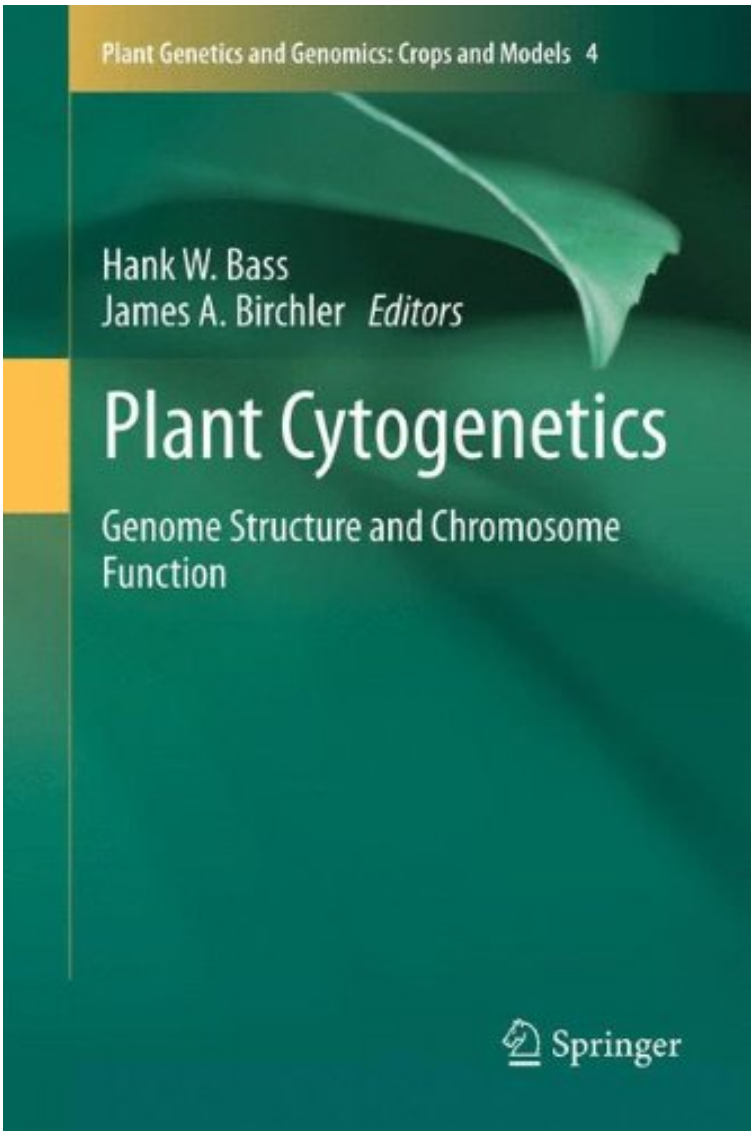

#6292855 in Books Hank W Bass 2011-12-02Original language:EnglishPDF # 1 9.20 x .90 x 6.10l, 1.35 #File Name: 0387708685350 pagesPlant Cytogenetics Genome Structure and Chromosome Function | File size: 76.Mb

From Hank W Bass : Plant Cytogenetics: Genome Structure and Chromosome Function (Plant Genetics and Genomics: Crops and Models) before purchasing it in order to gage whether or not it would be worth my time, and all praised Plant Cytogenetics: Genome Structure and Chromosome Function (Plant Genetics and Genomics: Crops

and Models):

This reference book provides information on plant cytogenetics for students, instructors, and researchers. Topics covered by international experts include classical cytogenetics of plant genomes; plant chromosome structure; functional, molecular cytology; and genome dynamics. In addition, chapters are included on several methods in plant cytogenetics, informatics, and even laboratory exercises for aspiring or practiced instructors. The book provides a unique combination of historical and modern subject matter, revealing the central role of plant cytogenetics in plant genetics and genomics as currently practiced. This breadth of coverage, together with the inclusion of methods and instruction, is intended to convey a deep and useful appreciation for plant cytogenetics. We hope it will inform and inspire students, researchers, and teachers to continue to employ plant cytogenetics to address fundamental questions about the cytology of plant chromosomes and genomes for years to come.Hank W. Bass is a Professor in the Department of Biological Science at Florida State University.James A. Birchler is a Professor in the Division of Biological Sciences at the University of Missouri.

From the reviews:Plant Cytogenetics: Genome Structure and Chromosome Function offers comprehensive reference pertaining to plant cytogenetics . This reference text is designed for use by the student, instructor, and researcher of cytogenetics, and thus includes both basic and detailed discussion of fundamental and applied cytogenetic topics. this book outlines many topics of interest to the cytogeneticist with specific examples and information tailored to those working with plants. There are numerous full-color figures throughout to illustrate complex concepts when warranted . (Daniel Scholes, Cytometry Part A, 2012)The book edited by Hank and Birchler provides a summary of state-of-the-art cytogenetic methods and techniques and reviews various topics of chromosome biology. this book brings together an excellent and current update of a range of topics dealing with plant chromosomes and chromatin. It can be recommended to researchers, teachers and students in genetics and plant biology. The large reference section of each chapter is a useful resource to select primary literature for further reading. (Thomas Schmidt, Journal of Plant Physiology, Vol. 169 (13), 2012)From the Back CoverThis reference book provides information on plant cytogenetics for students, instructors, and researchers. Topics covered by international experts include classical cytogenetics of plant genomes; plant chromosome structure; functional, molecular cytology; and genome dynamics. In addition, chapters are included on several methods in plant cytogenetics, informatics, and even laboratory exercises for aspiring or practiced instructors. The book provides a unique combination of historical and modern subject matter, revealing the central role of plant cytogenetics in plant genetics and genomics as currently practiced. This breadth of coverage, together with the inclusion of methods and instruction, is intended to convey a deep and useful appreciation for plant cytogenetics. We hope it will inform and inspire students, researchers, and teachers to continue to employ plant cytogenetics to address fundamental questions about the cytology of plant chromosomes and genomes for years to come.Hank W. Bass is a Professor in the Department of Biological Science at Florida State University.James A. Birchler is a Professor in the Division of Biological Sciences at the University of Missouri.