

<<植物病害分子流行病学导论>>

图书基本信息

书名：<<植物病害分子流行病学导论>>

13位ISBN编号：9787811171686

10位ISBN编号：7811171686

出版时间：2007-9

出版时间：中国农业大学出版社

作者：骆勇，马忠华，马占鸿 著

页数：208

字数：340000

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<植物病害分子流行病学导论>>

内容概要

《植物病害分子流行病学导论（英文版）》主要内容包括：Protein—based marker：Allozymes、DNA band—based markers、DNA sequence、References and suggested readings、CHAPTER 3 PCR—BASED TECHNIQUES、Classical PCR、Allele—specific PCR、Nested PCR、Multiplex PCR等等。

<<植物病害分子流行病学导论>>

书籍目录

PART I INTRODUCTION CHAPTER 1 INTRODUCTION TO MOLECULAR EPIDEMIOLOGY 1—1
 Basic concept of molecular epidemiology 1—2 Why molecular epidemiology 1—3 Comparisons
 between classical and molecular methods in epidemiology 1—4 Working approaches of molecular
 epidemiology 1—5 About the book References and suggested readingsPART MOLECULAR
 TECHNIQUES USED IN EPIDEMIOLOGY CHAPTER 2 MOLECULAR MARKERS 2—1 Protein
 —based marker : Allozymes 2—2 DNA band—based markers 2—3 DNA sequence References
 and suggested readings CHAPTER 3 PCR—BASED TECHNIQUES 3—1 Classical PCR 3—2 Allele
 —specific PCR 3—3 Nested PCR 3—4 Multiplex PCR References and suggested readings
 CHAPTER 4 QUANTITATIVE REAL—TIME PCR 4—1 Introduction 4—2 Basic real—time PCR
 methods 4—3 Primer and probe design for real—time PCR 4—4 Result analysis 4—5 Applications
 of real—time PCR References and suggested readings CHAPTER 5 PRIMER DESIGN 5—1 Some basic
 concepts for primer design 5—2 Computer programs used for primer design 5—3 An example of primer
 design using a computer program 5—4 Degenerated PCR primersPART MOLECULAR
 EPIDEMIOLOGY OF PLANT DISEASES CHAPTER 6 PATHOGEN IDENTIFICATION AND DISEASE
 DIAGNOSIS 6—1 Introduction 6—2 Use of species—specific genes or DNA regions for developing
 PCR primers 6—3 Use of anonymous unique DNA regions for developing PCR primers 6—4 PCR
 inhibitors Summary References and suggested readings CHAPTER 7 FUNGAL PATHOGEN
 REPRODUCTIVE MODES 7—1 Frequencies of genotypes 7—2 Deviation from Hardy—Weinberg
 expectations 7—3 Parsimony Tree Length Permutation(PTLPT) 7—4 Index of association(IA)
 References and suggested readings CHAPTER 8 DETERMINATION AND QUANTIFICATION OF
 INITIAL INOCULUM OF EPIDEMICS 8—1 Introduction 8—2 Molecular methods for quantification
 of initial inoculum 8—3 Examples of quantification of initial inoculum using molecular methods
 Remarkable conclusion References and suggested readings CHAPTER 9 TEMPORAL AND SPATIAL
 DEVELOPMENT OF PATHOGEN POPULATIONS 9—1 Introduction 9—2 Molecular approaches
 9—3 Monitoring pathogen population structures 9—4 Studying spatial—temporal dynamics of pathogen
 populations 9—5 Providing information needed for disease management Summary References and
 suggested readings CHAPTER 10 PATHOGEN LONG—DISTANCE DISPERSAL AND MIGRATION
 10—1 Introduction 10—2 Pathogen long—distance dispersal and disease epidemics 10—3
 Traditional methods to determine or infer pathogen long—distance dispersal 10—4 Molecular methods to
 study pathogen long—distance dispersal 10—5 Examples SummaryPART IV
 METHODOLOGY OF DATA ANALYSISINDEX

<<植物病害分子流行病学导论>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>