1. Record Nr. UNISA996385646103316

Autore	Wither George <1588-1667.>
Titolo	Meditations upon the Lords prayer [[electronic resource]] : with a preparatory preamble to the right understanding, and true use of this pattern : contemplated by the author during the time wherein his house was visited by the pestilence 1665 and is dedicated to them, by whose charity God preserved him and his family, from perishing in their late troubles / / ... by ... Geo. Withers
Pubbl/distr/stampa	London, : [s.n.], 1665
Descrizione fisica	[26], 190 p
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in Huntington Library. In verse.
Sommario/riassunto	eebo-0113

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Titolo	Mutation detection : a practical approach / / edited by R.G.H. Cotton, E. Edkins and S. Forrest
Pubbl/distr/stampa	Oxford : , : IRL Press at Oxford University Press, , 2023
ISBN	1-383-04935-1 0-19-156569-5 1-280-37548-5 9786610375486 0-585-48413-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (263 p.)
Collana	Practical approach series Oxford scholarship online Practical approach series ; ; 188
Disciplina	576.5/49
Soggetti	Mutation (Biology) Molecular genetics Chromosome abnormalities
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Previously issued in print: 1998.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; Contents; List of Contributors; Abbreviations; Introduction; References; 1. Single-strand conformation polymorphism analysis; 1. Introduction; 2. PCR-SSCP using polyacrylamide slab gel; PCR Optimization and primer design; Pre-amplification and isolation by agarose gel electrophoresis; PCR using [[Sup(32)]P]deoxynucleotide triphosphate; Removal of 3' appendage; SSCP gel electrophoresis; Interpretation of autoradiogram; Re-amplification and direct sequencing; Gel matrices other than polyacrylamide; Restriction endonuclease fingerprinting and dideoxy fingerprinting 3. Fluorescent SSCP in an automated DNA sequencerPrimer design in post-PCR fluorescent labelling; Fluorescent labelling by 3' exchange reaction; SSCP in capillary electrophoresis (CE-SSCP); Data processing; Acknowledgements; References; 2. Single-stranded conformation polymorphism and heteroduplex analysis; 1. Introduction; 2. Optimization of the PCR reaction; 3. SSCP sample prepration; 4.

Optimization of SSCP/HA detection; 5. Multiplexing; 6. Interpretation of results; 7. Applications; 8. Other methods; References
3. Comprehensive mutation detection with denaturing gradient gel electrophoresis1. Introduction; The scope of DGGE, its distinctive capabilities, and the nature of results; 2. Background; 3. Basic principle, the physical properties of DNA; 4. Overview of the procedures in searching for mutants; Defining segments for scrutiny; Sample preparation; Gradient and velocity separations; Features of the gel patterns; Discrimination of zygozygosity; Comments; 5. Use of the psoralen cross-link as a clamp; The psoralen protocol; 6. Computational tools; What is a meltmap?; Meltmap protocol
Predicting electrophoretic separationsComputer operations for MUTRAV; 7. Other members of the DGGE family; Gel separations in a uniform, partially denaturing environment; Capillary electrophoresis; The thermal gradient; The temperature ramp; 2D length and gradient separations; 8. End notes; Acknowledgments; References; 4. Cleavage using RNase to detect mutations; 1. Introduction; 2. RNase protection assay for mutation detection; Evaluation of the sensitivity; Source material; PCR for RNase protection assay; RNA probe preparation; RNase protection; Detection of digested probe
Mutation detection by sequencing of the PCR productsOther modified methodologies for mutation detection; Acknowledgements; References; 5. Cleavage of mismatched bases using chemical reagents; 1. Introduction; 2. Basic procedures; Comments on the basic procedures; 3. Ultra fast chemical mismatch detection; Labelling; Solid phase; Comments; References; 6. Mutation detection using T4 endonuclease VII; 1. Introduction; 2. The biology of Endo VII; The role of Endo VII in vivo; Characterization of Endo VII; Action of Endo VII on heteroduplex DNA; 3. Use of Endo VII for mutation detection
Enzyme mismatch cleavage

Sommario/riassunto

This volume offers the latest tried and tested protocols for a range of detection methods, from the labs of the leading researchers in the field.