



## Fingerprinting methods based on arbitrarily primed PCR /

Micheli, Maria R. (1954-)

Bova, Rodolfo (1956-)

Springer,

©1997

Laboratory Manual

Electronic books

Laboratory manuals.

Monografía

DNA and RNA fingerprinting based on arbitrarily primed PCR provides the most powerful tool for the study of genes. The basic techniques are described in detailed protocols including each step from template preparation to fingerprint visualization. Various protocols for the basic techniques allow to choose between alternative strategies. In addition to the general techniques specific research applications of particular interest are given such as gene mapping, detection of somatic mutations, gene abnormally expressed in tumors or differentially expressed genes by RNA fingerprinting

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjlxNjkzNzE>

**Título:** Fingerprinting methods based on arbitrarily primed PCR Maria R. Micheli, Rodolfo Bova (eds.).

**Editorial:** Berlin New York Springer ©1997

**Descripción física:** 1 online resource (xv, 441 pages) illustrations

**Mención de serie:** Springer lab manual

**Bibliografía:** Includes bibliographical references and index

**Contenido:** Overview -- I DNA Extraction from Mammals -- II Insect DNA Extraction Protocol -- III Rapid DNA Extraction from Plants -- IV Preparation of Fungal Genomic DNA for PCR and RAPD Analysis -- V Extraction of *Histoplasma capsulatum* DNA for PCR -- VI DNA Extraction from Bacterial Cultures -- VII Arbitrarily Primed PCR and RAPDs -- VIII Random Amplified Polymorphic DNA Assay -- IX DNA Amplification Fingerprinting -- X Fluorescent Detection and Analysis of RAPD Amplicons Using the ABI PRISM DNA Sequencers -- XI Optimization of RAPD Fingerprinting -- XII Fingerprint Tailoring -- XIII Resolving DNA Amplification Products Using Polyacrylamide Gel Electrophoresis and Silver Staining -- XIV Denaturing Gradient Gel Electrophoresis for Enhanced Detection of DNA Polymorphisms -- XV Modified Temperature Sweep Gel Electrophoresis for the Separation of Arbitrarily Amplified DNA Fragments -- XVI High Throughput Scoring of RAPD Fragments Through the Use of Dot-Blot Hybridization -- XVII Recovering Amplified DNA from Silver Stained Gels -- XVIII Cloning of RAPD Markers -- XIX Sequencing of RAPD Markers -- XX Analysis of Tumor-Specific Genetic

Alterations by Arbitrarily Primed PCR -- XXI Construction of Linkage Maps with RAPD Markers -- XXII Pseudo-Testcross Mapping Strategy Using RAPD Markers -- XXIII Estimating Nucleotide Divergence with RAPD Data -- XXIV RAPD and PAUP Analysis for Microbial Screening Programs -- XXV Production of Specific Probes for Microorganisms -- Overview -- XXVI Differential Display of Expressed mRNAs -- XXVII RNA Arbitrarily Primed PCR -- XXVIII Nonradioactive Differential Display of Messenger RNA -- XXIX Fluorescent Differential Display: A Fast and Safe Way for Reliable Differential Display Analysis -- XXX Slot Blot Hybridization Screening -- XXXI How To Find and Clone the Appropriate cDNA Fragments Generated in Differential mRNA Display by Using Northern Blot for cDNA Capture -- XXXII Verification of Differential Display Results by RNase Protection -- XXXIII Direct Automated Sequencing of DDRT-PCR Fragments -- XXXIV Ligation Linked PCR and Direct Sequencing of Differential Display Products -- XXXV Differential Display PCR Fragments as Probes for cDNA Cloning -- XXXVI Targeted RNA Fingerprinting -- XXXVII Generation of Tumor-Specific DEST Catalogue -- XXXVIII Analysis of Gene Expression in the Preimplantation Mouse Embryo Using mRNA Differential Display -- XXXIX Rapid Identification of Differentially Expressed Genes in Trypanosomes

**Restricciones de acceso:** Use copy. Restrictions unspecified star. MiAaHDL

**Detalles del sistema:** Master and use copy. Digital master created according to Benchmark for Faithful Digital Reproductions of Monographs and Serials, Version 1. Digital Library Federation, December 2002. <http://purl.oclc.org/DLF/benchrepro0212> MiAaHDL

**Nota de acción:** digitized 2010 HathiTrust Digital Library committed to preserve pda MiAaHDL

**Copyright/Depósito Legal:** 645922465 1001502023

**ISBN:** 9783642604416 electronic bk.) 3642604412 electronic bk.) 3642478123 print) 9783642478123 print) 9783642478123 3540612297 Berlin ; alk. paper) 9783540612292 Berlin ; alk. paper)

**Materia:** Polymerase chain reaction- Laboratory manuals DNA fingerprinting- Laboratory manuals Polymerase Chain Reaction DNA Fingerprinting- methods DNA fingerprinting. Polymerase chain reaction. DNA-vingerafdrukken. Polymerase kettingreactie. RNA-polymerasen. Labormedizin. Fingerprint-Verfahren. Polymerase-Kettenreaktion. Biology. Health & Biological Sciences. Cytology.

**Autores:** Micheli, Maria R. ( 1954-) Bova, Rodolfo ( 1956-)

**Enlace a formato físico adicional:** Print version Fingerprinting methods based on arbitrarily primed PCR. Berlin ; New York : Springer, ©1997 (DLC) 96030117 (OCoLC)35235522

**Punto acceso adicional serie-Título:** Springer lab manual

---

## Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- [informa@baratz.es](mailto:informa@baratz.es)