

Methods for Plant Molecular Biology

Edited by

***Arthur Weissbach
Herbert Weissbach***

Selected
METHODS IN ENZYMOLOGY

Methods for Plant Molecular Biology

EDITED BY

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Preface

This collection of core articles from Volume 118 of *Methods in Enzymology* includes current techniques used in plant molecular biology and genetics. The emphasis is on the isolation and characterization of nuclear, chloroplast, and mitochondrial nucleic acids and the factors and systems involved in transcription and gene expression. The molecular genetic and biological tools for analysis of the chloroplast, mitochondrial, and nuclear genomes in plants are an important part of this collection. Procedures for the isolation of cell walls, chloroplast membranes, and membrane proteins are also included. Current techniques to carry out plant cell culture and protoplast formation are described as are methods for gene and organelle transfer. The detection of DNA and RNA viruses by molecular probes or ELISA assays and the cloning and transcription of viral RNA complete the volume.

Where a cross reference is given to a volume and paper in this series, it refers to the *Methods in Enzymology* series. Where only volumes and paper numbers are referred to, the volumes too are those in the *Methods in Enzymology* series.

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ARTHUR WEISSBACH
HERBERT WEISSBACH

Contents of Methods in Enzymology

Volume 118

Section I. Cell Wall and Membrane

1. Isolation and Characterization of Plant Cells Walls and Cell Wall Components
WILLIAM S. YORK,
ALAN G. DARVILL,
MICHAEL McNEIL,
THOMAS T. STEVENSON, AND
PETER ALBERSHEIM
2. Isolation of the Plasma Membrane
THOMAS K. HODGES AND
DAVID MILLS

Section II. Nucleus

3. Purification and Restriction Endonuclease Analysis of Plant Nuclear DNA
JOHN C. WATSON AND
WILLIAM F. THOMPSON
4. Analyzing Genome Variation in Plants
CAROL RIVIN
5. Synchronization of Plant Cells in Culture and in Meristems by Aphidicolin
FRANCESCO SALA,
MARIA GRAZIA GALLI,
GUIDO PEDRALI-NOY, AND
SILVIO SPADARI
6. Isolation and Characterization of DNA Polymerase α from Spinach
CHERYL WARD AND
ARTHUR WEISSBACH

Section III. Cytoplasmic Protein Synthesis

7. Purification and Properties of Protein Synthesis Initiation and Elongation Factors from Wheat Germ
SANDRA R. LAX,
STEPHEN J. LAUER,
KAREN S. BROWNING, AND
JOANNE M. RAVEL
8. The Wheat Germ Protein Synthesis System
S. N. SEAL, A. SCHMIDT,
AND A. MARCUS
9. Purification and Characterization of Polypeptide Chain Elongation Factor 1 from Plants
SHIN-ICHIRO EJIRI
10. The Synthesis of High-Molecular-Weight Proteins in the Wheat Germ Translation System
M. D. MORCH,
G. DRUGEON,
W. ZAGORSKI, AND
A. L. HAENNI

Section IV. The Chloroplast

A. Genome Structure

11. Isolation and Structural Analysis of Chloroplast DNA JEFFREY D. PALMER
12. Purification and Properties of Chloroplast DNA Polymerase KRISHNA K. TEWARI

B. Transcription-Translation

13. Improved Preparative Methods for Isolation and Purification of Tobacco Chloroplast Ribosomes, Ribosomal Proteins, and rRNA N. GAIL HEWLETT AND DON P. BOURQUE
14. Isolation and Characterization of Chloroplast and Cytoplasmic Transfer RNAs ANDRÉ STEINMETZ AND JACQUES-HENRY WEIL
15. *In Vitro* Transcription of Chloroplast Protein Genes EMIL M. OROZCO, JR., JOHN E. MULLET, LINDA HANLEY-BOWDOIN, AND NAM-HAI CHUA
16. Chloroplast Gene Expression and Promoter Identification in Chloroplast Extracts WILHELM GRUISSEM, BRUCE M. GREENBERG, GERARD ZURAWSKI, AND RICHARD B. HALICK
17. Coupled Transcription-Translation in Chloroplast Lysates J. D. J. BARD, D. P. BOURQUE, AND D. ZAITLIN
18. Translation by Isolated Pea Chloroplasts HELEN T. NIVISON, LEONARD E. FISH, AND ANDRÉ T. JAGENDORF
19. Purification of Chloroplast Elongation Factors ORSOLA TIBONI AND ORIO CIFFERI
20. Use of an *in Vitro* Dipeptide System to Determine the Translation Initiation Sites of Chloroplast Genes MARK BLOOM, NATHAN BROTH, BENNETT N. COHEN, AND HERBERT WEISSBACH

C. Photosynthetic Systems

21. Isolation and Characterization of Chloroplast Envelope Membranes KENNETH KEEGSTRA AND ABDULLAH E. YOUSIF
22. Characterization of the Thylakoid Membrane by Subfractionation Analyses BERTIL ANDERSSON
23. Isolation of Chlorophyll-Binding Proteins of Green Plants RICHARD S. WILLIAMS, ELIZABETH K. SHAW, LESLIE E. SIEBURTH, AND JOHN BENNETT

- | | | |
|-----|--|---|
| 24. | Subunit Structure and Biogenesis of ATP Synthase and Photosystem I Reaction Center | NATHAN NELSON |
| 25. | Identification of cDNA Clones Representing Phytochrome and Other Low Abundance Red-Light Regulated Sequences | HOWARD P. HERSHEY AND
PETER H. QUAIL |
| 26. | Identification and Characterization of the <i>psbA</i> Gene Product: The 32-kDa Chloroplast Membrane Protein | JONATHAN B. MARDER,
AUTAR K. MATTOO, AND
MARVIN EDELMAN |

D. RuBP Carboxylase

- | | | |
|-----|---|---|
| 27. | Cloning and Expression of Genes for the Small Subunit of Ribulosebiphosphate Carboxylase | C. F. WIMPEE AND
E. M. TOBIN |
| 28. | Separation and Reassembly of the Subunits of Ribulosebiphosphate Carboxylase | R. JOHN ANDREWS |
| 29. | The Cloning and Expression in <i>Escherichia coli</i> of RuBP Carboxylase/Oxygenase Large Subunit Genes | C. R. SOMERVILLE,
L. MCINTOSH,
J. FITCHEN, AND
M. GUREVITZ |

Section V. Mitochondria

- | | | |
|-----|--|---|
| 30. | The Isolation of Mitochondria and Mitochondrial DNA | MAUREEN R. HANSON,
MAURY L. BOESHORE,
PHILLIP E. MCCLEAN,
MARY A. O'CONNELL, AND
HELEN T. NIVISON |
| 31. | Analysis of the Genome Structure of Plant Mitochondria | DAVID M. LONSDALE,
TONY P. HODGE, AND
PETER J. STOEHR |
| 32. | Strategies for the Identification and Analysis of Higher Plant Mitochondrial Genes | ADAM J. DAWSON,
VALERIE P. JONES, AND
CHRISTOPHER J. LEAVER |
| 33. | Preparation of Maize Mitochondrial DNA-Protein Complex for Electron Microscopy | C. S. LEVINGS III AND
R. H. MEINTS |
| 34. | Isolation of Plant Mitochondrial RNA | DAVID B. STERN AND
KATHLEEN J. NEWTON |
| 35. | Isolation and Characterization of Single-Stranded and Double-Stranded RNAs in Mitochondria | ANNE M. SCHUSTER AND
PAUL H. SISCO |

Section VI. Nitrogen Metabolism

36. Isolation and Characterization of Nitrogenase from *Klebsiella pneumoniae* VINOD K. SHAH
37. Tn5 Mapping of Rhizobium Nitrogen Fixation Genes G. DITTA
38. H₂ Uptake Negative (Hup⁻) Mutants of *Rhizobium* and Their Use in the Isolation of *hup* Genes R. J. MAIER AND S. S. M. HOM

Section VII. Cell Culture and Transformation

39. Establishment of Calli and Suspension Cultures ROBERTA H. SMITH
40. Protoplasts: Isolation, Culture, Plant Regeneration INGO POTRYKUS AND RAYMOND D. SHILLITO
41. Fusion and Transformation of Plant Protoplasts J. B. POWER, M. R. DAVEY, J. P. FREEMAN, B. J. MULLIGAN, AND E. C. COCKING
42. Organelle Transfer ESRA GALUN AND DVORA AVIV
43. Induction and Selection of Chloroplast-Coded Mutations in *Nicotiana* ROBERT FLUHR AND AGNES CSÉPLO

Section VIII. Gene Transfer

44. Gene Transfer in Plants: Production of Transformed Plants Using Ti Plasmid Vectors STEPHEN G. ROGERS, ROBERT B. HORSCH, AND ROBERT T. FRALEY
45. Plasmid Vectors for the Genetic Analysis and Manipulation of Rhizobia and Other Gram-Negative Bacteria R. SIMON, M. O'CONNEL, M. LABES, AND A. PÜHLER
46. Plant Virus Vectors: Cauliflower Mosaic Virus N. BRISSON AND T. HOHN
47. Direct Gene Transfer to Plants JERZY PASZKOWSKI AND MICHAEL W. SAUL

Section IX. Virology

48. Propagation and Purification of RNA Plant Viruses LESLIE C. LANE
49. Propagation of DNA Viruses TOM J. GUILFOYLE

-
- | | | |
|-----|--|---|
| 50. | <i>In Vitro</i> Transcription of Infectious Viral RNA from Cloned cDNA | PAUL AHLQUIST |
| 51. | Use of RNA Probes to Detect Plant RNA Viruses | S. J. GARGER AND
T. H. TURPEN |
| 52. | Preparation and Use of cDNA Probes for Detection of Viral Genomes | PETER PALUKAITIS |
| 53. | ELISA Techniques | MICHAEL F. CLARK,
RICHARD M. LISTER, AND
MOSHE BAR-JOSEPH |
| 54. | Serotyping Plant Viruses with Monoclonal Antibodies | EDWARD L. HALK |

Table of Contents

LIST OF CONTRIBUTORS	ix
PREFACE	xiii
CONTENTS OF METHODS IN ENZYMOLOGY, VOLUME 118	xv

Section I. Cell Wall and Membrane

1. Isolation and Characterization of Plant Cell Walls and Cell Wall Components	WILLIAM S. YORK, ALAN G. DARVILL, MICHAEL McNEIL, THOMAS T. STEVENSON, AND PETER ALBERSHEIM	3
2. Isolation of the Plasma Membrane	THOMAS K. HODGES AND DAVID MILLS	41

Section II. Nucleus

3. Purification and Restriction Endonuclease Analysis of Plant Nuclear DNA	JOHN C. WATSON AND WILLIAM F. THOMPSON	57
4. Analyzing Genome Variation in Plants	CAROL RIVIN	77

Section III. Cytoplasmic Protein Synthesis

5. The Synthesis of High-Molecular-Weight Proteins in the Wheat Germ Translation System	M. D. MORCH, G. DRUGEON, W. ZAGORSKI, AND A. L. HAENNI	91
---	---	----

Section IV. The Chloroplast

A. Genome Structure

6. Isolation and Structural Analysis of Chloroplast DNA	JEFFREY D. PALMER	105
---	-------------------	-----

B. Transcription-Translation

- | | | |
|---|--|-----|
| 7. <i>In Vitro</i> Transcription of Chloroplast Protein Genes | EMIL M. OROZCO, JR.,
JOHN E. MULLET,
LINDA HANLEY-BOWDOIN,
AND NAM-HAI CHUA | 125 |
| 8. Coupled Transcription-Translation in Chloroplast Lysates | J. D. J. BARD,
D. P. BOURQUE, AND
D. ZAITLIN | 147 |
| 9. Translation by Isolated Pea Chloroplasts | HELEN T. NIVISON,
LEONARD E. FISH, AND
ANDRE T. JAGENDORF | 159 |

C. Photosynthetic Systems

- | | | |
|--|--|-----|
| 10. Isolation and Characterization of Chloroplast Envelope Membranes | KENNETH KEEGSTRA AND
ABDULLAH E. YOUSIF | 173 |
| 11. Characterization of the Thylakoid Membrane by Sub-fractionation Analyses | BERTIL ANDERSSON | 183 |
| 12. Subunit Structure and Biogenesis of ATP Synthase and Photosystem I Reaction Center | NATHAN NELSON | 197 |

D. RuBP Carboxylase

- | | | |
|---|---|-----|
| 13. Cloning and Expression of Genes for the Small Subunit of Ribulosebiphosphate Carboxylase | C. F. WIMPEE AND
E. M. TOBIN | 215 |
| 14. Separation and Reassembly of the Subunits of Ribulosebiphosphate Carboxylase | T. JOHN ANDREWS | 229 |
| 15. The Cloning and Expression in <i>Escherichia coli</i> of RuBP Carboxylase/Oxygenase Large Subunit Genes | C. R. SOMERVILLE,
L. MCINTOSH,
J. FITCHEN, AND
M. GURFVITZ | 239 |

Section V. Mitochondria

- | | | |
|--|---|-----|
| 16. The Isolation of Mitochondria and Mitochondrial DNA | MAUREEN R. HANSON,
MAURY L. BOESHORE,
PHILLIP E. MCCLEAN,
MARY A. O'CONNELL, AND
HELEN T. NIVISON | 257 |
| 17. Analysis of the Genome Structure of Plant Mitochondria | DAVID M. LONSDALE,
TONY P. HODGE, AND
PETER J. STOEHR | 275 |

18. Strategies for the Identification and Analysis of Higher Plant Mitochondrial Genes	ADAM J. DAWSON, VALERIE P. JONES, AND CHRISTOPHER J. LEAVER	293
19. Isolation of Plant Mitochondrial RNA	DAVID B. STERN AND KATHLEEN J. NEWTON	309

Section VI. Nitrogen Metabolism

20. Isolation and Characterization of Nitrogenase from <i>Klebsiella pneumoniae</i>	VINOD K. SHAH	321
21. Tn5 Mapping of Rhizobium Nitrogen Fixation Genes	G. DITTA	331

Section VII. Cell Culture and Transformation

22. Establishment of Calli and Suspension Cultures	ROBERTA H. SMITH	343
23. Protoplasts: Isolation, Culture, Plant Regeneration	INGO POTRYKUS AND RAYMOND D. SHILLITO	355
24. Fusion and Transformation of Plant Protoplasts	J. B. POWER, M. R. DAVEY, J. P. FREEMAN, B. J. MULLIGAN, AND E. C. COCKING	385
25. Organelle Transfer	ESRA GALUN AND DVORA AVIV	403

Section VIII. Gene Transfer

26. Gene Transfer in Plants: Production of Transformed Plants Using Ti Plasmid Vectors	STEPHEN G. ROGERS, ROBERT B. HORSCH, AND ROBERT T. FRALEY	423
27. Plant Virus Vectors: Cauliflower Mosaic Virus	N. BRISSON AND T. HOHN	437
28. Direct Gene Transfer to Plants	JERZY PASZKOWSKI AND MICHAEL W. SAUL	447

Section IX. Virology

29. <i>In Vitro</i> Transcription of Infectious Viral RNA from Cloned cDNA	PAUL AHLQUIST	467
--	---------------	-----

30. Use of RNA Probes to Detect Plant RNA Viruses	S. J. GARGER AND T. H. TURPEN	481
31. Preparation and Use of cDNA Probes for Detection of Viral Genomes	PETER PALUKAITIS	487
32. ELISA Techniques	MICHAEL F. CLARK, RICHARD M. LISTER, AND MOSHE BAR-JOSEPH	507
SUBJECT INDEX		531

Section I
Cell Wall and Membrane