


© 1998 Humana Press Inc.  
999 Riverview Drive, Suite 208  
Totowa, New Jersey 07512

All rights reserved. No part of this book may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, microfilming, recording, or otherwise without written permission from the Publisher. Methods in Molecular Biology™ is a trademark of The Humana Press Inc.

All authored papers, comments, opinions, conclusions, or recommendations are those of the author(s), and do not necessarily reflect the views of the publisher.

This publication is printed on acid-free paper.   
ANSI Z39.48-1984 (American Standards Institute) Permanence of Paper for Printed Library Materials.

Cover illustration: Fig. 1 from Chapter 4, "Geminivirus Isolation and DNA Extraction," by Kenneth E. Palmer, Wendelin H. Schnippenkoetter, and Edward P. Rybicki.

Cover design by Patricia F. Cleary.

For additional copies, pricing for bulk purchases, and/or information about other Humana titles, contact Humana at the above address or at any of the following numbers: Tel: 973-256-1699; Fax: 973-256-8341; E-mail: [humana@humanapr.com](mailto:humana@humanapr.com), or visit our Website at [www.humanapress.com](http://www.humanapress.com)

**Photocopy Authorization Policy:**

Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by Humana Press Inc., provided that the base fee of US \$8.00 per copy, plus US \$00.25 per page, is paid directly to the Copyright Clearance Center at 222 Rosewood Drive, Danvers, MA 01923. For those organizations that have been granted a photocopy license from the CCC, a separate system of payment has been arranged and is acceptable to Humana Press Inc. The fee code for users of the Transactional Reporting Service is: [0-89603-385-6/98 \$8.00 + \$00.25].

Printed in the United States of America. 10 9 8 7 6 5 4 3 2 1

Library of Congress Cataloging in Publication Data

Main entry under title:

Methods in molecular biology™

Plant Virology Protocols/edited by Gary D. Foster and Sally C. Taylor.

p. cm.—(Methods in molecular biology; vol. 81)

Includes index.

ISBN 0-89603-385-6 (alk. paper)

1. Plant viruses—Research—Methodology. 2. Molecular virology—Methodology. I. Foster, Gary D. II. Taylor, Sally C. III. Series: Methods in molecular biology (Totowa, NJ); 81.

QR351.P5835 1998  
579.2'8—dc21

97-32185  
CIP