THE PLANT CELL

Volume 21 Number 10 October 2009

The electronic form of this issue, available at www.plantcell.org, is the journal of record.

ON THE COVER

The fleshy expansion and ripening of fruits make them attractive to seed-dispersing organisms, including humans. Using RNA interference gene repression and ectopic overexpression, Vrebalov et al. (pages 3041–3062) show that *TAGL1*, the tomato ortholog of Arabidopsis *SHATTERPROOF* (*SHP*) MADS-box genes, is necessary for both ripening and fleshy expansion of tomato. *SHP1* and *SHP2* are necessary for silique shattering in *Arabidopsis*. This indicates broad functional conservation of these genes (a role in seed dispersal) among very different fruit types, but evolution of distinct molecular functions for these MADS-box orthologs in different species, namely fruit expansion and ripening in tomato and pod shatter in *Arabidopsis* (photo by Ryan McQuinn).

IN THIS ISSUE

IN BRIEFS

RESEARCH ARTICLES

EDITORIAL BOARD

Editor in Chief
Cathie Martin

Coeditors
Sarah M. Assmann
Jody Banks
Alice Barkan
Kathy Barton
David Baum
Sebastian Bednarek
James Birchler
Ulla Bonas
Christopher Bowler
Judy Callis
Nigel Crawford
Xing Wang Deng
Allan Downie
Alisdair Fernie
Pascal Genschik
Jean T. Greenberg
Thomas Guilfoyle
David Jackson
Martin Kater
Patricia Leon
Clive Lloyd
William Lucas
Marjori Matzke
Blake Meyers
Joseph Noel
Michael Palmgren
Markus Pauly
Scott C. Peck
Barry Pogson
David Smyth
Chris J. Staiger
Keiko Sugimoto
Nicholas J. Talbot

Managing Editor
John Long

Senior Features Editor
Nancy A. Eckardt

Features Editor
Mary Williams

Science Editors
Greg Bertoni
Kathleen L. Farquharson
Nancy R. Hofmann
Jennifer M. Mach

Production Manager
Susan L. Entwistle

Manuscript Manager
Annette Kessler

Publications Director
Nancy A. Winchester

Publisher
American Society of
Plant Biologists
Executive Director,
Crispin Taylor

Editorial Office
15501 Monona Drive
Rockville, Maryland 20855-2768
Telephone: 301/296-0908
Fax: 301/279-2996
http://www.aspb.org

Online at www.plantcell.org

C Some figures in this article are displayed in color online but in black and white in the print edition.

W Online version contains Web-only data.

OA Open Access articles can be viewed online without a subscription.

The Plant Cell (ISSN 1040-4651, online ISSN 1531-298X) is published monthly (one volume per year) by the American Society of Plant Biologists, 15501 Monona Drive, Rockville, MD 20855-2768, and is produced by Dartmouth Journal Services, Waterbury, VT. The institutional price for the print and online versions is based on type of institution; contact institution@aspb.org. A subscription includes both *The Plant Cell* and *Plant Physiology;* single copies may be purchased for $95 each, plus $10 shipping (U.S.) or $12 (outside U.S.). Members of the American Society of Plant Biologists may subscribe to *The Plant Cell* for $185. Nonmember individuals may subscribe for $375. For matters regarding subscriptions, contact Suzanne Cholwek, ASPB, 15501 Monona Drive, Rockville, MD 20855-2768; telephone 301/296-0926; fax 301/251-6740; e-mail scholwek@aspb.org. Notify ASPB in writing within 3 months (domestic) or 6 months (foreign) of issue date, and defective copies or copies lost in the mail will be replaced. Send all inquiries regarding display advertising to FASEB AdNet, 9650 Rockville Pike, Bethesda, MD 20814-3998; telephone 301/634-7791; fax 301/634-7153; e-mail adnet@faseb.org. Periodicals postage paid at Rockville, MD 20850, and at additional mailing offices.

Postmaster: Send address changes to *The Plant Cell,* American Society of Plant Biologists, 15501 Monona Drive, Rockville, MD 20855-2768. The online version of *The Plant Cell* is available at www.plantcell.org.

Permission to Reprint: Permission to make digital or hard copies of part or all of a work published in *The Plant Cell* is granted without fee for personal or classroom use provided that copies are not made or distributed for profit or commercial advantage and that copies bear the full citation and the following notice on the first page: ''Copyright American Society of Plant Biologists.'' For all other kinds of copying, request permission in writing from Nancy A. Winchester, Publications Director, ASPB headquarters.

© 2009 American Society of Plant Biologists. All rights reserved. Printed on acid-free paper effective with Volume 1, Number 1, January 1989.

Printed in the United States of America.

21 (10)
Plant Cell 2009;21;2983-3412

This information is current as of December 15, 2018

Permissions	https://www.copyright.com/ccc/openurl.do?sid=pd_hw1532298X&issn=1532298X&WT.mc_id=pd_hw1532298X
eTOCs	Sign up for eTOCs at: http://www.plantcell.org/cgi/alerts/ctmain
CiteTrack Alerts	Sign up for CiteTrack Alerts at: http://www.plantcell.org/cgi/alerts/ctmain
Subscription Information	Subscription Information for *The Plant Cell* and *Plant Physiology* is available at: http://www.aspb.org/publications/subscriptions.cfm

© American Society of Plant Biologists
ADVANCING THE SCIENCE OF PLANT BIOLOGY