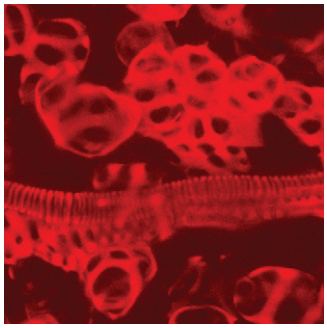
THE
PLANT
CELL

Volume 20 Number 10 October 2008

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

ON THE COVER



Secondary walls are the major constituent of wood, the most abundant biomass produced by land plants. Dissecting the molecular mechanisms underlying secondary wall biosynthesis during wood formation is an important goal in plant science. Previous studies have discovered that the secondary wall–associated transcription factor SND1 and its close homologs, NST1, NST2, VND6, and VND7, are master switches activating the developmental program of secondary wall biosynthesis. Zhong et al. (pages 2763–2782) show that SND1 together with 11 SND1-regulated downstream targets comprise a transcriptional network involved in regulating secondary wall biosynthesis in fibers. They further demonstrate that NST1, NST2, VND6, and VND7 are functional homologs of SND1 that regulate the same downstream targets in different secondary wall–containing cell types in *Arabidopsis*. The cover image shows ectopic secondary wall deposition in mesophyll cells of *Arabidopsis* leaves ectopically expressing SND1.

IN BRIEF

LETTERS TO THE EDITOR

PERSPECTIVE

RESEARCH ARTICLES

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 $75 each, plus $7 shipping (U.S.) or $9 (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.