ON THE COVER

Many plants alter the shape of their leaves depending on the environment, in a phenomenon called heterophyll. Nakayama et al. (pages 4733–4748) show that heterophyll in the North American lake cress Rorippa aquatica (Brassicaceae) is mediated by KNOX1-dependent regulation of gibberellin (GA) level. The KNOX-GA regulatory module responsible for species-to-species variation seems to have been recruited to determine the differential leaf morphology within a single species as well. The cover illustration by artist Sadamu Yoshizawa depicts the extent of heterophyllic morphological variation in R. aquatica.

EDITORIAL

Plant Physiology and The Plant Cell Go Online Only
Cathie Martin and Mike Blatt

A Hopefully Not Too Long Goodbye
Cathie Martin

IN BRIEF

A World Beyond Arabidopsis: Updates on Small RNAs in Plant Development
Nancy R. Hofmann

DNA Methylation in Maize: Toto, I’ve a Feeling We’re Not in Arabidopsis Anymore
Jennifer Mach

Membrane Bound: C2-Domain Abscisic Acid-Related Proteins Help Abscisic Acid Receptors Get Where They Need to Go
Jennifer Lockhart

Examining the Molecular Basis of Heterophylly in North American Lake Cress
Kathleen L. Farquharson

REVIEW

Phytochromes: An Atomic Perspective on Photoactivation and Signaling
E. Sethe Burgie and Richard D. Vierstra

LARGE-SCALE BIOLOGY ARTICLES

An Atlas of Soybean Small RNAs Identifies Phased siRNAs from Hundreds of Coding Genes
Siwaret Arikit, Rui Xia, Atul Kakrana, Kun Huang, Jixian Zhai, Zhe Yan, Oswaldo Valdés-López, Silvas Prince, Theresa A. Musket, Henry T. Nguyen, Gary Stacey, and Blake C. Meyers

Genetic Perturbation of the Maize Methylome
Qing Li, Steven R. Eichten, Peter J. Hermanson, Virginia M. Zaunbrecher, Jawon Song, Jennifer Wendt, Heidi Rosenbaum, Thelma F. Madzima, Amy E. Sloan, Ji Huang, Daniel L. Burgess, Todd A. Richmond, Karen M. McGinnis, Robert B. Meeley, Olga N. Danilevskaya, Matthew W. Vaughn, Shawn M. Kaeppler, Jeffrey A. Jeddeloh, and Nathan M. Springer
Integrated Network Analysis Identifies Fight-Club Nodes as a Class of Hubs Encompassing Key Putative Switch Genes That Induce Major Transcriptome Reprogramming during Grapevine Development

Maria Concetta Palumbo, Sara Zenoni, Marianna Fasoli, Mélanie Massonnet, Lorenzo Farina, Filippo Castiglione, Mario Pezzotti, and Paola Paci

Dissecting the Phenotypic Components of Crop Plant Growth and Drought Responses Based on High-Throughput Image Analysis

Dijun Chen, Kerstin Neumann, Swetlana Friedel, Benjamin Kilian, Ming Chen, Thomas Altmann, and Christian Klukas

Arabidopsis Ensemble Reverse-Engineered Gene Regulatory Network Discloses Interconnected Transcription Factors in Oxidative Stress

Vanessa Vermeirssen, Inge De Clercq, Thomas Van Parys, Frank Van Breusegem, and Yves Van de Peer

The Root Hair “Infectome” of Medicago truncatula Uncovers Changes in Cell Cycle Genes and Reveals a Requirement for Auxin Signaling in Rhizobial Infection

Andrew Breakspear, Chengwu Liu, Sonali Roy, Nicola Stacey, Christian Rogers, Martin Trick, Giulia Morieri, Kirankumar S. Mysore, Jiangqi Wen, Giles E.D. Oldroyd, J. Allan Downie, and Jeremy D. Murray

RESEARCH ARTICLES

The dicer-like1 Homolog fuzzy tassel Is Required for the Regulation of Meristem Determinacy in the Inflorescence and Vegetative Growth in Maize

Beth E. Thompson, Christine Basham, Reza Hammond, Queying Ding, Atul Krakana, Tzuu-Fen Lee, Stacey A. Simon, Robert Meeley, Blake C. Meyers, and Sarah Hake

Transcriptomic Analyses Indicate That Maize Ligule Development Recapitulates Gene Expression Patterns That Occur during Lateral Organ Initiation

Robyn Johnston, Minghui Wang, Qi Sun, Anne W. Sylvester, Sarah Hake, and Michael J. Scanlon

Regulation of the KNOX-GA Gene Module Induces Heterophyllic Alteration in North American Lake Cress

Hokuto Nakayama, Naomi Nakayama, Sumer Seiki, Mikiko Kojima, Hitoshi Sakakibara, Neelima Sinha, and Seisuke Kimura

Site-Specific N-Glycosylation of the S-Locus Receptor Kinase and Its Role in the Self-Incompatibility Response of the Brassicaceae

Masaya Yamamoto, Titimata Tantikanjana, Takeshi Nishio, Mikhail E. Nasrallah, and June B. Nasrallah

Proteasome-Mediated Degradation of FRIGIDA Modulates Flowering Time in Arabidopsis during Vernalization

Xiangyang Hu, Xiangxiang Kong, Chuntao Wang, Lan Ma, Jinjie Zhao, Jingjing Wei, Xiaoming Zhang, Gary J. Loake, Ticao Zhang, Jinling Huang, and Yongping Yang

Soybean miR172c Targets the Repressive AP2 Transcription Factor NNC1 to Activate ENOD40 Expression and Regulate Nodule Initiation

Youning Wang, Lixiang Wang, Yanmin Zou, Liang Chen, Zhaoming Cai, Senlei Zhang, Fang Zhao, Yinping Tian, Qiong Jiang, Brett J. Ferguson, Peter M. Gresshoff, and Xia Li
Virulence Factors of Geminivirus Interact with MYC2 to Subvert Plant Resistance and Promote Vector Performance

Ran Li, Berhane T. Weldegergis, Jie Li, Choonkyun Jung, Jing Qu, Yanwei Sun, Hongmei Qian, ChuanSia Tee, Joop J.A. van Loon, Marcel Dicke, Nam-Hai Chua, Shu-Sheng Liu, and Jian Ye

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