

T H E
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ON THE COVER



The cover illustrates some of the variability in seed coat colors and patterns found in soybean (*Glycine max*). Because they are easy to differentiate from the yellow (nonpigmented) parent lines, a number of spontaneous mutant seed in which the seed coats are partially black and yellow (known as the saddle phenotype) have been found and maintained in the USDA soybean germplasm collections for over 70 years. Using these resources, Cho et al. (pages 708–725) investigated the molecular basis of an unusual epistatic interaction between dominant alleles of the *I* (inhibitor) locus that generates small RNAs to chalcone synthase and the unknown *k1* mutation that interacts with it to result in a saddle phenotype. Using RNA, whole-genome, and amplicon sequencing, they determined that the *K1* locus encodes *AGO5*, a specific member of the Argonaute family of proteins that are involved in the small RNA pathway.

IN BRIEF

The Plant Cell Reviews Plant Immunity: Receptor-Like Kinases, ROS-RLK Crosstalk, Quantitative Resistance, and the Growth/Defense Trade-Off [OPEN](#) 601
Nancy A. Eckardt

Meristem Doming and the Transition to Reproductive Development in Tomato [OPEN](#) 603
Jennifer Mach

Saddle Up, Soybean Seed Pigments: Argonaute5 in Spatially Regulated Silencing of Chalcone Synthase Genes [OPEN](#) 604
Jennifer Mach

Threonine Phosphorylation Regulates Polar Localization of the Boric Acid Transporter NIP5;1 in Root Cells [OPEN](#) 605
Gregory Bertoni

A Kinase- and Proteasome-Mediated Link between Lipid Biosynthesis and Energy Homeostasis [OPEN](#) 606
Nancy R. Hofmann

Family Chores: TRAF Family Proteins Help Recycle Cellular Rubbish by Regulating Autophagy Dynamics [OPEN](#) 607
Jennifer Lockhart

COMMENTARY

Widespread Contamination of Arabidopsis Embryo and Endosperm Transcriptome Data Sets [OPEN](#) 608
Michael A. Schon and Michael D. Nodine

REVIEWS

Receptor Kinases in Plant-Pathogen Interactions: More Than Pattern Recognition [OPEN](#) 618
Dingzhong Tang, Guoxun Wang, and Jian-Min Zhou

Bound by Fate: The Role of Reactive Oxygen Species in Receptor-Like Kinase Signaling [OPEN](#) 638
Sachie Kimura, Cezary Waszczak, Kerri Hunter, and Michael Wrzaczek

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Peter Nagy
Erik Nielsen
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Barry Pogson
Marcela Rojas-Pierce
Hitoshi Sakakibura
Tai-ping Sun

Quantitative Resistance: More Than Just Perception of a Pathogen 655
Jason A. Corwin and Daniel J. Kliebenstein

Mechanisms to Mitigate the Trade-Off between Growth and Defense 666
Talia L. Karasov, Eunyoung Chae, Jacob J. Herman, and Joy Bergelson

RESEARCH ARTICLES

Coordination of Meristem Dering and the Floral Transition by Late Termination, a Kelch Repeat Protein 681
Lior Tal, Gilgi Friedlander, Netta Segal Gilboa, Tamar Unger, Shlomit Gilad, and Yuval Eshed

Tissue-Specific Ubiquitination by IPA1 INTERACTING PROTEIN1 Modulates IPA1 Protein Levels to Regulate Plant Architecture in Rice [OPEN](#) 697
Jing Wang, Hong Yu, Guosheng Xiong, Zefu Lu, Yongqing Jiao, Xiangbing Meng, Guifu Liu, Xuwei Chen, Yonghong Wang, and Jiayang Li

Mutations in *Argonaute5* Illuminate Epistatic Interactions of the *K1* and *I* Loci Leading to Saddle Seed Color Patterns in *Glycine max* 708
Young B. Cho, Sarah I. Jones, and Lila O. Vodkin

Changes in PUB22 Ubiquitination Modes Triggered by MITOGEN-ACTIVATED PROTEIN KINASE3 Dampen the Immune Response [CC-BY](#) 726
Giulia Furlan, Hirofumi Nakagami, Lennart Eschen-Lippold, Xiyuan Jiang, Petra Majovsky, Kathrin Kowarschik, Wolfgang Hoehenwarter, Justin Lee, and Marco Trujillo

CALCIUM-DEPENDENT PROTEIN KINASE5 Associates with the Truncated NLR Protein TIR-NBS2 to Contribute to *exo70B1*-Mediated Immunity 746
Na Liu, Katharina Hake, Wei Wang, Ting Zhao, Tina Romeis, and Dingzhong Tang

Different Cold-Signaling Pathways Function in the Responses to Rapid and Gradual Decreases in Temperature 760
Satoshi Kidokoro, Koshi Yoneda, Hironori Takasaki, Fuminori Takahashi, Kazuo Shinozaki, and Kazuko Yamaguchi-Shinozaki

An NADPH Oxidase RBOH Functions in Rice Roots during Lysigenous Aerenchyma Formation under Oxygen-Deficient Conditions 775
Takaki Yamauchi, Miki Yoshioka, Aya Fukazawa, Hitoshi Mori, Naoko K. Nishizawa, Nobuhiro Tsutsumi, Hirofumi Yoshioka, and Mikio Nakazono

Dual Role of the Histone Variant H2A.Z in Transcriptional Regulation of Stress-Response Genes [OPEN](#) 791
Weronika Sura, Michał Kabza, Wojciech M. Karlowski, Tomasz Bieluszewski, Marta Kus-Slowinska, Łukasz Pawełoszek, Jan Sadowski, and Piotr A. Ziolkowski

Bile Acid Sodium Symporter BASS6 Can Transport Glycolate and Is Involved in Photorespiratory Metabolism in *Arabidopsis thaliana* [OPEN](#) 808
Paul F. South, Berkley J. Walker, Amanda P. Cavanagh, Vivien Rolland, Murray Badger, and Donald R. Ort

Polar Localization of the NIP5;1 Boric Acid Channel Is Maintained by Endocytosis and Facilitates Boron Transport in *Arabidopsis* Roots 824
Sheliang Wang, Akira Yoshinari, Tomoo Shimada, Ikuko Hara-Nishimura, Namiki Mitani-Ueno, Jian Feng Ma, Satoshi Naito, and Junpei Takano

Intron DNA Sequences Can Be More Important Than the Proximal Promoter in Determining the Site of Transcript Initiation 843
Jenna E. Gallegos and Alan B. Rose

Klaas van Wijk
Jeanmarie Verchot
Dan Voytas
Sam Zeeman
Xiaoyu Zhang

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The Composition of the Arabidopsis RNA Polymerase II Transcript Elongation Complex Reveals the Interplay between Elongation and mRNA Processing Factors [OPEN](#) 854

Wojciech Antosz, Alexander Pfab, Hans F. Ehrnsberger, Philipp Holzinger, Karin Köllen, Simon A. Mortensen, Astrid Bruckmann, Thomas Schubert, Gernot Längst, Joachim Griesenbeck, Veit Schubert, Marion Grasser, and Klaus D. Grasser

Phosphorylation of WRINKLED1 by KIN10 Results in Its Proteasomal Degradation, Providing a Link between Energy Homeostasis and Lipid Biosynthesis [OPEN](#) 871

Zhiyang Zhai, Hui Liu, and John Shanklin

TRAF Family Proteins Regulate Autophagy Dynamics by Modulating AUTOPHAGY PROTEIN6 Stability in Arabidopsis [OPEN](#) 890

Hua Qi, Fan-Nv Xia, Li-Juan Xie, Lu-Jun Yu, Qin-Fang Chen, Xiao-Hong Zhuang, Qian Wang, Faqiang Li, Liwen Jiang, Qi Xie, and Shi Xiao

CORRECTIONS

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