Guo et al. (pages 3112–3127) show that the WRKY transcription factor WRKY71/EXCESSIVE BRANCHES1 (EXB1) plays a pivotal role in shoot branching in Arabidopsis by regulating other key transcription factor genes (RAX genes) and auxin signaling. The cover picture shows a 55-d-old exb1-D Arabidopsis mutant, which produces many branches. exb1-D is an activation tagging mutant in which the WRKY71/EXB1 gene is overexpressed, resulting in the excessive branching phenotype.

**IN BRIEF**

**Revealing the Elusive Plant Epitranscriptome**
Jennifer Lockhart

**Epigenetic Battles Underfoot: Allelopathy among Plants Can Target Chromatin Modification**
Nancy R. Hofmann

**Strigolactones Regulate Plant Growth in Arabidopsis via Degradation of the DWARF53-Like Proteins SMXL6, 7, and 8**
Jennifer Mach

**LARGE-SCALE BIOLOGY ARTICLES**

**Chemical Modifications Mark Alternatively Spliced and Uncapped Messenger RNAs in Arabidopsis**
Lee E. Vandivier, Rafael Campos, Pavel P. Kuksa, Ian M. Silverman, Li-San Wang, and Brian D. Gregory

**Transcriptional Dynamics Driving MAMP-Triggered Immunity and Pathogen Effector-Mediated Immunosuppression in Arabidopsis Leaves Following Infection with Pseudomonas syringae pv tomato DC3000**
Laura A. Lewis, Krzysztof Polanski, Marta de Torres-Zabala, Siddharth Jayaraman, Laura Bowden, Jonathan Moore, Christopher A. Penfold, Dafyd J. Jenkins, Claire Hill, Laura Baxter, Satish Kulasekaran, William Truman, George Littlejohn, Justyna Prusinska, Andrew Mead, Jens Steinbrenner, Richard Hickman, David Rand, David L. Wild, Sascha Ott, Vicky Buchanan-Wollaston, Nick Smirnoff, Jim Beynon, Katherine Denby, and Murray Grant

**RESEARCH ARTICLES**

**Functional Conservation in the SIAMESE-RELATED Family of Cyclin-Dependent Kinase Inhibitors in Land Plants**
Narender Kumar, Hirofumi Harashima, Shweta Kalve, Jonathan Bramsiepe, Kai Wang, Bulelani L. Sizani, Laura L. Bertrand, Matthew C. Johnson, Christopher Faulk, Renee Dale, L. Alice Simmons, Michelle L. Churchman, Keiko Sugimoto, Naohiro Kato, Maheshi Dassanayake, Gerrit Beemster, Arp Schnittger, and John C. Larkin
The Maize PI/GLO Ortholog Zmm16/stereile tassel silky ear1 Interacts with the Zygomorphy and Sex Determination Pathways in Flower Development 3081

Arabidopsis LEAFY COTYLEDON1 Mediates Postembryonic Development via Interacting with PHYTOCHROME-INTERACTING FACTOR4 3099

The WRKY Transcription Factor WRKY71/EXB1 Controls Shoot Branching by Transcriptionally Regulating RAX Genes in Arabidopsis 3112

SMAX1-LIKE/D53 Family Members Enable Distinct MAX2-Dependent Responses to Strigolactones and Karrikins in Arabidopsis 3143

FILAMENTOUS FLOWER Is a Direct Target of JAZ3 and Modules Responses to Jasmonate 3160

Plants Release Precursors of Histone Deacetylase Inhibitors to Suppress Growth of Competitors 3175

The EF-Hand Ca2+ Binding Protein MICU Choreographs Mitochondrial Ca2+ Dynamics in Arabidopsis 3190

Light-Harvesting Complex Stress-Related Proteins Catalyze Excess Energy Dissipation in Both Photosystems of Physcomitrella patens 3213

Arabidopsis RZFP34/CHYR1, a Ubiquitin E3 Ligase, Regulates Stomatal Movement and Drought Tolerance via SnRK2.6-Mediated Phosphorylation 3228

A MYB/ZML Complex Regulates Wound-Induced Lignin Genes in Maize 3245

Phosphorylation-Dependent Regulation of G-Protein Cycle during Nodule Formation in Soybean 3260
Septin-Dependent Assembly of the Exocyst Is Essential for Plant Infection by Magnaporthe oryzae

Yogesh K. Gupta, Yasin F. Dagdas, Ana-Lilia Martinez-Rocha, Michael J. Kershaw, George R. Littlejohn, Lauren S. Ryder, Jan Sklenar, Frank Menke, and Nicholas J. Talbot

Articles can be viewed online without a subscription.