IN BRIEF

A Tripartite Growth Regulatory Cascade of Basic Helix-Loop-Helix Transcription Factors
Nancy R. Hofmann

Crosstown Trafficking: The Retromer Complex Component VPS29 and Recycling of the Vacuolar Sorting Receptor
Jennifer Mach

REVIEW

The Promiscuous Life of Plant NUCLEAR FACTOR Y Transcription Factors
Katia Petroni, Roderick W. Kumimoto, Nerina Gnesutta, Valentina Calvenzani, Monica Fornari, Chiara Tonelli, Ben F. Holt, III and Roberto Mantovani

LARGE-SCALE BIOLOGY ARTICLE

GWAPP: A Web Application for Genome-Wide Association Mapping in Arabidopsis
Ümit Seren, Bjarni J. Vilhjálmsdóttir, Matthew W. Horton, Dazhe Meng, Petar Forai, Yu S. Huang, Quan Long, Vincent Segura, and Magnus Nordborg

RESEARCH ARTICLES

Ln Is a Key Regulator of Leaflet Shape and Number of Seeds per Pod in Soybean
Namhee Jeong, Su Jeoung Suh, Min-Hee Kim, Seukki Lee, Jung-Kyung Moon, Hong Sik Kim, and Soon-Chun Jeong

Evolution from the Prokaryotic to the Higher Plant Chloroplast Signal Recognition Particle: The Signal Recognition Particle RNA Is Conserved in Plastids of a Wide Range of Photosynthetic Organisms
Chantal Träger, Magnus Alm Rosenblad, Dominik Ziehe, Christel Garcia-Petit, Lukas Schrader, Klaus Kock, Christine Vera Richter, Birgit Klinkert, Franz Narberhaus, Christian Herrmann, Eckhard Hofmann, Henrik Aronsson, and Danja Schünemann

miR156 and miR390 Regulate tasiRNA Accumulation and Developmental Timing in Physcomitrella patens
Sung Hyun Cho, Ceyda Coruh, and Michael J. Axtell

Target of Rapamycin Signaling Regulates Metabolism, Growth, and Life Span in Arabidopsis
Maozhi Ren, Prakash Venglat, Shuqin Qiu, Li Feng, Yongguo Cao, Edwin Wang, Diaoquan Xiang, Jinghe Wang, Danny Alexander, Subbaiah Chaliendra, David Logan, Autar Mattoo, Gopalan Selvaraj, and Raju Datla
The R2R3-MYB–Like Regulatory Factor EOB1, Acting Downstream of EOBII, Regulates Scent Production by Activating ODO1 and Structural Scent-Related Genes in Petunia

Ben Spitzer-Rimon, Moran Farhi, Boaz Albo, Alon Ona’ani, Michal Moyal Ben Zvi, Tania Masci, Orit Edelbaum, Yixun Yu, Elena Shkiacman, Marianna Ovadis, and Alexander Vainstein

UBIQUITIN-SPECIFIC PROTEASE16 Modulates Salt Tolerance in Arabidopsis by Regulating Na+/H+ Antiport Activity and Serine Hydroxymethyltransferase Stability

Huapeng Zhou, Jinfeng Zhao, Yongqing Yang, Changxi Chen, Yanfen Liu, Xuehua Jin, Limei Chen, Xueyong Li, Xing Wang Deng, Karen S. Schumaker, and Yan Guo

Pipelic Acid, an Endogenous Mediator of Defense Amplification and Priming, Is a Critical Regulator of Inducible Plant Immunity

Hana Návarová, Friederike Bernsdorff, Anne-Christin Doring, and Jürgen Zeier

Relocalization of Late Blight Resistance Protein R3a to Endosomal Compartments Is Associated with Effector Recognition and Required for the Immune Response

Stefan Engelhardt, Petra C. Boevink, Miles R. Armstrong, Maria Brisa Ramos, Ingo Hein, and Paul R.J. Birch

In Planta Stage-Specific Fungal Gene Profiling Elucidates the Molecular Strategies of Fusarium graminearum Growing inside Wheat Coleoptiles

Xiao-Wei Zhang, Lei-Jie Jia, Yan Zhang, Gang Jiang, Xuan Li, Dong Zhang, and Wei-Hua Tang

Natural Variation in Small Molecule–Induced TIR-NB-LRR Signaling Induces Root Growth Arrest via EDS1- and PAD4-Complexed R Protein VICTR in Arabidopsis

Tae-Houn Kim, Hans-Henning Kunz, Saikat Bhattacharjee, Felix Hauser, Jiyoung Park, Cawas Engineer, Amy Liu, Tracy Ha, Jane E. Parker, Walter Gassmann, and Julian I. Schroeder

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