

On the Cover: Reconstructed metabolic network of *Arabidopsis thaliana* based on AraCyc database version 8.0. Dots (nodes) represent reactions or metabolites, and links (edges) represent the direct association between metabolites and their reactions. Twenty-four currency compound nodes and their edges have been removed. Classified metabolites are color coded by the types of compounds: amino acids (pink), carbohydrates (cyan), cofactors (gray), electron carriers (light purple), fatty acids (peach), plant hormones (red), lipids (green), nucleotides (yellow), and specialized metabolites (blue). For a clearer visual illustration of the metabolic network, we included only the main carbon skeletal compounds of reactions found in pathways from the layout information in AraCyc 8.0. Pajek software was used to visualize the network. Cover image credits: Taehyong Kim and Seung Y. Rhee (Department of Plant Biology, Carnegie Institution for Science, Stanford, CA).

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[OPEN] A Small Phospholipase A₂-α from Castor Catalyzes the Removal of Hydroxy Fatty Acids from Phosphatidylcholine in Transgenic Arabidopsis Seeds. *Shen Bayon, Guanqun Chen, Randall J. Weselake, and John Browse*

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[OPEN] Identification of the Primary Lesion of Toxic Aluminum in Plant Roots. *Peter M. Kopittke, Katie L. Moore, Enzo Lombi, Alessandra Gianoncelli, Brett J. Ferguson, F. Pax C. Blamey, Neal W. Menzies, Timothy M. Nicholson, Brigid A. McKenna, Peng Wang, Peter M. Gresshoff, George Kourousias, Richard I. Webb, Kathryn Green, and Alina Tollenaere*

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^[OPEN]ALtered Meristem Program1 Suppresses Ectopic Stem Cell Niche Formation in the Shoot Apical Meristem in a Largely Cytokinin-Independent Manner. *Wenwen Huang, Delphine Pitorre, Olena Poretska, Christine Marizzi, Nikola Winter, Brigitte Poppenberger, and Tobias Sieberer*

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A Nucleus-Encoded Chloroplast Protein Regulated by Iron Availability Governs Expression of the Photosystem I Subunit PsaA in *Chlamydomonas reinhardtii*. *Linnka Lefebvre-Legendre, Yves Choquet, Richard Kuras, Sylvain Loubéry, Damien Douchi, and Michel Goldschmidt-Clermont*

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^[OPEN]WRKY42 Modulates Phosphate Homeostasis through Regulating Phosphate Translocation and Acquisition in Arabidopsis. *Tong Su, Qian Xu, Fei-Cui Zhang, Yun Chen, Li-Qin Li, Wei-Hua Wu, and Yi-Fang Chen*

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^[OPEN]The Greening after Extended Darkness1 Is an N-End Rule Pathway Mutant with High Tolerance to Submergence and Starvation. *Willi Riber, Jana T. Müller, Eric J.W. Visser, Rashmi Sasidharan, Laurentius A.C.J. Voesenek, and Angelika Mustroph*

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