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Finding Dt2, the Dominant Gene That Specifies the Semideterminate Growth Habit in Soybean
Jennifer Lockhart

Unexpected Structure of Plant Promoters
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Observe Them in Their Native Habitat: Atomic Force Microscopy of Photosynthetic Complexes in Thylakoid Membranes
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Inference of Transcriptional Networks in Arabidopsis through Conserved Noncoding Sequence Analysis
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Paired-End Analysis of Transcription Start Sites in Arabidopsis Reveals Plant-Specific Promoter Signatures
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RESEARCH ARTICLES

Evolution of the BBAA Component of Bread Wheat during Its History at the Allohexaploid Level
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Integrated Syntenic and Phylogenomic Analyses Reveal an Ancient Genome Duplication in Monocots
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Arabidopsis and Maize RidA Proteins Preempt Reactive Enamine/Imine Damage to Branched-Chain Amino Acid Biosynthesis in Plastids

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Cytosolic Phosphorylating Glyceraldehyde-3-Phosphate Dehydrogenases Affect Arabidopsis Cellular Metabolism and Promote Seed Oil Accumulation

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Nanodomains of Cytochrome b₆f and Photosystem II Complexes in Spinach Grana Thylakoid Membranes

Matthew P. Johnson, Cvetelin Vasilev, John D. Olsen, and C. Neil Hunter

Insights into the Localization and Function of the Membrane Trafficking Regulator GNOM ARF-GEF at the Golgi Apparatus in Arabidopsis

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Kabin Xie, Jianping Chen, Qin Wang, and Yinong Yang

Uric Acid Accumulation in an Arabidopsis Urate Oxidase Mutant Impairs Seedling Establishment by Blocking Peroxisome Maintenance

Oliver K. Hauck, Jana Scharnberg, Nieves Medina Escobar, Gerhard Wanner, Patrick Giavalisco, and Claus-Peter Witte

Phylobiochemical Characterization of Class-Ib Aspartate/Prephenate Aminotransferases Reveals Evolution of the Plant Arogenate Phenylalanine Pathway

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Arabidopsis MSL10 Has a Regulated Cell Death Signaling Activity That Is Separable from Its Mechanosensitive Ion Channel Activity

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Arabidopsis SNAREs SYP61 and SYP121 Coordinate the Trafficking of Plasma Membrane Aquaporin PIP2;7 to Modulate the Cell Membrane Water Permeability

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The Ubiquitous Distribution of Late Embryogenesis Abundant Proteins across Cell Compartments in Arabidopsis Offers Tailored Protection against Abiotic Stress

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Closely Related NAC Transcription Factors of Tomato Differentially Regulate Stomatal Closure and Reopening during Pathogen Attack

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Results in Complete Penetration Resistance to Powdery Mildew

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The Arabidopsis Malectin-Like Leucine-Rich Repeat Receptor-Like Kinase IOS1 Associates with the Pattern Recognition Receptors FLS2 and EFR and Is Critical for Priming of Pattern-Triggered Immunity

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