

The electronic form of this issue, available as of October 11, 2007, at www.plantphysiol.org, is considered the journal of record.

On the Cover: The interactome, a complete map of all protein-protein interactions, is an invaluable tool for systems biology. As an appetizer for those awaiting the results from high-throughput experimental approaches, an interactome was predicted for the *Arabidopsis thaliana* genome by identifying pairs of orthologs that interact in yeast, *Drosophila*, humans, and *Caenorhabditis elegans*. In this illustration, each circle represents an *Arabidopsis* protein. The color of the circle is the subcellular localization from the SUBA database, for example, dark blue = nucleus and yellow = vacuole (see article for full list). Where two proteins are connected by a line, there is a predicted interaction. The thickness of the line represents the confidence value, while the line color is the degree of gene coexpression (red = highly coexpressed, yellow = weakly). An interactome of 19,979 interactions was made for 3,617 conserved *Arabidopsis* proteins, and is available online at the Bio-Array Resource for *Arabidopsis* functional genomics and can be downloaded from The *Arabidopsis* Information Resource. Shown on the cover are interactions for 918 proteins where subcellular localization was known. (Illustration courtesy of Matt Geisler.)

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^[C] Some figures in this article are displayed in color online but in black and white in the print edition.

^[W] Indicates Web-only data.

^[OA] Open Access articles can be viewed online without a subscription.