

The electronic form of this issue, available as of January 11, 2010, at [www.plantphysiol.org](http://www.plantphysiol.org), is considered the journal of record.

**On the Cover:** In this issue, Grimsrud et al. (pp. 19–28) use phosphopeptide enrichment and tandem mass spectrometry to map sites of in vivo phosphorylation on proteins in *Medicago truncatula* roots. This work identified phosphorylation sites and revealed phosphorylation motifs not previously observed in plants. Interestingly, multiple sites of phosphorylation were identified on several key proteins involved in initiating rhizobial symbiosis and nitrogen fixation. As part of the National Science Foundation Plant Genome Project, the Wisconsin Medicago Group has created an open-access database (<http://www.phospho.medicago.wisc.edu>) for making this and future *M. truncatula* phosphoproteomic data sets readily available to the research community. Photography by Désirée den Os and image preparation by A.J. Bureta.

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

<sup>[W]</sup> Indicates Web-only data.

<sup>[OA]</sup> Open Access articles can be viewed online without a subscription.