

The electronic form of this issue, available as of March 11, 2011, at www.plantphysiol.org, is considered the journal of record.

On the Cover: Terpenes are versatile natural compounds that are essential for critical biological processes such as protein prenylation, glycoprotein biosynthesis, and the metabolism of growth hormones. The cover illustration shows some of these diverse compounds, including ubiquinone and plastoquinone, which are derived from linear prenyl pyrophosphates. These, in turn, are synthesized by prenyltransferases via condensation reactions of dimethylallyl diphosphate, geranyl pyrophosphate, farnesyl pyrophosphate, or geranylgeranyl pyrophosphate, with the corresponding number of isopentenyl pyrophosphates. In this issue, Fu et al. (1079–1090) identified a novel *Arabidopsis* polyprenyl pyrophosphate synthase, formerly thought to be a geranyl pyrophosphate synthase, that participates in the terpene biosynthesis. Images and artwork by Fu-Lien Hsieh and Tao-Hsin Chang.

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[W] Indicates Web-only data.

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