ON THE COVER

LIPASE1 is induced by GA in the seed epidermis during germination and plays a role in fueling seedling growth until photosynthetic capacity is acquired. Rombolá-Caldentey et al. (pages 2905–2919) show that two HD-ZIP transcription factors, ATML1 and PDF2, play a role in the regulation of epidermal GA signaling. LIP1 is activated by GA due to the release of these HD-ZIP TFs from their inhibitory interaction with DELLAs, an effect that is dependent on the L1-box sequence in the LIP1 promoter. The cover image shows results of in situ mRNA hybridization revealing that PDF2 mRNAs are specifically localized in the epidermis of the embryo axis (dark purple color) during this developmental stage, a location compatible with the proposed regulatory role.

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Unexpected Structure of Plant Promoters
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