

T H E  
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**ON THE COVER**



The floral homeotic protein AGAMOUS directs the specification of reproductive organs by controlling the expression of a plethora of other regulators. Ó'Maoiléidigh et al. (pages 2482–2503) identify the direct and indirect downstream targets of AGAMOUS during reproductive organ specification on a genome-wide scale. The cover shows the indeterminate flower of an *ag-1* mutant plant in which the reproductive organs, stamens, and carpels have been replaced by sepals and petals.

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