



Cover image: Pictured is a flower from a mutant of the legume *Medicago truncatula* that lacks a functional *AGAMOUS-LIKE FLOWER (AGLF)* gene. Yang Zhao et al. found that deletion of the *AGLF* gene in *M. truncatula* produces flowers with extra petals and sepals in place of stamens and carpel, and that the gene regulates the expression of class C flower-development genes. The results identify a previously unknown regulator and expand the canonical model of flower development. See the article by Zhao et al. on pages 5176–5181. Image courtesy of Rong Liu.

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