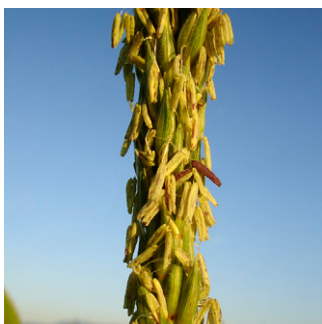


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ON THE COVER



The maize transposable element *Ds* has been used extensively in gene tagging programs, but a large-scale collection of insertions has not been available to the maize community. In this issue (pages 1667–1685), Vollbrecht and colleagues position over 1500 *Ds* insertions throughout the maize genome. The vast majority of the insertions targeted gene-rich regions of the genome and preferentially inserted into exon and intron sequence when compared with the distribution of *Mutator* insertions. This collection will serve as a foundation for future gene tagging programs in maize. The cover shows the instability of a *Ds* insertion at the *a1* locus. Excisions of the element restore gene function, resulting in multiple colored sectors in anthers and glumes of the tassel.

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