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Whence sexual reproduction?

Achieving individuality

Reconstructing ancestral sequences
Genetics Society of America

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About the Cover
Phlobaphenes are red pigments found in sorghum and their accumulation is regulated by the yellow seed1 (yl) gene. Seeds shown here have a variegated phenotype because of the activity of the candystripe1 transposon in the yl gene. The variegated line gave rise to functional revertant and null alleles of yl because of the excision activity of the transposon. Using these new alleles, the study by IBRAHEEM et al. (pp. 915–926) demonstrates that the yl is also responsible for the synthesis of sorghum phytoalexins that are induced when plants are challenged with the fungus Colletotrichum sublineolum.
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