

Characterization of the homeologous genes of C24-sterol methyltransferase in *Triticum aestivum* L.

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Abstract

© 2016, Pleiades Publishing, Ltd. Three homeologous copies of the TaSMT1 gene for C24-sterol methyltransferase, which are located on chromosomes A, B, and D of *Triticum aestivum* hexaploid genome, were discovered. The bioinformatic analysis of the structure of these genes and sequencing de novo promoter sequences revealed differential expression of homeologous TaSMT1 genes in leaves and roots of wheat seedlings under normal conditions and in stress.

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