

TOMATO AS A MODEL PLANT FOR STUDYING METABOLIC REGULATION

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tomato

Being the world's most favorite fruit, tomatoes produce large amounts of important primary and secondary metabolites which can serve as intermediates or substrates for producing valuable new compounds. As a model crop, tomato already has a broad range of tools and resources available for biotechnological applications, either increased nutrients for health-promoting biofortified foods or as a production system for high-value compounds. These advantages make tomato an excellent model plant for studying metabolic regulation. Different techniques have been successfully applied to studies in metabolic regulation in tomato. These new strategies helped us to understand the different levels of regulation in high resolution.