

THE ANALYSIS OF THE GENE EXPRESSION LEVEL OF SUCCINATE DEHYDROGENASE IN GERMINATED SEEDS AND GREEN LEAVES OF MAIZE

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This article is devoted to study the gene expression level of tricarboxylic acid cycle (TCA) key enzyme - succinate dehydrogenase in germinated seeds and green leaves of maize. It was shown, that during germination of seeds there is active expression of two genes, encoding succinate dehydrogenase subunits. In green leaves we observed blocking of gene expression for SDH 1-2 and gene expression SDH 1-1 is exposed only. Such change in expression intensity of genes can testify the necessity of synthesis of a plenty of succinate dehydrogenase isozymes in germinating seeds for provision of energy and intermediates for organism construction.