

Increased activity of the first two enzymes of tryptophan biosynthesis

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Abstract

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Carsiotis, M., A. M. Lacy and D. B. Fankhauser.

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mutants of Neurospora crassa.

We have now completed surveying these same mutants and found a similar increase in the first two enzymes of the Pathway (anthranilate synthetase and PR-transferase), thereby providing proof that the entire pathway is elevated in these mutants.

The mechanism of this elevation is currently under investigation. ■ ■ ■ Department of Microbiology, University of Cincinnati College of Medicine, Cincinnati, Ohio and Department of Biological Sciences, Goucher College, Towson, Maryland

As reported earlier (Carsiotis and Lacy 1965 J. Bacteriol. 89: 1472), the last two enzymes of the tryptophan biosynthetic pathway (indoleglycerol phosphate synthetase and tryptophan synthetase) are elevated two-fold or more in all histidine