

Title (en)

GENES OF CAROTENOID BIOSYNTHESIS AND METABOLISM AND METHODS OF USE THEREOF

Title (de)

GENE DER KAROTINOID-BIOSYNTHESE UND -METABOLISMUS UND VERFARHEN ZU DEREN VERWENDUNG

Title (fr)

GENES DE LA BIOSYNTHESE ET DU METABOLISME DU CAROTENOIDE ET TECHNIQUES D'UTILISATION

Publication

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Application

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Abstract (en)

[origin: WO9963055A1] Nucleic acid sequences encoding epsilon -cyclase, isopentenyl pyrophosphate isomerase and beta -carotene hydroxylase as well as vectors containing the same and hosts transformed with the vectors. Methods for controlling the ratio of various carotenoids in a host and for the production of novel carotenoid pigments. The present invention also provides a method for screening for eukaryotic genes encoding carotenoid biosynthesis, and for modifying the disclosed enzymes.

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