

VIRIDIFLOROL PRODUCTION IN AUXOTROPHIC *ESCHERICHIA COLI***ABSTRACT**

5 The present invention relates to a method of increasing terpenoid production in a host cell
that produces one or more terpenoids, comprising: a) providing a host cell that produces one
or more terpenoids, said host cell comprising a vector comprising a polynucleotide sequence
encoding a terpene synthase enzyme; b) modifying the vector to: i. introduce an inducible
10 promoter operably linked to the polynucleotide sequence encoding the terpene synthase
enzyme; and ii. introduce a polynucleotide sequence encoding a ribosomal binding site (RBS)
that increases translation initiation rate of the terpenoid compared to a wild type ribosomal
binding site; c) determining the dosage of an inducer capable of inducing the inducible
promoter; d) culturing the host cell in a culture medium in the presence of the inducer at the
dosage determined from step c); and e) isolating the terpenoid from the culture medium.

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No suitable figure