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(54) Title: METHODS FOR TERPENOID PRODUCTION

(57) Abstract: The present invention relates to a bacteria strain comprising one or more vectors encoding a) one or more enzymes to produce one or more terpene precursors; and b) a fungal terpene synthase (FTPS) and a method of producing terpenoids by a) culturing said bacteria strain in an expression medium; and b) isolating the terpenoid from said expression medium. Also claimed are genetically modified 1-deoxyxylulose-5-phosphate synthase (DXS) enzymes and modified FTPS isolated from *Agrocybe aegerita* or *Agrocybe pediades*.

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