

POLYNUCLEOTIDES ENCODING ISOPRENOID MODIFYING ENZYMES AND METHODS OF USE THEREOF

Abstract

The present invention provides isolated nucleic acids comprising nucleotide sequences encoding isoprenoid modifying enzymes, as well as recombinant vectors comprising the nucleic acids. The present invention further provides genetically modified host cells comprising a subject nucleic acid or recombinant vector. The present invention further provides a transgenic plant comprising a subject nucleic acid. The present invention further provides methods of producing an isoprenoid compound, the method generally involving culturing a subject genetically modified host cell under conditions that permit synthesis of an isoprenoid compound modifying enzyme encoded by a subject nucleic acid.

(Figure 8)