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(54) Title: PHOSPHOKETOLASES FOE IMPROVED PRODUCTION OF ACETYL COENZYME A-DERIVED METABOLITES, ISOPRENE, ISOPRENOID PRECUROSORS, AND ISOPRENOIDS

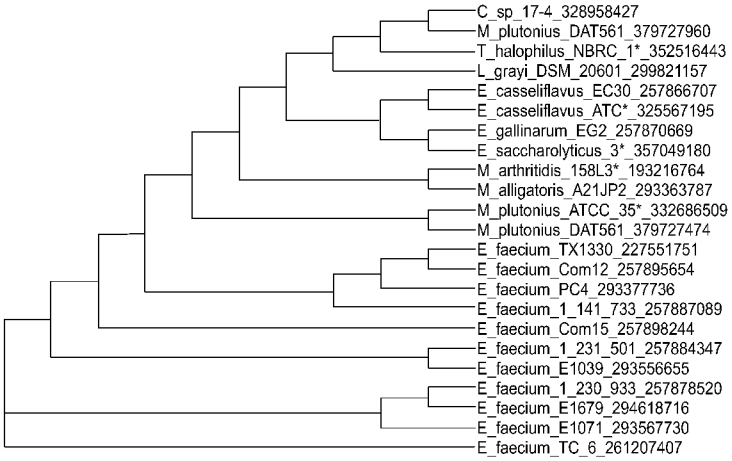


FIG. 10

(57) Abstract: This present invention relates to cultured recombinant cells comprising a heterologous phosphoketolase (PKL) polypeptide that are capable of increased production of acetyl coenzyme A-derived metabolites, as well as methods for producing and using the same. In some embodiments, the recombinant cells further comprise one or more mevalonate (MVA) pathway polypeptides for the production of isoprenoid precursors, isoprene and isoprenoids.

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