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(54) Title: RECOMBINANT MICROORGANISM FOR THE PRODUCTION OF USEFUL METABOLITES

(57) Abstract: Described are recombinant microorganisms characterized by having phosphoketolase activity, having a diminished or inactivated Embden-Meyerhof-Parnas pathway (EMPP) by inactivation of the gene(s) encoding phosphofructokinase or by reducing phosphofructokinase activity as compared to a non-modified microorganism and having a diminished or inactivated oxidative branch of the pentose phosphate pathway (PPP) by inactivation of the gene(s) encoding glucose-6-phosphate dehydrogenase or by reducing glucose-6-phosphate dehydrogenase activity as compared to a non-modified microorganism. These microorganisms can be used for the production of useful metabolites such as acetone, isobutene or propene.



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