

Title (en)
TRANS-2-ENOYL-COA REDUCTASE GENE OF EUGLENA GRACILIS

Title (de)
TRANS-2-ENOYL-COA-REDUKTASE-GEN AUS EUGLENA GRACILIS

Title (fr)
GENE DE TRANS-2-ENOYL-COA REDUCTASE DE EUGLENA GRACILIS

Publication
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Application
EP 04765900 A 20041008

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Abstract (en)
[origin: WO2005040366A1] The invention relates to the identification and use of a nucleic acid sequence SEQ ID NO : 1 from Euglena gracilis that when expressed will increase the total amount of oil (i.e. triacylglycerols, diacylglycerols, monoacylglycerols, phospholipids, waxesters and/or fatty acids) that is produced in transgenic organisms.

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Citation (search report)
See references of WO 2005040366A1

Citation (examination)
HOFFMEISTER M. ET AL: "Mitochondrial trans-2-enoyl-CoA reductase of wax ester fermentation from Euglena gracilis defines a new family of enzymes involved in lipid synthesis", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 280, 2005, pages 4329 - 4338

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