

Title (en)
NUCLEOTIDE SEQUENCES WHICH CODE FOR THE METR AND METZ GENES

Title (de)
NUKLEOTIDSEQUENZEN WELCHE FÜR METR UND METZ GENE KODIEREN

Title (fr)
SEQUENCES NUCLEOTIDIQUES CODANT LES GENES METR ET METZ

Publication
EP 1313757 A2 20030528 (EN)

Application
EP 01960503 A 20010717

Priority
• DE 10043335 A 20000902
• DE 10109688 A 20010228
• EP 0108221 W 20010717

Abstract (en)
[origin: WO0218430A2] The invention relates to polynucleotides from coryneform bacteria which code for the metR and/or metZ genes and comprise polynucleotide sequences, chosen from the group consisting of a) polynucleotide which is identical to the extent of at least 70 % to a polynucleotide which codes for a polypeptide which comprises the amino acid sequence of SEQ ID No. 2, b) polynucleotide which is identical to the extent of at least 70 % to a polynucleotide which codes for a polypeptide which comprises the amino acid sequence of SEQ ID No. 3, c) polynucleotide which codes for a polypeptide which comprises an amino acid sequence which is identical to the extent of at least 70 % to the amino acid sequence of SEQ ID No. 2, d) polynucleotide which codes for a polypeptide which comprises an amino acid sequence which is identical to the extent of at least 70 % to the amino acid sequence of SEQ ID No. 3, e) polynucleotide which is complementary to the polynucleotides of a) b), c) or d), and f) polynucleotide comprising at least 15 successive nucleotides of the polynucleotide sequences of a), b), c), d) or e) and a process for the fermentative preparation of L-amino acids using coryneform bacteria in which at least the metR gene and/or the metZ gene is present in attenuated form, and the use of polynucleotides which comprise the sequences according to the invention as hybridization probes.

IPC 1-7
C07K 14/34

IPC 8 full level
C07K 14/34 (2006.01); **C12N 9/88** (2006.01); **C12P 13/08** (2006.01); **C12P 13/12** (2006.01)

CPC (source: EP)
C07K 14/34 (2013.01); **C12N 9/88** (2013.01); **C12P 13/08** (2013.01); **C12P 13/12** (2013.01)

Citation (search report)
See references of WO 0218430A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0218430 A2 20020307; **WO 0218430 A3 20020704**; **WO 0218430 A8 20040304**; AU 8198401 A 20020313; EP 1313757 A2 20030528

DOCDB simple family (application)
EP 0108221 W 20010717; AU 8198401 A 20010717; EP 01960503 A 20010717