

Title (en)
MYCOBACTERIA VIRULENCE FACTORS AND A METHOD FOR THEIR IDENTIFICATION

Title (de)
MYKOBAKTERIEN VIRULENZ-FAKTOREN UND VERFAHREN ZUR IDENTIFIZIERUNG

Title (fr)
FACTEURS DE VIRULENCE DE MYCOBACTERIES ET PROCEDE POUR LEUR IDENTIFICATION

Publication
EP 0736098 A1 19961009 (EN)

Application
EP 95906122 A 19941223

Priority

- NZ 25058493 A 19931223
- US 9414912 W 19941223
- US 20188094 A 19940224
- US 26557994 A 19940624
- US 29269594 A 19940818

Abstract (en)
[origin: WO9517511A2] The present invention provides polynucleotides associated with virulence in mycobacteria, and particularly a fragment of DNA isolated from M. bovis that contains a region encoding a putative sigma factor. Also provided are methods for a DNA sequence or sequences associated with virulence determinants in mycobacteria, and particularly in M. tuberculosis and M. bovis. The invention also provides corresponding polynucleotides associated with avirulence in mycobacteria. In addition, the invention provides a method for producing strains with altered virulence or other properties which can themselves be used to identify and manipulate individual genes.

IPC 1-7
C12N 15/31; **C12N 15/74**; **A61K 39/04**; **C07K 14/35**; **C12Q 1/68**

IPC 8 full level
C12N 15/09 (2006.01); **A61K 39/04** (2006.01); **A61P 31/04** (2006.01); **A61P 31/06** (2006.01); **C07K 14/35** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/00** (2006.01); **C12N 15/31** (2006.01); **C12N 15/63** (2006.01); **C12N 15/74** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/53** (2006.01); **A61K 39/00** (2006.01); **C12R 1/32** (2006.01)

CPC (source: EP)
A61P 31/04 (2018.01); **A61P 31/06** (2018.01); **C07K 14/35** (2013.01); **C12N 15/74** (2013.01); **C12Q 1/68** (2013.01); **C12Q 1/689** (2013.01); **A61K 39/00** (2013.01)

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

DOCDB simple family (publication)
WO 9517511 A2 19950629; **WO 9517511 A3 19950727**; AU 1445895 A 19950710; CA 2179772 A1 19950629; EP 0736098 A1 19961009; JP H09510866 A 19971104; NZ 278270 A 19971219

DOCDB simple family (application)
US 9414912 W 19941223; AU 1445895 A 19941223; CA 2179772 A 19941223; EP 95906122 A 19941223; JP 51763495 A 19941223; NZ 27827094 A 19941223