

Title (en)  
COMPOSITIONS AND METHODS INVOLVING AN ESSENTIAL STAPHYLOCOCCUS AUREUS GENE AND ITS ENCODED PROTEIN STAAU-R4

Title (de)  
ZUSAMMENSTZUNGEN UND VERFAHREN MIT EINEM ESSENTIELLEN STAPHYLOCOCCUS AUREUS GEN UND KODIERTES PROTEIN STAAU-R4

Title (fr)  
COMPOSITIONS ET METHODES METTANT EN OEUVRE UN GENE ESSENTIEL DE STAPHYLOCOCCUS AUREUS ET PROTEINE CODEE STAAU R4 ASSOCIEE

Publication  
**EP 1345960 A2 20030924 (EN)**

Application  
**EP 01994577 A 20011219**

Priority  
• CA 0101847 W 20011219  
• US 25648900 P 20001220

Abstract (en)  
[origin: WO0250106A2] The invention relates to bacterial genes and proteins that are implicated in the process of fatty acid/phospholipid biosynthesis and also to bacteriophage genes and their protein products that interact with bacterial proteins implicated in fatty acid/phospholipid biosynthesis. More particularly, the invention relates to compositions and methods involving essential <i>Staphylococcus aureus</i> genes and its encoded proteins STAAU\_R4. In addition, the invention relates to screening assays to identify compounds which modulate the level and/or activity of STAAU\_R4 and to such compounds.

IPC 1-7  
**C07K 14/31**; **C12N 15/31**; **G01N 33/68**; **A61K 38/00**; **A61P 31/00**; **C12Q 1/68**; **C07K 16/12**

IPC 8 full level  
**G01N 33/50** (2006.01); **A61K 38/00** (2006.01); **A61K 45/00** (2006.01); **A61K 48/00** (2006.01); **A61P 31/00** (2006.01); **A61P 31/04** (2006.01); **C07K 14/005** (2006.01); **C07K 14/31** (2006.01); **C07K 16/12** (2006.01); **C12N 1/20** (2006.01); **C12N 15/09** (2006.01); **C12N 15/31** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/15** (2006.01); **G01N 33/53** (2006.01)

CPC (source: EP)  
**A61P 31/00** (2017.12); **A61P 31/04** (2017.12); **C07K 14/31** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)  
See references of WO 0250106A2

Citation (examination)  
• WO 0032825 A2 20000608 - PHAGETECH INC [CA], et al  
• JING LIU ET AL.: "Antimicrobial drug discovery through bacteriophage genomics", NATURE BIOTECHNOLOGY, vol. 22, no. 2, February 2004 (2004-02-01), pages 185 - 191, XP002318262, DOI: doi:10.1038/nbt932

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 0250106 A2 20020627**; **WO 0250106 A3 20021212**; AU 2002224692 B2 20070524; AU 2469202 A 20020701; CA 2433308 A1 20020627; EP 1345960 A2 20030924; JP 2004532612 A 20041028

DOCDB simple family (application)  
**CA 0101847 W 20011219**; AU 2002224692 A 20011219; AU 2469202 A 20011219; CA 2433308 A 20011219; EP 01994577 A 20011219; JP 2002551999 A 20011219