Title (en)

INFECTIOUS CLONES OF TORQUE TENO VIRUS

Title (de)

INFEKTIÖSE KLONE DES TORQUE-TENO-VIRUS

Title (fr)

CLONES INFECTIEUX DE TORQUE TENO VIRUS

Publication

EP 2488185 A4 20130605 (EN)

Application

EP 10823754 A 20100416

Priority

- US 2009005662 W 20091016
- US 2010031373 W 20100416

Abstract (en)

[origin: WO2011046634A1] The present invention is directed to novel nucleotide and amino acid sequences of Torque teno virus ("TTV"), including novel genotypes thereof, all of which are useful in the preparation of vaccines for treating and preventing diseases in swine and other animals. Vaccines provided according to the practice of the invention are effective against multiple swine TTV genotypes and isolates. Diagnostic and therapeutic polyclonal and monoclonal antibodies are also a feature of the present invention, as are infectious clones useful in the propagation of the virus and in the preparation of vaccines. Particularly important aspects of the invention include vaccines that provide TTV ORF1 protein, or peptide fragments thereof, as antigen.

IPC 8 full level

C07K 14/01 (2006.01); **A61K 39/12** (2006.01)

CPC (source: EP)

A61K 31/7052 (2013.01); **A61P 3/00** (2017.12); **A61P 11/00** (2017.12); **C07K 14/005** (2013.01); **C07K 16/081** (2013.01); **C12N 7/00** (2013.01); A61K 2039/525 (2013.01); A61K 2039/53 (2013.01); C12N 2750/10021 (2013.01); C12N 2750/10022 (2013.01)

Citation (search report)

- [EL] WO 2010044889 A2 20100422 - PFIZER [US], et al
- [Y] WO 0066621 A1 20001109 - TRIPEP AB [SE], et al
- [Y] US 2007041989 A1 20070222 - JESTIN ANDRE [FR], et al
- [XYI] DATABASE EMBL [online] 11 February 2005 (2005-02-11), NIEL C. ET AL.: "Torque teno sus virus 2 isolate 1p, complete genome", XP002580428, Database accession no. AY823990
- [XI] DATABASE EMBL [online] 11 February 2005 (2005-02-11), NIEL C. ET AL.: "Torque teno virus isolate 2p, complete genome", XP002580429, Database accession no. AY823991
- [XI] DATABASE EMBL [online] 11 February 2006 (2006-02-11), KEKARAINEN T. ET AL.: "Torque teno virus isolate Sd-TTV629/04 noncoding region, partial sequence", XP002580430, Database accession no. DQ229863
- [XI] DATABASE EMBL [online] 22 June 2008 (2008-06-22), YIN H. ET AL.: "Torque teno virus isolate GD2-2 ORF3 gene, complete cds; and ORF1 and ORF2 genes, partial cds.", XP002580431, Database accession no. EU753361
- [A] NIEL CHRISTIAN ET AL: "Rolling-circle amplification of Torque teno virus (TTV) complete genomes from human and swine sera and identification of a novel swine TTV genogroup.", THE JOURNAL OF GENERAL VIROLOGY, vol. 86, no. Pt 5, May 2005 (2005-05-01), pages 1343 - 1347, XP002580432, ISSN: 0022-1317
- See references of WO 2011046634A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2011046634 A1 20110421; AU 2010307250 A1 20120412; AU 2010307250 B2 20130926; CA 2775277 A1 20110421; CN 102655871 A 20120905; CN 103865955 A 20140618; EP 2488185 A1 20120822; EP 2488185 A4 20130605; JP 2013507918 A 20130307; MX 2012004448 A 20120508

DOCDB simple family (application)

US 2010031373 W 20100416; AU 2010307250 A 20100416; CA 2775277 A 20100416; CN 201080056676 A 20100416; CN 201410083534 A 20100416; EP 10823754 A 20100416; JP 2012534181 A 20100416; MX 2012004448 A 20100416