

Title (en)

PPR PEPTIDE SEQUENCES CAPABLE OF RESTORING MALE FERTILITY OF PLANTS BEARING A MALE STERILITY-INDUCING CYTOPLASM

Title (de)

PEPTIDISCHE PPR SEQUENZEN, DIE IN DER LAGE SIND, DIE MÄNNLICHE STERILITÄT VON PFLANZEN, DIE EINEN CYTOPLASMATISCHEN INDUKTOR DER MÄNNLICHEN STERILITÄT TRAGEN, WIEDER HERZUSTELLEN

Title (fr)

SEQUENCES PEPTIDIQUES PPR CAPABLES DE RESTAURER LA FERTILITE MALE DE PLANTES PORTEUSES D UN CYTOPLASME INDUCTEUR DE STERILITE MALE

Publication

EP 1556495 A1 20050727 (FR)

Application

EP 03780246 A 20031029

Priority

- FR 0303224 W 20031029
- FR 0213512 A 20021029

Abstract (en)

[origin: WO2004039988A1] The invention concerns PPR peptide sequences capable of restoring male fertility of plants bearing a male sterility-inducing cytoplasm, nucleotide sequences encoding said peptides and a method for obtaining fertile male plants, and male plants obtained by said method.

IPC 1-7

C12N 15/82; **C12N 15/11**; **C12N 5/10**; **C12Q 1/68**; **C07K 14/415**; **A01H 5/00**; **A01H 5/10**

IPC 8 full level

C07K 14/415 (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP)

C07K 14/415 (2013.01); **C12N 15/8289** (2013.01)

Citation (search report)

See references of WO 2004039988A1

Citation (examination)

- EP 1382612 A1 20040121 - MITSUBISHI CHEM CORP [JP]
- WISE ROGER P ET AL: "Nuclear-mediated mitochondrial gene regulation and male fertility in higher plants: Light at the end of the tunnel?", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 99, no. 16, 6 August 2002 (2002-08-06), pages 10240 - 10242, ISSN: 0027-8424
- VAN GYSEL ANN ET AL: "Chromosome landing using an AFLP-based strategy", METHODS IN MOLECULAR BIOLOGY; ARABIDOPSIS PROTOCOLS HUMANA PRESS INC. {A}, SUITE 808, 999 RIVERVIEW DRIVE, TOTOWA, NEW JERSEY 07512, USA SERIES : METHODS IN MOLECULAR BIOLOGY (ISSN 0097-0816), 1998, pages 305 - 314, XP009133414, ISSN: 0-89603-391-0
- TANKSLEY S D ET AL: "Chromosome landing: a paradigm for map-based gene cloning in plants with large genomes", TRENDS IN GENETICS, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL LNKD- DOI:10.1016/S0168-9525(00)88999-4, vol. 11, no. 2, 1 February 1995 (1995-02-01), pages 63 - 68, XP004207296, ISSN: 0168-9525
- KOIZUKI N ET AL: "GENETIC ANALYSIS OF FERTILITY RESTORATION AND ACCUMULATION OF ORF125 MITOCHONDRIAL PROTEIN IN THE KOSENA RADISH (TAPHANUS SATIVUS CV.KOSENA) AND A BRASSICA NAPUS RESTORER LINE", THEORY OF APPLIED GENETICS, NEW YORK, NY, US, vol. 100, 1 January 2000 (2000-01-01), pages 949 - 955, XP002311888
- KRISTIN E. BETT: "Genome Analysis and Genetic Mapping of Restorer loci in Raphanus", 2001, Retrieved from the Internet <URL:http://library2.usask.ca/theses/available/etd-10212004-002524/unrestricted/NQ63844.pdf> [retrieved on 20100517]
- BARNES STEPHEN: "Comparing Arabidopsis to other flowering plants", CURRENT OPINION IN PLANT BIOLOGY, vol. 5, no. 2, April 2002 (2002-04-01), pages 128 - 133, ISSN: 1369-5266

Cited by

EP1532252A4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004039988 A1 20040513; **WO 2004039988 A9 20040722**; **WO 2004039988 A9 20050407**; AU 2003288341 A1 20040525; CA 2503837 A1 20040513; EP 1556495 A1 20050727

DOCDB simple family (application)

FR 0303224 W 20031029; AU 2003288341 A 20031029; CA 2503837 A 20031029; EP 03780246 A 20031029