

Title (en)

ARTIFICIAL GENES FOR USE AS CONTROLS IN GENE EXPRESSION ANALYSIS SYSTEMS

Title (de)

KÜNSTLICHE GENE ZUR VERWENDUNG ALS KONTROLLEN IN GENEXPRESSIONSANALYSESYSTEMEN

Title (fr)

GENES ARTIFICIELS UTILISES COMME TEMOINS DANS DES SYSTEMES D'ANALYSE DE L'EXPRESSION GENIQUE

Publication

EP 1490512 A4 20051005 (EN)

Application

EP 02803968 A 20021023

Priority

- US 0234001 W 20021023
- US 33511501 P 20011024
- US 14054502 A 20020507
- US 39136702 P 20020625

Abstract (en)

[origin: WO03046126A2] Method of producing universal controls for use in gene expression analysis systems such as macroarrays, real-time PCR, northern blots, SAGE and microarrays. The controls are generated either from near-random sequence of DNA, or from intergenic or intronic regions of a genome. Twenty-three specific control sequences are also disclosed. Also presented are methods of using these controls, including as negative controls, positive controls, and as calibrators of a gene expression analysis system.

IPC 1-7

C12Q 1/68; **C12P 19/34**; **C07H 21/02**; **C07H 21/04**

IPC 8 full level

C12N 15/09 (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP)

C12Q 1/6809 (2013.01); **C12Q 1/6837** (2013.01); **C12Q 1/6851** (2013.01)

C-Set (source: EP)

1. **C12Q 1/6809** + **C12Q 2545/101**
2. **C12Q 1/6837** + **C12Q 2545/101**

Citation (search report)

- [T] WO 02090516 A2 20021114 - AMERSHAM BIOSCIENCES CORP [US]
- [X] WO 0073334 A2 20001207 - INCYTE GENOMICS INC [US], et al
- [A] US 6040138 A 20000321 - LOCKHART DAVID J [US], et al
- [X] RUAN Y ET AL: "TOWARDS ARABIDOPSIS GENOME ANALYSIS: MONITORING EXPRESSION PROFILES OF 1400 GENES USING CDNA MICROARRAYS", PLANT JOURNAL, BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD, GB, vol. 15, no. 6, September 1998 (1998-09-01), pages 821 - 833, XP000960486, ISSN: 0960-7412
- See references of WO 03046126A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03046126 A2 20030605; **WO 03046126 A3 20040930**; AU 2002365032 A1 20030610; AU 2002365032 A8 20030610; CA 2464839 A1 20030605; EP 1490512 A2 20041229; EP 1490512 A4 20051005; JP 2005511036 A 20050428

DOCDB simple family (application)

US 0234001 W 20021023; AU 2002365032 A 20021023; CA 2464839 A 20021023; EP 02803968 A 20021023; JP 2003547561 A 20021023