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(54) Title: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING CHROMOSOME-18P RELATED DISORDERS

(57) Abstract: The present invention relates to the mammalian HKNG1, GNKH and TS genes, genes associated with bipolar affective disorder (BAD) in humans. The invention relates, in particular, to methods for the diagnostic evaluation, genetic testing and prognosis of HKNG1, GNKH, and TS neuropsychiatric disorders including schizophrenia, attention deficit disorder, a schizoaffective disorder, a bipolar affective disorder or a unipolar affective disorder.



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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/00 C07K14/47 C12N15/12 C12N15/63 C12N5/10
C07K16/18 C12Q1/68 A61K38/17 A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, EMBASE, LIFESCIENCES, SCISEARCH, SEQUENCE SEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 47535 A (CHEN HONG ;UNIV CALIFORNIA (US); FREIMER NELSON B (US); MILLENNIUM) 23 September 1999 (1999-09-23) the whole document	1-42
Y	YOSHIKAWA T ET AL: "ISOLATION OF CHROMOSOME 18-SPECIFIC BRAIN TRANSCRIPTS AS POSITIONALCANDIDATES FOR BIPOLAR DISORDER" AMERICAN JOURNAL OF MEDICAL GENETICS, NEW YORK,NY, US, vol. 74, no. 2, 18 April 1997 (1997-04-18), pages 140-149, XP001008133 page 143 -page 146	1-42

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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ROJAS K ET AL: "Identification of candidate genes for psychiatric disorders on 18p11." MOLECULAR PSYCHIATRY, vol. 5, no. 4, July 2000 (2000-07), pages 389-395, XP001061966 ISSN: 1359-4184 the whole document -----	1-42

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9947535	A	23-09-1999	AU 3354999 A 11-10-1999
		CA 2323830 A1 23-09-1999	
		EP 1064295 A1 03-01-2001	
		WO 9947535 A1 23-09-1999	
		US 6342351 B1 29-01-2002	
