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(54) Title: GPR101 TRANSGENIC MICE, USES THEREOF AND SCREENING METHODS

(57) Abstract: Transgenic animals comprising a disruption in the endogenous GPR101 gene are disclosed, as well as methods of producing such transgenic animals. Also disclosed are methods of identifying compounds that modulate GPR101 receptor proteins for the treatment of diseases related to energy metabolism, including obesity, metabolic syndrome, dyslipidemia, insulin resistance syndrome, type diabetes, anorexia nervosa and cachexia.



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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2011/060727

A. CLASSIFICATION OF SUBJECT MATTER

INV. G01N33/566 C07K14/72 C12N15/85 A01K67/027
ADD.

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)

G01N

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 practicable, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2009/142724 A2 (BETH ISRAEL HOSPITAL [US]; LOWELL BRADFORD B [US]; DHILLON HARVEEN [US] 26 November 2009 (2009-11-26) cited in the application the whole document page 11, lines 20-23 -----	1-10
X	WO 2007/142979 A2 (ARENA PHARM INC [US]; BAGNOL DIDIER [US]) 13 December 2007 (2007-12-13) the whole document claims 1-22, 52-62 -----	1-10
X	US 2006/123502 A1 (MURPHY ANDREW J [US] ET AL) 8 June 2006 (2006-06-08) the whole document paragraphs [0009] - [0011], [0013] claims 1-10 -----	1-10



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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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Date of the actual completion of the international search

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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
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