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US 60/280,395 (CON)
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(54) Title: TRANSGENIC MICE CONTAINING ABC TRANSPORTER-LIKE APTASE GENE DISRUPTIONS

(57) Abstract: The present invention relates to transgenic animals, as well as compositions and methods relating to the characterization of gene function. Specifically, the present invention provides transgenic mice comprising mutations in an ABC transporter-like ATPase gene. Such transgenic mice are useful as models for disease and for identifying agents that modulate gene expression and gene function, and as potential treatments for various disease states and disease conditions.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/09762

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : G01N 33/00; A01K 67/027; C12N 15/00
 US CL : 800/3,18,22
 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)
 U.S. : 800/3,18,22

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)
 STN: EMBASE BIOSIS CAPLUS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KOZAK et al. Elf1p, a Member of the ABC Class of ATPases, Functions as a mRNA Export Factor in Schizosacchomyces pombe. The Journal of Biological Chemistry. September 13, 2002, Vol 277, No.37, pages 33580-33589.	1-26
A	SUN et al. ABCR, the ATP-binding Cassette Transporter Responsible for Stargardt Macular Dystrophy, Is an Efficient Target of All-trans-retinal-mediated Photooxidative Damage in Vitro. The Journal of Biological Chemistry. April 13, 2001. Vol 276, No. 15, pages 11766-11774.	1-26

Further documents are listed in the continuation of Box C. See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>
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