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(54) Title: METHODS OF USING SINGLE NUCLEOTIDE POLYMORPHISMS IN THE TL1A GENE TO PREDICT OR DIAGNOSE INFLAMMATORY BOWEL DISEASE

(57) Abstract: This invention provides methods of diagnosing or predicting susceptibility to Inflammatory Bowel Disease by determining the presence or absence of genetic variants in the TL1A gene. In one embodiment, a method of the invention is practiced by determining the presence or absence of TL1A production following Fc-gamma-R activation. In another embodiment, the invention provides methods of treatment of inflammatory bowel disease by inhibition of TL1A.
INTERNATIONAL SEARCH REPORT

International application No
PCT/US08/55020

A CLASSIFICATION OF SUBJECT MATTER

iPC C12Q 1/68( 2006 01),C12M 1/34( 2006 01),C12N 15/00( 2006 01),A01N 43/04( 2006 01)

USPC 435/6,435/287 2,800/2 1 5/4/44

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 435/6 435/287 2, 800/2 1, 5/4/44

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)
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C DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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<tbody>
<tr>
<td>X</td>
<td>Yamazaki et al Single nucleotide polymorphism in TNFSF 15 confer susceptibility to Crohn's disease 2005 Human Molecular Genetics Vol 14 p 3499-3506, especially abstract, p 3499-3500, 3504</td>
<td>1, 3-8, 10-16, 30-31, 33</td>
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<td>Y</td>
<td>Wen et al TLI A-induced NF-B Activation and C-IAP2 production prevent DR3-mediated apoptosis in TF-1 Cells The Journal of Biological Chemistry 2005 VOI 278 p 3925 1 39258 especially abstract 39252</td>
<td>2, 9, 32</td>
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Continuation of B. FIELDS SEARCHED Item 3:
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Search terms: Crohn TNSFSF 15 nucleic acid antibody