Bioinformatics Research: An Introduction to NCBI Tools

Dana Abbey
National Network of Libraries of Medicine, Midcontinental Region
University of Colorado at Denver and Health Sciences Center-
Denison Memorial Library
dana.abbey@uchsc.edu
Evolutionary Biology

Pasteurella multocida

Taxonomy ID: 747
Rank: species
Genetic code: Translation table 11 (Bacterial and Plant Plastid)
Other names:
- synonym: Pasteurella gallicida
- synonym: "Micrococcus gallicidus" Burrill 1883
- synonym: Micrococcus gallicidus
- synonym: Pasteurella gallicida (Burrill 1883) Buchanan 1925
- synonym: "Bacterium multocidum" Lehmann and Neumann 1899
- synonym: Bacterium multocidum
- synonym: "Pasteurella cholerae-gallinarum" Trevisan 1887
- synonym: Pasteurella cholerae-gallinarum
- synonym: Pasteurella multocida (Lehmann and Neumann 1899) Rosenbusch and Merchant 1939 (AL 1980)

Lineage (full)
- cellular organisms
- Bacteria
- Proteobacteria
- Gammaproteobacteria
- Pasteurellales
- Pasteurellaceae
- Pasteurella

Protein Modeling

Genome Mapping

Homo sapiens  Build 35.1
Chromosome: 1 [2 ] 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 X Y MT

Master Map: Genes On Sequence
Region Displayed: 0-243M bp

<table>
<thead>
<tr>
<th>Symbol</th>
<th>LinkOut</th>
<th>E</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cig5</td>
<td>OMIM sv pr dl ev nm hm cdds</td>
<td>C</td>
<td>2p25.2</td>
</tr>
<tr>
<td>PFN4</td>
<td>OMIM sv pr dl ev nm hm</td>
<td>C</td>
<td>2p23.3</td>
</tr>
<tr>
<td>FEZ2</td>
<td>OMIM sv pr dl ev nm hm</td>
<td>C</td>
<td>2p21</td>
</tr>
<tr>
<td>MSH2</td>
<td>OMIM sv pr dl ev nm hm cdds</td>
<td>C</td>
<td>2p22-p21</td>
</tr>
<tr>
<td>ETAA16</td>
<td>OMIM sv pr dl ev nm cdds</td>
<td>C</td>
<td>2p13-p15</td>
</tr>
<tr>
<td>DUSP11</td>
<td>OMIM sv pr dl ev nm cdds</td>
<td>C</td>
<td>2p13.1</td>
</tr>
<tr>
<td>GNLY</td>
<td>OMIM sv pr dl ev nm cdds</td>
<td>C</td>
<td>2p12-q11</td>
</tr>
<tr>
<td>IGKV1-9</td>
<td>sv dl ev nm</td>
<td>C</td>
<td>2p12</td>
</tr>
<tr>
<td>FLJ10081</td>
<td>sv pr dl ev nm</td>
<td>C</td>
<td>2p12-p11.2</td>
</tr>
<tr>
<td>MGC5509</td>
<td>sv pr dl ev nm hm cdds</td>
<td>C</td>
<td>2p12.1</td>
</tr>
<tr>
<td>ACTR3</td>
<td>OMIM sv pr dl ev nm hm</td>
<td>C</td>
<td>2p14.1</td>
</tr>
<tr>
<td>MGC50273</td>
<td>sv pr dl ev nm cdds</td>
<td>C</td>
<td>2p21</td>
</tr>
<tr>
<td>UPP2</td>
<td>sv pr dl ev nm hm cdds</td>
<td>C</td>
<td>2p24.1</td>
</tr>
</tbody>
</table>

Online Mendelian Inheritance in Man

![Image of a genetic map and gene symbols]

[Table of gene symbols and descriptions]

[Hyperlink to NCBI Entrez query]

Bioinformatics Support Network (BSN) Member List
revised September 1, 2005

Purpose
The purpose of the Bioinformatics Support Network (BSN) is to provide a network for communication and continuing education in the area of molecular biology and genomic information resources among bioinformatics support staff based in academic libraries.

Membership
Members of the BSN include developers and participants of the NCBI Advanced Workshop for Bioinformatics Information Specialists (NAWBIS). A BSN mailing list is available for communication among members. You can modify your listserv settings through the mailing list web page, using your username and password. Group photos are available for the NAWBIS developers and class of 2002. Individual photos, when available, are linked to the member names below. All photos open in a separate window.

Update Your Listing
To update your listing, please send your new contact information to Renata Geer.

Member List
(the "at sign" has been replaced with "XX" in the list below to prevent unwanted use of e-mail addresses)
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Research Grants In Biomedical Informatics And Bioinformatics

Introduction
PAR Number: PAR-04-141
Release Date: 06-13-2004
Expiration Date: 11-02-2007, unless reissued

Scope and Priorities
Purpose
The purpose of this program announcement is to reissue and update the National Library of Medicine's research grant program for biomedical informatics and bioinformatics. NLM's research funding centers on understanding data, information and knowledge – their nature, forms and uses – in the domains of health care and basic biological sciences.

Research Objectives
NLM defines biomedical informatics as the intersection of basic informational and computing sciences with an application domain in biomedicine, as discussed in the work of the American College of Medical Informatics referenced below. The term biomedical informatics encompasses the closely-aligned field of bioinformatics, which can be defined as the intersection of basic informational and computer sciences with an application domain in biological/biochemical sciences. NLM's research focuses on management and efficient utilization of data, information and knowledge in health care and basic biomedical sciences.

In clinical medicine, health services administration, education and basic biomedical sciences, computers and networks are fundamental tools of discovery, learning, decision making and management. NLM's biomedical informatics research grants support the study of how information is best captured, represented, stored, retrieved, manipulated, managed and disseminated for use in these kinds of activities.