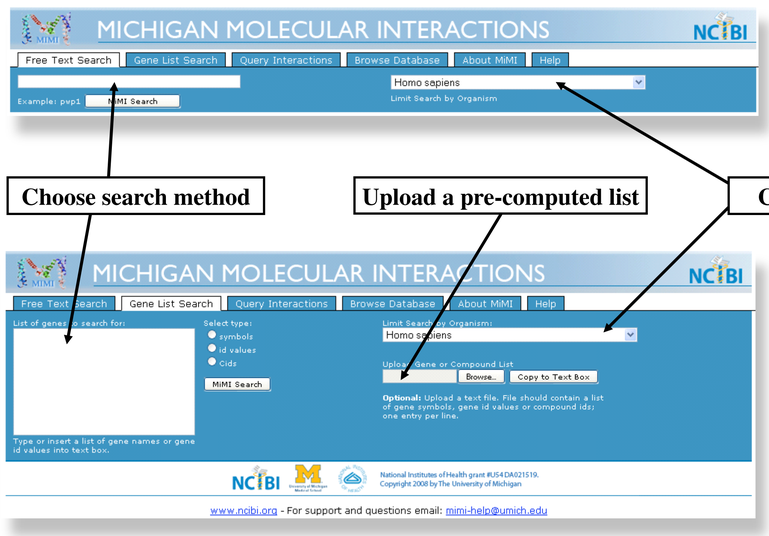
MimiWeb: Bringing Biological Data to the Web

V. G. Tarcea, T. Weymouth, Z. Wright, A. Bookvich, B. Mirel, H.V.Jagadish

National Center for Integrative Biomedical Informatics and the Center for Computational Medicine and Bioinformatics, University of Michigan, Ann Arbor, MI

Flexible Searching

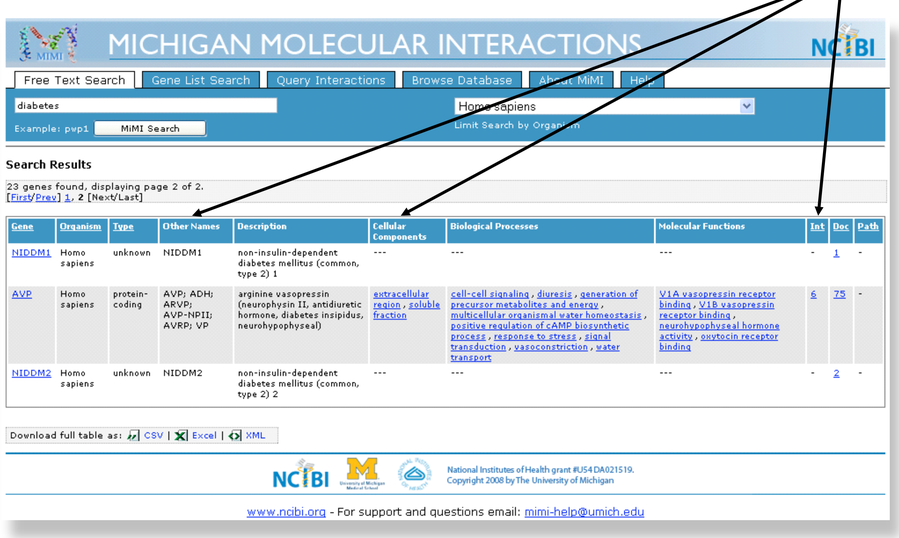
MimiWeb allows the user to choose their style of searching, either using a free text "Google" like search facility, or directly entering in a list of known values.



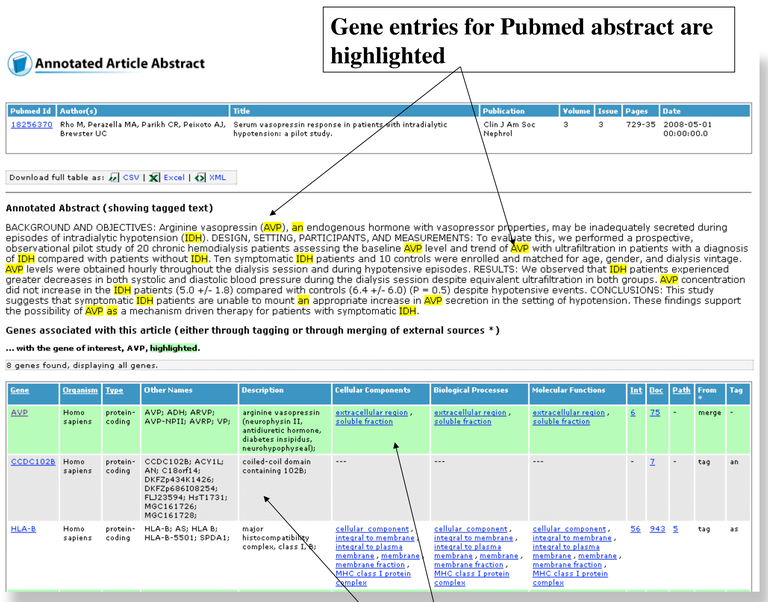
Results at a glance

Search results are summarized to present to the user the key attributes. The attributes displayed were discovered by conducting user studies focused on making MimiWeb easy to use and understand.

Users studies helped us to identify what to display and how to display it.



Gene entries for Pubmed abstract are highlighted

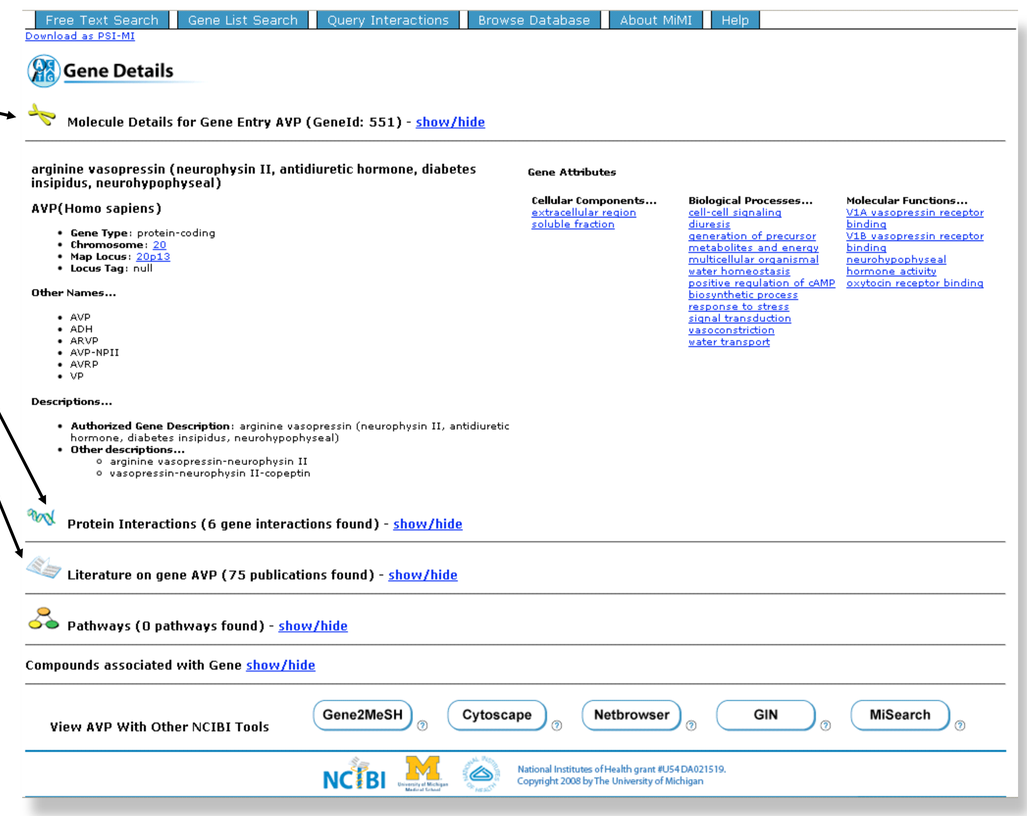


Original Gene and other genes in Pubmed entry.

Detail pages

MimiWeb contains details on genes, interactions, metabolomics, pathways

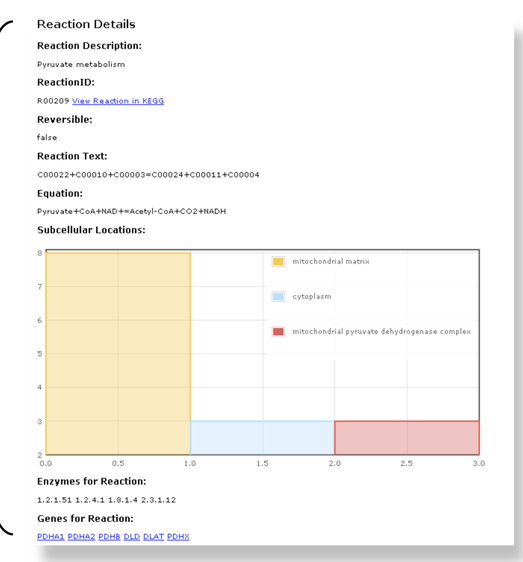
Separate sections keep page from becoming cluttered and allow user to focus on the details they are most interested in.



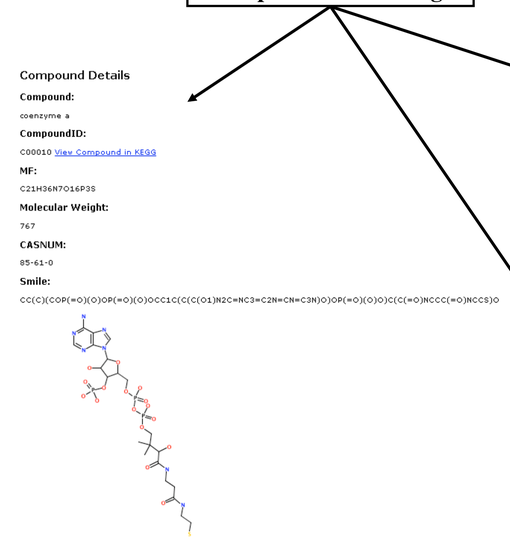
Metabolomics

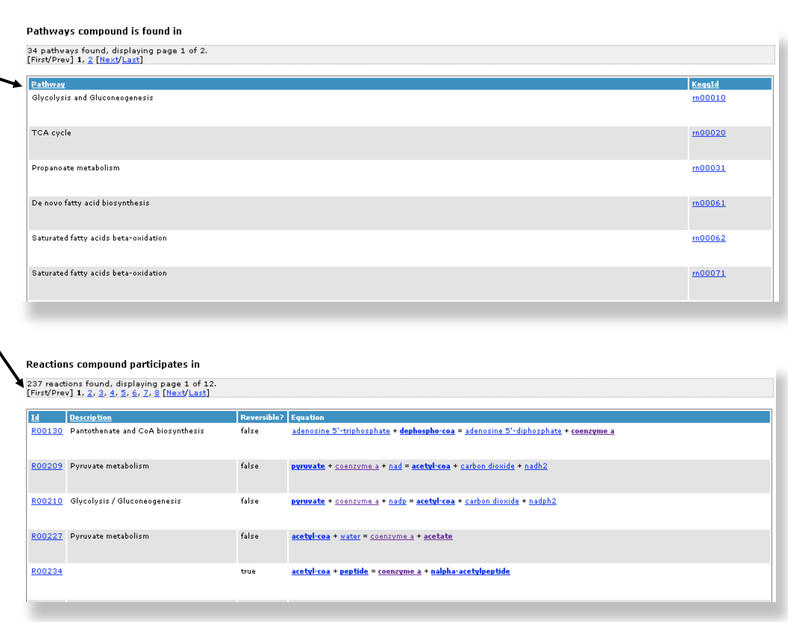
New Metabolomics data (in Beta) adds compounds and reactions, and ties them back to pathways and molecules.

Sections from the Reaction details page



The 3 sections of the Compound Details Page





Acknowledgements

This work was supported by National Institutes of Health: Grant #U54 DA021519