

The JGI Times – Portal 6.0 Released!!

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March 22, 2011

ACKNOWLEDGMENTS:

The work conducted by the U.S. Department of Energy Joint Genome Institute is supported by the Office of Science of the U.S. Department of Energy under Contract No. DE-AC02-05CH11231.

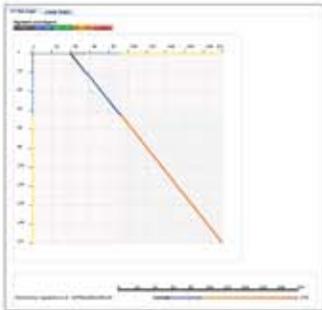
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PORTAL 6.0 RELEASED!!!

Users feeling the BLAST

After 6 months of secret underground tests, the JGI has responded to user demands for a powerful new BLAST tool. BLAST 6.0 allows you to query across multiple organisms, monitor your jobs in real time, and get results at lightning speeds.

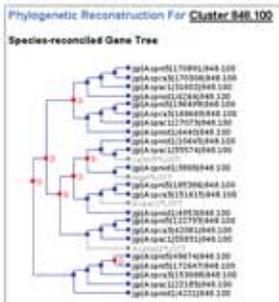


BLAST HIT DETAILS

Plus, you can do more with your hits: get ClustalW alignments, see PFAM domain information, view detailed alignment graphs of your HSPs, and export your results in Excel and FASTA formats.

Your Family Tree

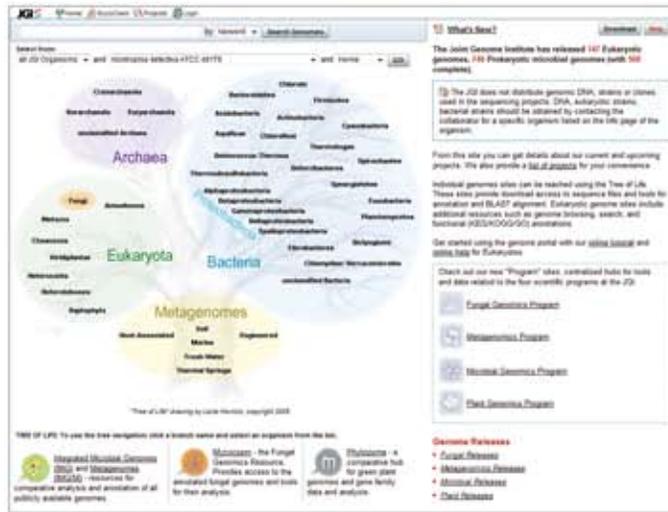
Love the portal Clusters tool for exploring protein families? Then you'll really dig the new Phylogenetic Reconstruction feature that draws a species-reconciled gene tree of your cluster!



PROTEIN FAMILY TREE

Check out Genome Portal 6.0 here:

genome.jgi-psf.org



GENOME PORTAL 6.0

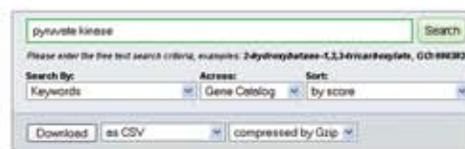
New JGI Genome Portal Unveiled

The hotly anticipated new JGI Genome Portal hit the streets on March 13, 2011. Portal 6.0 is packed with features, including new BLAST and gene search tools, tighter integration with VISTA and JGI Program Sites, and an increased emphasis on comparative genomics with genome "Groups".

Microbiologist Mike Cantor, 37, was one of the investigators who camped out at the JGI in anticipation of the release. "What, it's just a web-site? What am I doing here??" he was heard to exclaim when told that the portal is freely available to anyone with a browser.

Search is on for Missing Genes

New and improved Gene Search allows you to easily search for proteins and transcripts by keywords, id, and functional classifications such as GO, KEGG, and InterPro domains. Search within a single genome or across a genome "Group". A wealth of information is at your fingertips with each hit, and best of all, with a new indexing engine under the hood, Search is faster than ever.



GENE SEARCH

Portal, VISTA Hold High-Level Talks

In Portal 5.0, the Vista Synteny Viewer, an innovative new browser for whole-genome alignments, made its debut on the Genome Portal. Now, in Portal 6.0, VISTA alignment tools are even more deeply integrated with the portal. From within an organism portal, you can view VISTA alignments using three connected tools: The Synteny Viewer, VistaDot, the dynamic dot plot viewer, and VistaPoint, which drills into an alignment to provide detailed information about High-Scoring Pairs.

MycCosm Reveals a World of Fungi

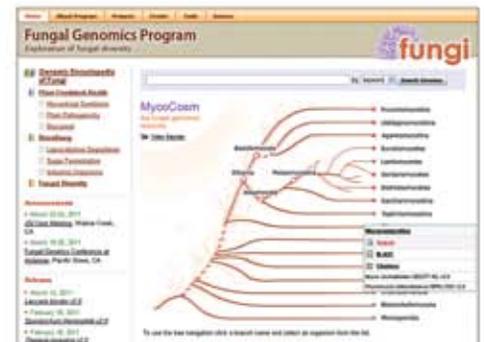
MycCosm, one of four JGI "Program Sites" serves as a central hub for all things fungal. Each node on the MycCosm tree provides fast access to "Group" portals, where you can apply portal tools to all genomes in the corresponding fungal taxa.

The JGI also offers program sites for Plant Genomics, Metagenomics and Microbial Genomics Programs.

It's a "Group" Thing

Given the dramatic scale-up in the number of sequencing projects at the JGI, scientists are shifting their focus from single genomes to comparative genomics. Portal 6.0 introduces the "Group" portal, in which your favorite portal tools can be applied to groups of related genomes.

Portal tools available on Group Portals include BLAST, Gene Search, Clusters, and Download.



MYCOCOSM