MycoCosm
RRID:SCR_005312
Type: Tool

Proper Citation

MycoCosm (RRID:SCR_005312)

Resource Information

URL: http://genome.jgi.doe.gov/programs/fungi/index.jsf

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Description: Fungal genomics database and interactive analytical tools that integrates all fungal genomes for diverse fungi that are important for energy and environment, the focus of the JGI Fungal program. It integrates genomics data from the DOE JGI and its users and promotes user community participation in data submission, annotation and analysis. Over 100 newly sequenced and annotated fungal genomes from JGI and elsewhere are available to the public through MycoCosm, and new annotated genomes are being added to this resource upon completion of annotation. MycoCosm offers web-based genome analysis tools for fungal biologists to "navigate" through sequenced genomes and explore them in the context of "genome-centric" and "comparative views".

Abbreviations: MycoCosm

Synonyms: MycoCosm - the fungal genomics resource

Resource Type: storage service resource, database, analysis service resource, service resource, data or information resource, data repository, production service resource, data analysis service

Defining Citation: PMID:24297253, PMID:22110030

Keywords: gene, genome, geneome map, jgi, fungus, genomics, energy, environment, annotation, FASEB list

Funding Agency: DOE

Availability: Public, Acknowledgement requested, The community can contribute to this
Resource

**Resource Name:** MycoCosm

**Resource ID:** SCR_005312

**Alternate IDs:** nlx_144366, OMICS_01657

**Old URLs:** http://jgi.doe.gov/fungi

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**Ratings and Alerts**

No rating or validation information has been found for MycoCosm.

No alerts have been found for MycoCosm.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 188 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID.


Urquhart AS, et al. (2023) A Polyphasic Approach including Whole Genome Sequencing Reveals Paecilomyces paravariotii sp. nov. as a Cryptic Sister Species to P. variotii. Journal of fungi (Basel, Switzerland), 9(3).


Malar C M, et al. (2022) Early branching arbuscular mycorrhizal fungus Paraglomus occultum carries a small and repeat-poor genome compared to relatives in the Glomeromycotina. Microbial genomics, 8(4).


Buijs VA, et al. (2022) Enemy or ally: a genomic approach to elucidate the lifestyle of Phyllosticta citrichinaensis. G3 (Bethesda, Md.), 12(5).


Yin CM, et al. (2022) A secreted ribonuclease effector from Verticillium dahliae localizes in the plant nucleus to modulate host immunity. Molecular plant pathology, 23(8), 1122.


Anthony MA, et al. (2022) Forest tree growth is linked to mycorrhizal fungal composition and function across Europe. The ISME journal, 16(5), 1327.

Ramdass AC, et al. (2022) Detection and diversity of the mannosylerythritol lipid (MEL) gene cluster and lipase A and B genes of Moesziomyces antarcticus isolated from terrestrial sites chronically contaminated with crude oil in Trinidad. BMC microbiology, 22(1), 43.