

Resource Summary Report

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DOE Joint Genome Institute

RRID:SCR_003045

Type: Tool

Proper Citation

DOE Joint Genome Institute (RRID:SCR_003045)

Resource Information

URL: <http://www.jgi.doe.gov/>

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Description: Institute to advance genomics in support of the DOE missions related to clean energy generation and environmental characterization and cleanup. Supported by the DOE Office of Science, the DOE JGI unites the expertise at Lawrence Berkeley National Laboratory, Lawrence Livermore National Laboratory, and the HudsonAlpha Institute for Biotechnology. The facility provides integrated high-throughput sequencing and computational analysis that enable systems-based scientific approaches to these challenges.

Abbreviations: DOE JGI, JGI,

Synonyms: DOE Joint Genome Institute - Enabling Advances in Bioenergy & Environmental Research, Department of Energy Joint Genome Institute, Joint Genome Institute

Resource Type: organization portal, data or information resource, portal

Keywords: genomics, sequencing, computational analysis, clean energy, environment, biotechnology, nucleotide sequence, protein, genome, bacteria, microorganism, fungal colony, fungal community, dna, phenotype, molecular biology, life science, genomics, genetics, nature, nurture, ecology, bioenergetics, high-throughput sequencing

Funding: DOE

Availability: Free, Freely available

Resource Name: DOE Joint Genome Institute

Resource ID: SCR_003045

Alternate IDs: nif-0000-30425

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260803T040352+0000

Ratings and Alerts

No rating or validation information has been found for DOE Joint Genome Institute.

No alerts have been found for DOE Joint Genome Institute.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 689 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Guo Y, et al. (2025) Identification of a Biosynthetic Gene Cluster for the Production of the Blue-Green Pigment Xylindein by the Fungus *Chlorociboria aeruginascens*. *Journal of natural products*, 88(2), 233.

Merk LN, et al. (2025) Presence of group II introns in phage genomes. *Nucleic acids research*, 53(15).

LaPorte MF, et al. (2025) AlgaeOrtho, a bioinformatics tool for processing ortholog inference results in algae. *Frontiers in microbiology*, 16, 1541898.

??mon J, et al. (2025) A non-canonical fungal peroxisome PTS-1 signal, SYM, and its evolutionary aspects. *Scientific reports*, 15(1), 28088.

Reyes C, et al. (2025) Siderophores and secondary metabolites produced by *Ganoderma adspersum*. *Microbiology (Reading, England)*, 171(11).

Merk LN, et al. (2025) Prevalence of Group II Introns in Phage Genomes. *bioRxiv : the preprint server for biology*.

Piot A, et al. (2025) Exon disruptive variants in *Populus trichocarpa* associated with wood properties exhibit distinct gene expression patterns. *The plant genome*, 18(1), e20541.

Jonca J, et al. (2024) Comprehensive phenomic and genomic studies of the species, *Pectobacterium cacticida* and proposal for reclassification as *Alcorniella cacticida* comb. nov. *Frontiers in plant science*, 15, 1323790.

Cong Z, et al. (2024) Genome Mining of Fungal Unique Trichodiene Synthase-like Sesquiterpene Synthases. *Journal of fungi (Basel, Switzerland)*, 10(5).

Sheng H, et al. (2024) A conserved oomycete effector RxLR23 triggers plant defense responses by targeting ERD15La to release NbNAC68. *Nature communications*, 15(1), 6336.

Wang Z, et al. (2024) A novel and ubiquitous miRNA-involved regulatory module ensures precise phosphorylation of RNA polymerase II and proper transcription. *PLoS pathogens*, 20(4), e1012138.

Zhang X, et al. (2024) Genomic Localization Bias of Secondary Metabolite Gene Clusters and Association with Histone Modifications in *Aspergillus*. *Genome biology and evolution*, 16(11).

Borowska-Beszta M, et al. (2024) Comparative genomics, pangenomics, and phenomic studies of *Pectobacterium betavascularum* strains isolated from sugar beet, potato, sunflower, and artichoke: insights into pathogenicity, virulence determinants, and adaptation to the host plant. *Frontiers in plant science*, 15, 1352318.

Qiu C, et al. (2024) Positive selection and functional diversification of transcription factor Cmr1 homologs in *Alternaria*. *Applied microbiology and biotechnology*, 108(1), 133.

Reyes-Umana V, et al. (2023) Integration of molecular and computational approaches paints a holistic portrait of obscure metabolisms. *mBio*, 14(6), e0043123.

Yu J, et al. (2023) Genomic Diversity and Phenotypic Variation in Fungal Decomposers Involved in Bioremediation of Persistent Organic Pollutants. *Journal of fungi (Basel, Switzerland)*, 9(4).

Flipphi M, et al. (2023) Mutations in the Second Alternative Oxidase Gene: A New Approach to Group *Aspergillus niger* Strains. *Journal of fungi (Basel, Switzerland)*, 9(5).

Li L, et al. (2023) Globally distributed Myxococcota with photosynthesis gene clusters illuminate the origin and evolution of a potentially chimeric lifestyle. *Nature communications*, 14(1), 6450.

Wang S, et al. (2023) Molecular and Functional Analyses of Characterized Sesquiterpene Synthases in Mushroom-Forming Fungi. *Journal of fungi (Basel, Switzerland)*, 9(10).

Mathieu Y, et al. (2023) Functional characterization of fungal lytic polysaccharide monooxygenases for cellulose surface oxidation. *Biotechnology for biofuels and bioproducts*, 16(1), 132.