Resource Summary Report

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CIPRES Science Gateway

RRID:SCR_008439
Type: Tool

Proper Citation

CIPRES Science Gateway (RRID:SCR_008439)

Resource Information

URL: http://www.phylo.org/sub_sections/portal/

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Description: This database is a public resource for inference of large phylogenetic trees. It is designed to provide all researchers with access to large computational resources of the NSF TeraGrid through a simple browser interface. The CIPRES Science Gateway provides new hybrid parallel versions of RAxML (7.2.7) and MrBayes (3.1.2), as well as parallel GARLI (1.0) code to insure the fastest possible run times for submitted jobs. Through a collaboration with Alexandros Stamatakis and Wayne Pfeiffer, they now offer the fastest hybrid versions of RAxML and MrBayes currently available. Sponsors: The CIPRES project is a multi-site collaboration funded by the NSF Information Technology Research (ITR) program grant entitled BUILDING THE TREE OF LIFE: A National Resource for Phyloinformatics and Computational Phylogenetics.

Abbreviations: CIPRES

Synonyms: Cyberinfrastructure for Phylogenetic Research Science Gateway, Cyberinfrastructure for Phylogenetic Research

Resource Type: data or information resource, database

Keywords: cyberinfrastructure, phylogenetic, research, science, tree, research, FASEB list

Funding:

Resource Name: CIPRES Science Gateway

Resource ID: SCR_008439

Alternate IDs: nif-0000-30256

Record Creation Time: 20220129T080247+0000

Record Last Update: 20250507T060614+0000

Ratings and Alerts

No rating or validation information has been found for CIPRES Science Gateway.

No alerts have been found for CIPRES Science Gateway.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 83 mentions in open access literature.

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

Wang D, et al. (2024) New insights into the stipitate hydnoid fungi Sarcodon, Hydnellum, and the formerly informally defined Neosarcodon, with emphasis on the edible species marketed in Southwest China. IMA fungus, 15(1), 8.

Liu L, et al. (2023) Further insights into the phylogeny of facultative parasitic ciliates associated with tetrahymenosis (Ciliophora, Oligohymenophorea) based on multigene data. Ecology and evolution, 13(9), e10504.

Jung S, et al. (2023) Molecular Phylogeny of Cimicoidea (Heteroptera: Cimicomorpha) Revisited: Increased Taxon Sampling Reveals Evolution of Traumatic Insemination and Paragenitalia. Insects, 14(3).

Park JS, et al. (2023) Two New Species of the Family Acarosporaceae from South Korea. Mycobiology, 51(4), 216.

Steinke D, et al. (2022) Message in a Bottle-Metabarcoding enables biodiversity comparisons across ecoregions. GigaScience, 11.

Tipton AG, et al. (2022) Arbuscular Mycorrhizal Fungi Taxa Show Variable Patterns of Micro-Scale Dispersal in Prairie Restorations. Frontiers in microbiology, 13, 827293.

Zaheri B, et al. (2021) Assessing nucleic acid binding activity of four dinoflagellate cold shock domain proteins from Symbiodinium kawagutii and Lingulodinium polyedra. BMC molecular and cell biology, 22(1), 27.

Meswaet Y, et al. (2021) Unravelling unexplored diversity of cercosporoid fungi (Mycosphaerellaceae, Mycosphaerellales, Ascomycota) in tropical Africa. MycoKeys, 81, 69.

Crous PW, et al. (2021) Fungal Planet description sheets: 1284-1382. Persoonia, 47, 178.

Song W, et al. (2021) Taxonomy and Molecular Phylogeny of Two New Urostylid Ciliates (Protozoa: Ciliophora) From Chinese Wetlands and Establishment of a New Genus. Frontiers in microbiology, 12, 707954.

Wang R, et al. (2021) Integrative taxonomy and molecular phylogeny of three poorly known tintinnine ciliates, with the establishment of a new genus (Protista; Ciliophora; Oligotrichea). BMC ecology and evolution, 21(1), 115.

Crous PW, et al. (2021) Fungal Planet description sheets: 1284-1382. Persoonia, 47, 178.

Tyagi K, et al. (2020) Rearrangement and evolution of mitochondrial genomes in Thysanoptera (Insecta). Scientific reports, 10(1), 695.

Li L, et al. (2020) The genome of Prasinoderma coloniale unveils the existence of a third phylum within green plants. Nature ecology & evolution, 4(9), 1220.

Kumar V, et al. (2020) The Complete Mitochondrial Genome of endemic giant tarantula, Lyrognathus crotalus (Araneae: Theraphosidae) and comparative analysis. Scientific reports, 10(1), 74.

Fernández-Mazuecos M, et al. (2020) The Radiation of Darwin's Giant Daisies in the Galápagos Islands. Current biology : CB, 30(24), 4989.

Gong R, et al. (2020) Conjugation in Euplotes raikovi (Protista, Ciliophora): New Insights into Nuclear Events and Macronuclear Development from Micronucleate and Amicronucleate Cells. Microorganisms, 8(2).

Crous PW, et al. (2020) Fungal Planet description sheets: 1042-1111. Persoonia, 44, 301.

Mathur Y, et al. (2020) CobT and BzaC catalyze the regiospecific activation and methylation of the 5-hydroxybenzimidazole lower ligand in anaerobic cobamide biosynthesis. The Journal of biological chemistry, 295(31), 10522.

Hernández-Orts JS, et al. (2019) Heterophyid trematodes (Digenea) from penguins: A new species of Ascocotyle Looss, 1899, first description of metacercaria of Ascocotyle (A.) patagoniensis Hernández-Orts et al. (2012), and first molecular data. International journal for parasitology. Parasites and wildlife, 8, 94.