Resource Summary Report

Generated by NIF on May 15, 2025

phytools

RRID:SCR_015502

Type: Tool

Proper Citation

phytools (RRID:SCR_015502)

Resource Information

URL: https://cran.r-project.org/web/packages/phytools/index.html

Proper Citation: phytools (RRID:SCR_015502)

Description: Software R package for phylogenetic comparative biology. The package contains various functions for phylogenetic analysis of comparative data from species.

Resource Type: software resource, source code

Defining Citation: DOI:10.1111/j.2041-210X.2011.00169.x

Keywords: r package, phylogenetic comparison, phylogenetic analysis

Funding:

Availability: Available for download, Acknowledgement requested

Resource Name: phytools

Resource ID: SCR_015502

Alternate IDs: OMICS_12499

Alternate URLs: https://github.com/liamrevell/phytools, https://sources.debian.org/src/r-cran-

phytools/

License: GPL-2, GPL-3

Record Creation Time: 20220129T080326+0000

Record Last Update: 20250514T061721+0000

Ratings and Alerts

No rating or validation information has been found for phytools.

No alerts have been found for phytools.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 534 mentions in open access literature.

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

Sun Z, et al. (2025) The pivotal role of IncFIB(Mar) plasmid in the emergence and spread of hypervirulent carbapenem-resistant Klebsiella pneumoniae. Science advances, 11(5), eado9097.

Strobel AG, et al. (2025) Meningococcal C Disease Outbreak Caused by Multidrug-Resistant Neisseria meningitidis, Fiji. Emerging infectious diseases, 31(1), 32.

Sha LN, et al. (2025) Rapid diversification of St-genome-sharing species in wheat grasses (Triticeae: Poaceae) accompanied by diversifying selection of chloroplast genes. BMC plant biology, 25(1), 32.

Zakerzade R, et al. (2025) Diversification and recurrent adaptation of the synaptonemal complex in Drosophila. PLoS genetics, 21(1), e1011549.

Vickers SH, et al. (2025) North American avian species that migrate in flocks show greater long-term non-breeding range shift rates. Movement ecology, 13(1), 3.

Chen J, et al. (2025) Horizontal Transfer and Recombination Fuel Ty4 Retrotransposon Evolution in Saccharomyces. Genome biology and evolution, 17(1).

Mallik R, et al. (2025) Investigating the Impact of Whole-Genome Duplication on Transposable Element Evolution in Teleost Fishes. Genome biology and evolution, 17(1).

Denoeud F, et al. (2024) Evolutionary genomics of the emergence of brown algae as key components of coastal ecosystems. Cell, 187(24), 6943.

Najer T, et al. (2024) Mitochondrial genome fragmentation is correlated with increased rates of molecular evolution. PLoS genetics, 20(5), e1011266.

Guizar Amador MF, et al. (2024) The Gongora gibba genome assembly provides new insights into the evolution of floral scent in male euglossine bee-pollinated orchids. G3

(Bethesda, Md.), 14(11).

Gayford JH, et al. (2024) No evidence for population-level benefits of polyandry in sharks and rays. PloS one, 19(9), e0308141.

Eltz T, et al. (2024) Evolution of Acquired Perfumes and Endogenous Lipid Secretions in Orchid Bees. Journal of chemical ecology, 50(9-10), 430.

Kalirad A, et al. (2024) Genetic drift promotes and recombination hinders speciation on holey fitness landscapes. PLoS genetics, 20(1), e1011126.

Avilés JM, et al. (2024) The evolutionary ecology of bird-ant interactions: a pervasive but under-studied connection. Proceedings. Biological sciences, 291(2014), 20232023.

Schwob G, et al. (2024) Unveiling the co-phylogeny signal between plunderfish Harpagifer spp. and their gut microbiomes across the Southern Ocean. Microbiology spectrum, 12(4), e0383023.

Atre M, et al. (2024) Origin, evolution, and maintenance of gene-strand bias in bacteria. Nucleic acids research, 52(7), 3493.

Ghafari M, et al. (2024) Revisiting the origins of the Sobemovirus genus: A case for ancient origins of plant viruses. PLoS pathogens, 20(1), e1011911.

Ding W, et al. (2024) Adaptive functions of structural variants in human brain development. Science advances, 10(14), eadl4600.

Aldaba Núñez FA, et al. (2024) Phylogenomic insights into Neotropical Magnolia relationships. Heliyon, 10(20), e39430.

Cohen KE, et al. (2024) Dental Dynamics: A Fast New Tool for Quantifying Tooth and Jaw Biomechanics in 3D Slicer. Integrative organismal biology (Oxford, England), 6(1), obae015.