

Resource Summary Report

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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: source code, software resource

Defining Citation: [DOI:10.1111/j.2041-210X.2011.00169.x](https://doi.org/10.1111/j.2041-210X.2011.00169.x)

Keywords: r package, phylogenetic comparison, phylogenetic analysis

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: 20260729T044354+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 645 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Larter M, et al. (2026) Weak global trade-off between frost and drought resistance in trees. *The New phytologist*, 249(2), 810.

Maurstad MF, et al. (2026) The green lacewing venom system and the complex mechanisms underlying its evolution. *Molecular biology and evolution*, 43(1).

Sari E, et al. (2026) Gene duplication, horizontal gene transfer, and trait trade-offs drive evolution of postfire resource acquisition in pyrophilous fungi. *Proceedings of the National Academy of Sciences of the United States of America*, 123(1), e2519152123.

Troyer EM, et al. (2025) Macroevolutionary role reversals in the earliest radiation of bony fishes. *Current biology : CB*.

Xie D, et al. (2025) Deciphering genomic evolution of metastatic organotropism with 535 paired primary lung cancers and metastases. *Cell reports*, 44(10), 116449.

Matthews S, et al. (2025) Variable Gene Copy Number in Cancer-Related Pathways Is Associated With Cancer Prevalence Across Mammals. *Molecular biology and evolution*, 42(3).

Cornelissen T, et al. (2025) Signaling defenses with color: a meta-analysis of leaf color variation, palatability, and herbivore damage. *The New phytologist*, 247(2), 884.

Li CJ, et al. (2025) Genomic insights into Kocuria: taxonomic revision and identification of five IAA-producing extremophiles. *Frontiers in microbiology*, 16, 1547983.

Everson KM, et al. (2025) Multiple bursts of speciation in Madagascar's endangered lemurs. *Nature communications*, 16(1), 7070.

Lee S, et al. (2025) Genomic factors limiting the diversity of Saccharomycotina plant pathogens. *G3 (Bethesda, Md.)*, 15(10).

Melendez-Vazquez F, et al. (2025) Ecological interactions and genomic innovation fueled the evolution of ray-finned fish endothermy. *Science advances*, 11(26), eads8488.

Mishkind D, et al. (2025) Courtship vocalizations in male ducks: spectral composition and resonance of the syringeal bulla. *The Journal of experimental biology*, 228(21).

Kananen K, et al. (2025) Adaptive adjustment of profile HMM significance thresholds improves functional and metabolic insights into microbial genomes. *Bioinformatics advances*, 5(1), vbaf039.

Pereyra EES, et al. (2025) Morphology of the maxilla informs about the type of predation strategy in the evolution of Abelisauridae (Dinosauria: Theropoda). *Scientific reports*, 15(1), 7857.

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.

Schatz AM, et al. (2025) Evidence for the Vacated Niche Hypothesis in Parasites of Invasive Mammals. *Ecology and evolution*, 15(2), e70959.

Murray BR, et al. (2025) Toward a macroevolutionary understanding of live-leaf flammability in plant species of fire-prone forests. *American journal of botany*, 112(10), e70073.

Montoya QV, et al. (2025) Digging into the evolutionary history of the fungus-growing-ant symbiont, *Escovopsis* (Hypocreaceae). *Communications biology*, 8(1), 1340.

French RLK, et al. (2025) Why the Long "Horns"? Fine-Scale Morphology Suggests Tactile Demands Contributed to the Exaggeration of Male Longhorned Beetle Antennae (Coleoptera: Cerambycidae). *Ecology and evolution*, 15(5), e71380.

M??rel V, et al. (2025) Relaxed Purifying Selection is Associated with an Accumulation of Transposable Elements in Flies. *Molecular biology and evolution*, 42(6).