

# Resource Summary Report

Generated by T1D on Sep 5, 2026

## phytools

RRID:SCR\_015502

Type: Tool

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### Proper Citation

phytools (RRID:SCR\_015502)

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### 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](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:** 20260904T000809+0000

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### Ratings and Alerts

No rating or validation information has been found for phytools.

No alerts have been found for phytools.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 718 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

Nawae W, et al. (2026) Genome Assembly of Three Shrub Mangroves in the Genus *Acanthus* Reveals Two Polyploidy Events and Expansion of Genes Linked to Root Adaptation in Coastal Habitats. *GigaScience*, 15.

Szablińska-Piernik J, et al. (2026) Giant chromosomes of a tiny plant-the complete telomere-to-telomere genome assembly of the simple thalloid liverwort *Apopellia endiviifolia* (Jungermannioopsida, Marchantiophyta). *GigaScience*, 15.

Bittlingmaier M, et al. (2026) Plant and soil biodiversity sustain root mycorrhizal fungal richness under drought stress. *The ISME journal*, 20(1).

Adden A, et al. (2026) The evolution of lepidopteran brain morphology. *Journal of comparative physiology. A, Neuroethology, sensory, neural, and behavioral physiology*, 212(2), 409.

Li B, et al. (2026) Phylogenomics, ecomorphological evolution, and historical biogeography in *Deuterocohnia* (Bromeliaceae: Pitcairnioideae). *American journal of botany*, 113(2), e70153.

Cai L, et al. (2026) Recombination and Retroprocessing in Broomrapes Reveal RNA-Mediated Gene Transfer Mechanism and a Generalizable Model for Mitochondrial Evolution in Heterotrophic Plants. *Genome biology and evolution*, 18(2).

Wang W, et al. (2026) Comparative genomics reveals evolutionary signatures of genes associated with jumping in beetles. *Zoological research*, 47(1), 88.

Wang H, et al. (2026) Integrative chloroplast genomics of Polygonaceae: evolutionary dynamics, codon optimization, and phylogenetic resolution. *BMC plant biology*, 26(1).

Humberto AC, et al. (2026) The Repeatome in the Mega-Genus *Epidendrum* L. (Epidendroideae, Orchidaceae): An In Silico Comparative Analysis. *Genes*, 17(2).

Satoh S, et al. (2026) Repeated evolution of cooperative breeding and life history traits in Lake Tanganyika cichlids. *Communications biology*, 9(1).

Zhang R, et al. (2026) HiFi-Assembled Mitogenomes of Four Pygmy Grasshoppers Reveal Mito-Nuclear Discordance in *Zhengitettix transpicula* and Lineage-Specific Mitochondrial Intergenic Length Variation. *Life (Basel, Switzerland)*, 16(6).

Osnes MN, et al. (2026) Genomic epidemiology of *Streptococcus pneumoniae* GPSC6: post-vaccine expansion of  $\beta$ -lactam-susceptible serotype 24F in Europe. *Microbial genomics*, 12(5).

Muthu G G, et al. (2026) Evolutionary Analysis of Trehalose Breakdown Pathways. *Genome biology and evolution*, 18(6).

Jallow MM, et al. (2026) Epidemiology, Genomic Diversity, and Evolutionary Dynamics of Human Metapneumovirus Over 7 Years of Integrated Community- and Hospital-Based Sentinel Surveillance in Senegal, 2018-2024. *Influenza and other respiratory viruses*, 20(7), e70290.

Wei J, et al. (2026) Convergent genome evolution shaped the emergence of terrestrial animals. *Nature*, 649(8097), 638.

Alfsen A, et al. (2026) Broadening the semiaquatic scene: Quantification of long bone microanatomy across pinnipeds. *Anatomical record* (Hoboken, N.J. : 2007), 309(8), 2124.

Wang J, et al. (2026) Exploring differences in the human gut microbiome between Han Chinese and non-Chinese populations. *Genome biology*, 27(1), 34.

Tör?-Sziogyártó V, et al. (2026) Inconsistent relationships detected between seed size, shape and persistence for different plant functional groups in the Pannonian flora. *Annals of botany*, 137(4), 1026.

Hale CO, et al. (2026) Widespread turnover of a conserved cis-regulatory code across 589 grass species. *Molecular biology and evolution*, 43(1).

Labella-Ortega M, et al. (2026) Uncovering the genome evolutionary dynamics of the Mediterranean endemic palm *Chamaerops humilis*. *BMC plant biology*, 26(1).