

Resource Summary Report

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BayesTraits

RRID:SCR_014487

Type: Tool

Proper Citation

BayesTraits (RRID:SCR_014487)

Resource Information

URL: <http://www.evolution.rdg.ac.uk/BayesTraits.html>

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Description: A computer package for performing analyses of trait evolution among groups of species for which a phylogeny or sample of phylogenies is available. It incorporates earlier programs including Multistate, Discrete and Continuous. BayesTraits can be applied to the analysis of traits that adopt a discrete number of states, or to the analysis of continuously varying traits. Hypotheses can be tested about models of evolution, ancestral states and correlations among pairs of traits., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Resource Type: software resource, software application, data analysis software, data processing software

Keywords: data analysis software, evolution, phylogeny, evolutionary model

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: BayesTraits

Resource ID: SCR_014487

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260808T190031+0000

Ratings and Alerts

No rating or validation information has been found for BayesTraits.

No alerts have been found for BayesTraits.

Data and Source Information

Usage and Citation Metrics

We found 308 mentions in open access literature.

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

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

Lilian Dantas Cavalcante R, et al. (2025) The complete mitogenome of Amazonian *Brachyplatystoma filamentosum* and the evolutionary history of body size in the order Siluriformes. *Scientific reports*, 15(1), 9873.

Prieto-Baños S, et al. (2025) Tracing the evolution of key traits in dorid nudibranchs. *PloS one*, 20(4), e0317704.

Slavenko A, et al. (2025) Evolution of sexual size dimorphism in tetrapods is driven by varying patterns of sex-specific selection on size. *Nature ecology & evolution*, 9(3), 464.

Flannery-Sutherland JT, et al. (2025) Landscape-explicit phylogeography illuminates the ecographic radiation of early archosauromorph reptiles. *Nature ecology & evolution*, 9(7), 1138.

Cardoso GA, et al. (2025) Origins and Diversification of Myiasis Across Blowflies. *Ecology and evolution*, 15(2), e70993.

Ren M, et al. (2025) Biogeography of soda lake microbiome and uneven cross-continent transition rates. *Frontiers in microbiology*, 16, 1614302.

Avaria-Llautureo J, et al. (2025) The radiation and geographic expansion of primates through diverse climates. *Proceedings of the National Academy of Sciences of the United States of America*, 122(32), e2423833122.

Chen L, et al. (2025) Differential Retention and Loss of a Mycotoxin in Fungal Evolution. *Toxins*, 17(6).

Farrell AA, et al. (2025) Bacterial Growth Temperature as a Horizontally Acquired Polygenic Trait. *Genome biology and evolution*, 17(1).

Abalde S, et al. (2025) A Phylogenomic Backbone for Acoelomorpha Inferred From Transcriptomic Data. *Systematic biology*, 74(1), 70.

Butler G, et al. (2025) Punctuational evolution is pervasive in distal site metastatic colonization. *Proceedings. Biological sciences*, 292(2039), 20242850.

Feng B, et al. (2025) Unique trajectory of gene family evolution from genomic analysis of nearly all known species in an ancient yeast lineage. *Molecular systems biology*, 21(8), 1066.

Liu S, et al. (2025) Mitogenomes of museum specimens provide new insight into species classification and recently reduced diversity of highly endangered *Nomascus gibbons*. *Integrative zoology*, 20(3), 674.

Huang X, et al. (2025) The Role of Host-Range Expansion and Co-Speciation in Host-Parasite Associations With the Divergence of the Great Tit Species Complex. *Ecology and evolution*, 15(1), e70859.

Singh P, et al. (2025) Evolution and co-evolution of the suck behaviour, a postcopulatory female resistance trait that manipulates received ejaculate. *BMC biology*, 23(1), 87.

Kojima Y, et al. (2024) Foraging predicts the evolution of warning coloration and mimicry in snakes. *Proceedings of the National Academy of Sciences of the United States of America*, 121(11), e2318857121.

Pérez F, et al. (2024) Speciation and evolution of growth form in *Adesmia* D. C. (Dalbergieae, Fabaceae): the relevance of Andean uplift and aridification. *Frontiers in plant science*, 15, 1403273.

Li M, et al. (2024) Ancestral neural circuits potentiate the origin of a female sexual behavior in *Drosophila*. *Nature communications*, 15(1), 9210.

Feng B, et al. (2024) Unique trajectory of gene family evolution from genomic analysis of nearly all known species in an ancient yeast lineage. *bioRxiv : the preprint server for biology*.