**jModelTest**

RRID:SCR_015244  
Type: Tool

**Proper Citation**

jModelTest (RRID:SCR_015244)

**Resource Information**

**URL:** [http://www.molecularevolution.org/software/phylogenetics/jmodeltest](http://www.molecularevolution.org/software/phylogenetics/jmodeltest)

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**Description:** Software tool used to carry out statistical selection of best-fit models of nucleotide substitution without the aid of PAUP*. It implements five different model selection strategies: hierarchical and dynamical likelihood ratio tests, Akaike and Bayesian information criteria, and a decision theory method. It also provides estimates of model selection uncertainty, parameter importances, and model-averaged parameter estimates.

**Resource Type:** source code, data analysis software, data processing software, software application, software resource

**Defining Citation:** [DOI:10.1038/nmeth.2109](https://doi.org/10.1038/nmeth.2109)

**Keywords:** best-fit model, nucleotide substitution, statistical analysis

**Availability:** Available for download

**Resource Name:** jModelTest

**Resource ID:** SCR_015244

**Alternate IDs:** OMICS_11546

**Alternate URLS:** [https://sources.debian.org/src/jmodeltest/](https://sources.debian.org/src/jmodeltest/)

**Record Creation Time:** 20220129T080324+0000

**Record Last Update:** 20240704T054152+0000
Ratings and Alerts

No rating or validation information has been found for jModelTest.

No alerts have been found for jModelTest.

Data and Source Information

**Source:** [SciCrunch Registry](https://www.sci.crunch.org)

Usage and Citation Metrics

We found 3354 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](https://www.sci.crunch.org).


Ward PS, et al. (2024) Reference genome of the bicolored carpenter ant, Camponotus vicinus. The Journal of heredity, 115(1), 120.


Ibghi M, et al. (2024) Molecular Phylogeny, Morphology, Growth and Toxicity of Three Benthic Dinoflagellates Ostreopsis sp. 9, Prorocentrum lima and Coolia monotis Developing in Strait of Gibraltar, Southwestern Mediterranean. Toxins, 16(1).


Estrada K, et al. (2024) Unraveling the plasticity of translation initiation in prokaryotes: Beyond the invariant Shine-Dalgarno sequence. PloS one, 19(1), e0289914.