

Resource Summary Report

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RepeatModeler

RRID:SCR_015027

Type: Tool

Proper Citation

RepeatModeler (RRID:SCR_015027)

Resource Information

URL: <http://www.repeatmasker.org/RepeatModeler/>

Proper Citation: RepeatModeler (RRID:SCR_015027)

Description: Sequence analysis software that performs repeat family identification and creates models for sequence data. RepeatModeler utilizes RepeatScout and RECON to identify repeat element boundaries and family relationships.

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

Keywords: sequence analysis, sequence repeats, repeat identification, bio.tools

Funding: Institute for Systems Biology ;
NHGRI R44 HG02244;
NHGRI R01 HG002939

Availability: Available for download, Free

Resource Name: RepeatModeler

Resource ID: SCR_015027

Alternate IDs: biotools:repeatmodeler

Alternate URLs: <https://bio.tools/repeatmodeler>

License: Open Source License v2.1

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250519T204331+0000

Ratings and Alerts

No rating or validation information has been found for RepeatModeler.

No alerts have been found for RepeatModeler.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2755 mentions in open access literature.

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

Ragasa LRP, et al. (2025) Comparative genomics reveals putative copper tolerance genes in a *Fusarium oxysporum* strain. *G3* (Bethesda, Md.), 15(1).

Polinski JM, et al. (2025) Chromosome-level reference genome for the Jonah crab, *Cancer borealis*. *G3* (Bethesda, Md.), 15(1).

Schöneberg Y, et al. (2025) Three Novel Spider Genomes Unveil Spidroin Diversification and Hox Cluster Architecture: *Ryuthela nishihirai* (Liphistiidae), *Uloborus plumipes* (Uloboridae) and *Cheiracanthium punctorium* (Cheiracanthiidae). *Molecular ecology resources*, 25(1), e14038.

Wang X, et al. (2025) Chromosome-level haplotype-resolved genome of the tropical loach (*Oreonectes platycephalus*). *Scientific data*, 12(1), 29.

Vea IM, et al. (2025) The B Chromosome of *Pseudococcus viburni*: A Selfish Chromosome that Exploits Whole-Genome Meiotic Drive. *Genome biology and evolution*, 17(1).

Zhang D, et al. (2025) Chromosome level genome assembly of 'Wanfeng' almond (*Prunus dulcis*). *Scientific data*, 12(1), 179.

Tenger-Trolander A, et al. (2025) Genomic Resources for the Scuttle Fly *Megaselia abdita*: A Model Organism for Comparative Developmental Studies in Flies. *bioRxiv* : the preprint server for biology.

Li R, et al. (2025) Photosymbiosis shaped animal genome architecture and gene evolution as revealed in giant clams. *Communications biology*, 8(1), 7.

Lei Y, et al. (2025) Population sequencing of cherry accessions unravels the evolution of *Cerasus* species and the selection of genetic characteristics in edible cherries. *Molecular horticulture*, 5(1), 6.

Liu R, et al. (2025) Chromosome-level reference genome and annotation of the Arctic fish *Anisarchus medius*. *Scientific data*, 12(1), 68.

Chudhary A, et al. (2025) Characterization of chemosensory genes in the subterranean pest *Gryllotalpa Orientalis* based on genome assembly and transcriptome comparison. *BMC genomics*, 26(1), 33.

Kariba R, et al. (2025) Draft genome sequence of Kei apple, an underutilized African tree crop. *Scientific data*, 12(1), 70.

Paulo DF, et al. (2025) Functional genomics implicates ebony in the black pupae phenotype of tephritid fruit flies. *Communications biology*, 8(1), 60.

Wang Y, et al. (2025) A high-quality chromosome-scale genome assembly of the Cherokee rose (*Rosa laevigata*). *Scientific data*, 12(1), 132.

Alejo-Jacuinde G, et al. (2025) Gene family rearrangements and transcriptional priming drive the evolution of vegetative desiccation tolerance in *Selaginella*. *The Plant journal : for cell and molecular biology*, 121(1), e17169.

Zhang W, et al. (2025) Chromosome-level genome assembly of tetraploid Chinese cherry (*Prunus pseudocerasus*). *Scientific data*, 12(1), 136.

Liu J, et al. (2025) Chromosome-level genome assembly of the seasonally polyphenic scorpionfly (*Panorpa liui*). *Scientific data*, 12(1), 22.

Lan L, et al. (2025) Chromosome-level and haplotype-resolved genome assembly of *Bougainvillea glabra*. *Scientific data*, 12(1), 107.

Liang Y, et al. (2025) The giant genome of lily provides insights into the hybridization of cultivated lilies. *Nature communications*, 16(1), 45.

Willemsen A, et al. (2025) Novel High-Quality Amoeba Genomes Reveal Widespread Codon Usage Mismatch Between Giant Viruses and Their Hosts. *Genome biology and evolution*, 17(1).