Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

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

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: 20250412T055848+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 FDI Lab - SciCrunch.org.

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.

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

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.

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.

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

Wang Y, et al. (2025) A high-quality chromosome-scale genome assembly of the Cherokee

rose (Rosa laevigata). Scientific data, 12(1), 132.

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.

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.

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).