

Resource Summary Report

Generated by [T1D](#) on Sep 5, 2026

RepeatMasker

RRID:SCR_012954

Type: Tool

Proper Citation

RepeatMasker (RRID:SCR_012954)

Resource Information

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

Proper Citation: RepeatMasker (RRID:SCR_012954)

Description: Software tool that screens DNA sequences for interspersed repeats and low complexity DNA sequences. The output of the program is a detailed annotation of the repeats that are present in the query sequence as well as a modified version of the query sequence in which all the annotated repeats have been masked (default: replaced by Ns). Currently over 56% of human genomic sequence is identified and masked by the program. Sequence comparisons in RepeatMasker are performed by one of several popular search engines including nhmmer, cross_match, ABBLAST/WUBLAST, RMBLAST and Decypher. RepeatMasker makes use of curated libraries of repeats and currently supports Dfam (profile HMM library) and RepBase (consensus sequence library).

Synonyms: repeatmasker.org

Resource Type: software resource

Defining Citation: [DOI:10.1007/978-1-61779-603-6_2](https://doi.org/10.1007/978-1-61779-603-6_2)

Resource Name: RepeatMasker

Resource ID: SCR_012954

Alternate IDs: nlx_156840, OMICS_09436

Old URLs: <https://sources.debian.org/src/repeatmasker/>

Record Creation Time: 20220129T080313+0000

Record Last Update: 20260903T235224+0000

Ratings and Alerts

No rating or validation information has been found for RepeatMasker.

No alerts have been found for RepeatMasker.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10730 mentions in open access literature.

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

Mao C, et al. (2026) Chromosome-level genome assembly and transcriptomes of the leaf insect *Cryptophyllum westwoodii* provide insights into the evolution of leaf-like masquerade. *GigaScience*, 15.

Adami A, et al. (2026) Protocol for efficient CRISPRi-mediated silencing of retrotransposons in human pluripotent stem cells. *STAR protocols*, 7(1), 104398.

Vuong TT, et al. (2026) DNA Methyltransferase Inhibition Prevents Platinum-Induced Ovarian Cancer Stem Cell Enrichment. *Cancer research communications*, 6(7), 1721.

Liu H, et al. (2026) The genomes of 5 mantises provide insights into sex chromosome evolution and Mantodea phylogeny clarification. *GigaScience*, 15.

Li C, et al. (2026) ARID1A deficiency unleashes centromeric RNA transcription to drive chromosomal instability and boosts PKMYT1 inhibitor efficacy via RNA sensing. *bioRxiv* : the preprint server for biology.

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.

Sharma M, et al. (2026) Improved reference assembly and core collection resequencing to facilitate exploration of important agronomical traits for the improvement of oilseed crop, *Carthamus tinctorius* L. *GigaScience*, 15.

Li SY, et al. (2026) TGF β 1 Activates Lnc-APUE to Promote Tumor Metastasis via the Alu Element-Driven STAU1-Mediated Decay of CDH1 mRNA. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(20), e18731.

Schlebusch SA, et al. (2026) Sex chromosome turnover and structural genome divergence shape meiotic outcomes in hybridizing *Cobitis*. *GigaScience*, 15.

Shi M, et al. (2026) Transcriptomic landscape of transposable elements reveals LTR7-PLAAT4 as a potential oncogene and therapeutic target in pancreatic adenocarcinoma. *Genome research*, 36(2), 275.

Plasil M, et al. (2026) A chromosome-level genome assembly of the snow leopard, *Panthera uncia*. *The Journal of heredity*, 117(2), 272.

Zanella E, et al. (2026) Damage-induced i-loops generate eccDNA from repetitive elements. *Molecular cell*, 86(10), 1856.

Lu Z, et al. (2026) The *Rhus chinensis* Genome Provides Insights Into Tannin, Flavonoid Biosynthesis, and Glandular Trichome Development. *Plant biotechnology journal*, 24(3), 988.

Qiu B, et al. (2026) Arms races between selfish genetic elements and their host defence in termites. *Nature communications*, 17(1), 1702.

Fouché S, et al. (2026) Recurrent Chromosome Destabilization Through Repeat-Mediated Rearrangements in a Fungal Pathogen. *Genome biology and evolution*, 18(3).

Lin Z, et al. (2026) Genome-wide identification and expression pattern analysis of pseudogenes in *Strobilanthes cusia* (Nees) Kuntze. *Science progress*, 109(1), 368504261420981.

McClelland P, et al. (2026) A multi-ancestry genetic reference for the Quebec population. *Nature communications*, 17(1), 1319.

Larsen F, et al. (2026) Viral mimicry acts as a tumor suppressor in colitis. *Nature communications*, 17(1), 1313.

Liu S, et al. (2026) Chromosome-level genome assembly of the casuarina moth, *Lymantria xylinea* Swinhoe (1903). *Scientific data*, 13(1).

Dong Z, et al. (2026) Fungal photobiont and microbiome genome composition in the *Cladonia uncialis* tripartite symbiosis. *Scientific data*, 13(1).