

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

WormBase

RRID:SCR_003098

Type: Tool

Proper Citation

WormBase (RRID:SCR_003098)

Resource Information

URL: <http://www.wormbase.org>

Proper Citation: WormBase (RRID:SCR_003098)

Description: Central data repository for nematode biology including complete genomic sequence, gene predictions and orthology assignments from range of related nematodes. Data concerning genetics, genomics and biology of *C. elegans* and related nematodes. Derived from initial ACeDB database of *C. elegans* genetic and sequence information, WormBase includes genomic, anatomical and functional information of *C. elegans*, other *Caenorhabditis* species and other nematodes. Maintains public FTP site where researchers can find many commonly requested files and datasets, WormBase software and prepackaged databases.

Abbreviations: WB, WB REF, WP

Synonyms: , WB, Worm Base, WB REF, WP

Resource Type: service resource, data or information resource, data repository, database, storage service resource

Defining Citation: [PMID:24194605](#), [PMID:19910365](#), [PMID:17991679](#), [PMID:15608221](#)

Keywords: RIN, Resource Information Network, catalog, database, blast, genomic sequence, gene prediction, orthology assignment, gene function, ortholog, roundworm, geneotype, phenotype, gene mapping, genomics, gene expression, transposon family, *c. elegans*, wormmart, FASEB list, RRID Community Authority

Funding: NHGRI ;
NIH Blueprint for Neuroscience Research ;
MRC ;
BBSRC ;
NHGRI U41 HG002223;
NIHGRI P41 HG02223

Resource Name: WormBase

Resource ID: SCR_003098

Alternate IDs: nif-0000-00053, OMICS_01664, r3d100010424

Alternate URLs: <http://www.wormbase.org/#01-23-6>, <https://doi.org/10.17616/R3089Z>

License: CC0, CC BY 4.0

License URLs: <https://wormbase.org/about/policies#23--10>

Record Creation Time: 20220129T080217+0000

Record Last Update: 20260729T044037+0000

Ratings and Alerts

No rating or validation information has been found for WormBase.

No alerts have been found for WormBase.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1825 mentions in open access literature.

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

Qu X, et al. (2026) Investigation of epilepsy-related genes in a Drosophila model. Neural regeneration research, 21(1), 195.

Elaswad MT, et al. (2026) Targeted RNAi screen reveals novel regulators of RNA-binding protein phase transitions in Caenorhabditis elegans oocytes. G3 (Bethesda, Md.), 16(1).

Mosley MC, et al. (2025) Similarities and differences in the gene expression signatures of physiological age versus future lifespan. Aging cell, 24(4), e14428.

Collins JB, et al. (2025) Naturally occurring variation in a cytochrome P450 modifies thiabendazole responses independently of beta-tubulin. PLoS pathogens, 21(1), e1012602.

Falsztyn IB, et al. (2025) Developmental and conditional regulation of DAF-2/INSR ubiquitination in Caenorhabditis elegans. G3 (Bethesda, Md.), 15(3).

Sonntag T, et al. (2025) A defining member of the new cysteine-cradle family is an aECM protein signalling skin damage in C. elegans. PLoS genetics, 21(3), e1011593.

Li J, et al. (2025) Repeated Evolution of Transcript Dosage Compensation of Independently Formed Nematode Neo-X Chromosomes. *Genome biology and evolution*, 17(4).

Jhaveri N, et al. (2025) Heat tolerance and genetic adaptations in *Caenorhabditis briggsae*: insights from comparative studies with *Caenorhabditis elegans*. *Genetics*, 230(2).

Shahi N, et al. (2025) Neuromodulation of Swarming Behavior in *C. elegans*: Insights into the Conserved role of Calsyntenins. *bioRxiv : the preprint server for biology*.

Haque R, et al. (2025) Decoding sexual dimorphism of the sex-shared nervous system at single-neuron resolution. *Science advances*, 11(28), eadv9106.

Witrado J, et al. (2025) Soma to neuron communication links stress adaptation to stress avoidance behavior. *bioRxiv : the preprint server for biology*.

Nadour M, et al. (2025) Interplay between MIG-6/papilin and TGF- β signaling promotes extracellular matrix remodeling and modulates the maintenance of neuronal architecture. *bioRxiv : the preprint server for biology*.

Guan Y, et al. (2025) Cross-tissue coordination between SLC nucleoside transporters regulates reproduction in *Caenorhabditis elegans*. *PLoS genetics*, 21(5), e1011425.

Shao Y, et al. (2025) SLRanger: an integrated approach for spliced leader detection and operon prediction using long RNA reads. *Briefings in bioinformatics*, 26(5).

Seetharaman A, et al. (2025) Decreased SynMuv B gene activity in response to viral infection leads to activation of the antiviral RNAi pathway in *C. elegans*. *PLoS biology*, 23(1), e3002748.

Vora M, et al. (2025) Genome-wide analysis of Smad and Schnurri transcription factors in *C. elegans* demonstrates widespread interaction and a function in collagen secretion. *eLife*, 13.

Rockman MV, et al. (2025) Parental-effect gene-drive elements under partial selfing, or why do *Caenorhabditis* genomes have hyperdivergent regions? *Genetics*, 229(1), 1.

Shao Y, et al. (2025) RNA-sequencing Analysis of Hybrid Females Reveals a Dominance of Expression of Alleles From Outcrossing Species Over Those From Selfing Species. *Genome biology and evolution*, 17(6).

Weisman AS, et al. (2025) Efficient iterative CRISPR/Cas9 editing using sid-1 co-conversion and feeding RNAi in *Caenorhabditis elegans*. *G3 (Bethesda, Md.)*, 15(8).

Roozen MC, et al. (2025) Assessing genetic conservation of human sociability-linked genes in *C. elegans*. *Behavior genetics*, 55(2), 141.