Resource Summary Report

Generated by dkNET on Apr 22, 2025

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: catalog, data repository, data or information resource, storage service resource, service resource, database

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

Funding: NHGRI ;
NIH Blueprint for Neuroscience Research ;
MRC ;

BBSRC ;
NHGRI U41 HG002223;
NIHGRI P41 HG02223

Availability: Public, Free for academic and research use, The community can contribute to this resource, Copyrighted, Acknowledgement requested

Resource Name: WormBase

Resource ID: SCR_003098

Alternate IDs: nif-0000-00053, OMICS_01664

Alternate URLs: http://www.wormbase.org/#01-23-6

License: CC0, CC BY 4.0

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

Record Creation Time: 20220129T080217+0000

Record Last Update: 20250421T053344+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 1737 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Poullet M, et al. (2025) High-fidelity annotated triploid genome of the quarantine root-knot nematode, Meloidogyne enterolobii. Scientific data, 12(1), 184.

Donato A, et al. (2025) OSP-1 protects neurons from autophagic cell death induced by acute oxidative stress. Nature communications, 16(1), 300.

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.

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.

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

Dube F, et al. (2024) Gene co-expression network analysis reveal core responsive genes in Parascaris univalens tissues following ivermectin exposure. PloS one, 19(2), e0298039.

Haque R, et al. (2024) Sex-specific developmental gene expression atlas unveils dimorphic gene networks in C. elegans. Nature communications, 15(1), 4273.

Zheng WB, et al. (2024) Proteomic change in the upper lobe of the left lung of Beagle dogs at the lung migration stage of Toxocara canis infection. Parasites & vectors, 17(1), 210.

Kotagama K, et al. (2024) The catalytic activity of microRNA Argonautes plays a modest role in microRNA star strand destabilization in C. elegans. bioRxiv : the preprint server for biology.

Pereira I, et al. (2024) Weighted gene co-expression network analysis reveals immune evasion related genes in Echinococcus granulosus sensu stricto. Experimental biology and medicine (Maywood, N.J.), 249, 10126.

Dutta TK, et al. (2024) Induced knockdown of Mg-odr-1 and Mg-odr-3 perturbed the host seeking behavior of Meloidogyne graminicola in rice. Heliyon, 10(4), e26384.

Memar N, et al. (2024) The replicative helicase CMG is required for the divergence of cell fates during asymmetric cell division in vivo. Nature communications, 15(1), 9399.

Knox J, et al. (2024) Cyprocide selectively kills nematodes via cytochrome P450 bioactivation. Nature communications, 15(1), 5529.

Castiglioni VG, et al. (2024) Story of an infection: Viral dynamics and host responses in the Caenorhabditis elegans-Orsay virus pathosystem. Science advances, 10(39), eadn5945.

Sirwani N, et al. (2024) Levels of Amyloid Beta (A?) Expression in the Caenorhabditis elegans Neurons Influence the Onset and Severity of Neuronally Mediated Phenotypes. Cells, 13(18).

Houston J, et al. (2024) Phospho-KNL-1 recognition by a TPR domain targets the BUB-1-BUB-3 complex to C. elegans kinetochores. The Journal of cell biology, 223(7).

Grover M, et al. (2024) Proteasome inhibition triggers tissue-specific immune responses against different pathogens in C. elegans. PLoS biology, 22(3), e3002543.

Otarigho B, et al. (2024) Neuronal NPR-15 modulates molecular and behavioral immune responses via the amphid sensory neuron-intestinal axis in C. elegans. eLife, 12.

Niciura SCM, et al. (2024) Multi-omics data elucidate parasite-host-microbiota interactions and resistance to Haemonchus contortus in sheep. Parasites & vectors, 17(1), 102.