Resource Summary Report

Generated by dkNET on May 17, 2025

WormSizer

RRID:SCR_015824

Type: Tool

Proper Citation

WormSizer (RRID:SCR_015824)

Resource Information

URL: https://github.com/bradtmoore/wormsizer

Proper Citation: WormSizer (RRID:SCR_015824)

Description: Software plug-in for ImageJ that allows users to determine the size of worms. It can calculate volume, surface area, and other parameters of worm specimens.

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

Defining Citation: PMID:29063832

Keywords: worm, measuring software, c. elegans, nematode, volume, surface area

Funding:

Availability: Free, Available for download, Demo available

Resource Name: WormSizer

Resource ID: SCR_015824

License: BSD 2 License

Record Creation Time: 20220129T080327+0000

Record Last Update: 20250517T060227+0000

Ratings and Alerts

No rating or validation information has been found for WormSizer.

No alerts have been found for WormSizer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

King DE, et al. (2024) Lack of detectable sex differences in the mitochondrial function of Caenorhabditis elegans. BMC ecology and evolution, 24(1), 55.

Falsztyn IB, et al. (2024) Developmental and conditional regulation of DAF-2/INSR ubiquitination in Caenorhabditis elegans. bioRxiv: the preprint server for biology.

Misare KR, et al. (2023) The consequences of tetraploidy on Caenorhabditis elegans physiology and sensitivity to chemotherapeutics. Scientific reports, 13(1), 18125.

Webster AK, et al. (2022) Using population selection and sequencing to characterize natural variation of starvation resistance in Caenorhabditis elegans. eLife, 11.

Chen J, et al. (2022) Genetic analysis of daf-18/PTEN missense mutants for starvation resistance and developmental regulation during Caenorhabditis elegans L1 arrest. G3 (Bethesda, Md.), 12(6).

Webster AK, et al. (2022) Alternative somatic and germline gene-regulatory strategies during starvation-induced developmental arrest. Cell reports, 41(2), 111473.

Gonzalez-Hunt CP, et al. (2021) Multiple metabolic changes mediate the response of Caenorhabditis elegans to the complex I inhibitor rotenone. Toxicology, 447, 152630.

Jenkins NL, et al. (2020) Changes in ferrous iron and glutathione promote ferroptosis and frailty in aging Caenorhabditis elegans. eLife, 9.

Kumar S, et al. (2019) Lifespan Extension in C. elegans Caused by Bacterial Colonization of the Intestine and Subsequent Activation of an Innate Immune Response. Developmental cell, 49(1), 100.

Serrat X, et al. (2019) CRISPR editing of sftb-1/SF3B1 in Caenorhabditis elegans allows the identification of synthetic interactions with cancer-related mutations and the chemical inhibition of splicing. PLoS genetics, 15(10), e1008464.

Webster AK, et al. (2019) Population Selection and Sequencing of Caenorhabditis elegans Wild Isolates Identifies a Region on Chromosome III Affecting Starvation Resistance. G3 (Bethesda, Md.), 9(10), 3477.

Braun MM, et al. (2019) Modeling succinate dehydrogenase loss disorders in C. elegans through effects on hypoxia-inducible factor. PloS one, 14(12), e0227033.

Qi B, et al. (2018) Microbial Siderophore Enterobactin Promotes Mitochondrial Iron Uptake and Development of the Host via Interaction with ATP Synthase. Cell, 175(2), 571.

Hibshman JD, et al. (2017) daf-16/FoxO promotes gluconeogenesis and trehalose synthesis during starvation to support survival. eLife, 6.

Smolentseva O, et al. (2017) Mechanism of biofilm-mediated stress resistance and lifespan extension in C. elegans. Scientific reports, 7(1), 7137.

Hibshman JD, et al. (2016) Maternal Diet and Insulin-Like Signaling Control Intergenerational Plasticity of Progeny Size and Starvation Resistance. PLoS genetics, 12(10), e1006396.

Gomez-Amaro RL, et al. (2015) Measuring Food Intake and Nutrient Absorption in Caenorhabditis elegans. Genetics, 200(2), 443.

Moore BT, et al. (2013) WormSizer: high-throughput analysis of nematode size and shape. PloS one, 8(2), e57142.