Resource Summary Report

Generated by dkNET on May 16, 2025

Track-A-Worm

RRID:SCR_018299
Type: Tool

Proper Citation

Track-A-Worm (RRID:SCR_018299)

Resource Information

URL: https://health.uconn.edu/worm-lab/track-a-worm/

Proper Citation: Track-A-Worm (RRID:SCR_018299)

Description: Open source system for quantitative assessment of C. Elegans locomotory and bending behavior. Used for quantitative behavioral analyses to understand circuit and gene bases of behavior. Constantly records and analyzes position and body shape of freely moving worm at high magnification.

Synonyms: Tracker-A-Worm version 1.0, Tracker-A-Worm version 2.0

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

Defining Citation: PMID:23922769

Keywords: Quantitative assessment, C.Elegans locomotory, bending behavior, behavioral analysis, gene, moving worm position, body shape, automated recording

Funding: NIGMS R01 GM083049;
NIMH R01 MH085927

Availability: Free, Available for download, Freely available

Resource Name: Track-A-Worm

Resource ID: SCR_018299

Record Creation Time: 20220129T080339+0000

Record Last Update: 20250514T061833+0000

Ratings and Alerts

No rating or validation information has been found for Track-A-Worm.

No alerts have been found for Track-A-Worm.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Vedantham K, et al. (2024) Track-A-Worm 2.0: A Software Suite for Quantifying Properties of C. elegans Locomotion, Bending, Sleep, and Action Potentials. bioRxiv : the preprint server for biology.

Zhan X, et al. (2023) Locomotion modulates olfactory learning through proprioception in C. elegans. Nature communications, 14(1), 4534.

Niu LG, et al. (2020) Slo2 potassium channel function depends on RNA editing-regulated expression of a SCYL1 protein. eLife, 9.