

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

SJ4197

RRID:WB-STRAIN:WBStrain00034074

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00034074

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00034074>

Proper Citation: RRID:WB-STRAIN:WBStrain00034074

Description: Caenorhabditis elegans with name zcls39 II. from WB.

Species: Caenorhabditis elegans

Synonyms: zcls39 II.

Notes: Mutagen:UV/TMP|"Supplementary_genotype dve-1p::dve-1::GFP zcls39 contains [dve-1p::dve-1::GFP]"|"Supplementary_genotype zcls39 contains [dve-1p::dve-1::GFP]"|"Supplementary_genotype zcls39 II"|"Supplementary_genotype zcls39[dve-1p::dve-1::GFP]II"|"WBStrain provided so WBPaper00059545 paper added based on AFP_Strain data."|"zcls39 contains [dve-1p::dve-1::GFP]."

Affected Gene: WBGene00022861(dve-1)

Genomic Alteration: WBGene00022861(dve-1)

Catalog Number: WB-STRAIN:WBStrain00034074

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32294300](#), [PMID:35045336](#), [PMID:37831769](#), [PMID:37910615](#), [PMID:37980357](#)

Alternate IDs: WB-STRAIN:SJ4197, CGC_SJ4197

Organism Name: SJ4197

Record Creation Time: 20230227T013636+0000

Record Last Update: 20260815T163229+0000

Ratings and Alerts

No rating or validation information has been found for SJ4197.

No alerts have been found for SJ4197.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Li J, et al. (2025) TMBIM-2 orchestrates systemic mitochondrial stress response via facilitating Ca²⁺ oscillations. The Journal of cell biology, 224(5).

Cornell R, et al. (2025) Gas-sensing neurons prime mitochondrial fitness to offset metabolic stress. bioRxiv : the preprint server for biology.

Pu X, et al. (2024) Lysosomal dysfunction by inactivation of V-ATPase drives innate immune response in *C. elegans*. Cell reports, 43(5), 114138.

Hao F, et al. (2024) Bacterial peptidoglycan acts as a digestive signal mediating host adaptation to diverse food resources in *C. elegans*. Nature communications, 15(1), 3286.

Bar-Ziv R, et al. (2023) Glial-derived mitochondrial signals impact neuronal proteostasis and aging. bioRxiv : the preprint server for biology.

Bar-Ziv R, et al. (2023) Glial-derived mitochondrial signals affect neuronal proteostasis and aging. Science advances, 9(41), eadi1411.

Yang R, et al. (2022) NHR-80 senses the mitochondrial UPR to rewire citrate metabolism for lipid accumulation in *Caenorhabditis elegans*. Cell reports, 38(2), 110206.