Resource Summary Report

Generated by dkNET on Aug 19, 2026

CL2070

RRID:WB-STRAIN:WBStrain00005096
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005096

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00005096

Proper Citation: RRID:WB-STRAIN:WBStrain00005096

Description: Caenorhabditis elegans with name dvIs70. from WB.

Species: Caenorhabditis elegans

Synonyms: dvIs70.

Notes: dvIs70 [hsp-16.2p::GFP + rol-6(su1006)]. Roller. Integrated array containg pCL25 (hsp-16-2 promoter/GFP transcriptional fusion) and pRF4. Shows robust induction of GFP expression after heat induction. Not known where dvIs70 is integrated.|"Supplementary_genotype hsp-16.2::GFP dvIs70 [hsp-16.2p::GFP + rol-6(su1006)]"|"WBStrain mapped, WBPaper00059596 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00059669 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00059685 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060029 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061409 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061527 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061562 added based on AFP_Strain data."|"WBStrain provided so WBPaper00059545 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061870 paper added based on AFP_Strain data."

Affected Gene: WBGene00002016(hsp-16.2)

Genomic Alteration: WBGene00002016(hsp-16.2)

Catalog Number: WB-STRAIN:WBStrain00005096

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:10590837, PMID:32294300, PMID:32306217, PMID:32449565, PMID:32453327, PMID:32716378, PMID:33542359, PMID:34172445, PMID:34467850, PMID:36774344, PMID:37500972, PMID:37531332, PMID:37910615, PMID:37795690, PMID:38852157, PMID:39264947, PMID:39352120, PMID:39368088

Alternate IDs: WB-STRAIN:CL2070, CGC_CL2070

Organism Name: CL2070

Record Creation Time: 20230227T013257+0000

Record Last Update: 20260815T162347+0000

Ratings and Alerts

No rating or validation information has been found for CL2070.

No alerts have been found for CL2070.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Clay KJ, et al. (2026) Atypical tetracyclines promote longevity and ferroptotic neuroprotection via translation attenuation. bioRxiv : the preprint server for biology.

Alcala A, et al. (2026) A non-canonical role for UPRER during heat stress in C. elegans. bioRxiv : the preprint server for biology.

Zhao R, et al. (2025) CaMK modulates sensory neural activity to control longevity and proteostasis. Proceedings of the National Academy of Sciences of the United States of America, 122(20), e2423428122.

Demirbas B, et al. (2025) Body-wide synchronization of insulin-signaling dependent DAF-16/FOXO nuclear translocation pulses correlated with C. elegans growth. Nature communications, 16(1), 11273.

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

Oorloff M, et al. (2024) Growth on stiffer substrates impacts animal health and longevity in C. elegans. PloS one, 19(9), e0302673.

Bardan Sarmiento M, et al. (2024) CUL-6/cullin ubiquitin ligase-mediated degradation of HSP-90 by intestinal lysosomes promotes thermotolerance. Cell reports, 43(6), 114279.

Nauta KM, et al. (2024) A high-throughput screening platform for discovering bacterial species and small molecules that modify animal physiology. bioRxiv : the preprint server for biology.

Dutta N, et al. (2024) Investigating impacts of the mycothiazole chemotype as a chemical probe for the study of mitochondrial function and aging. GeroScience, 46(6), 6009.

Cornell R, et al. (2024) Neuro-intestinal acetylcholine signalling regulates the mitochondrial stress response in Caenorhabditis elegans. Nature communications, 15(1), 6594.

Garcia G, et al. (2023) Lipid homeostasis is essential for a maximal ER stress response. eLife, 12.

De-Souza EA, et al. (2023) Olfactory chemosensation extends lifespan through TGF-?? signaling and UPR activation. Nature aging, 3(8), 938.

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.

Gildea HK, et al. (2022) Glia of C. elegans coordinate a protective organismal heat shock response independent of the neuronal thermosensory circuit. Science advances, 8(49), eabq3970.