

Resource Summary Report

Generated by [NIF](#) on Aug 23, 2026

MQ887

RRID:WB-STRAIN:WBStrain00026670

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00026670

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00026670>

Proper Citation: RRID:WB-STRAIN:WBStrain00026670

Description: Caenorhabditis elegans with name isp-1(qm150) IV. from WB.

Species: Caenorhabditis elegans

Synonyms: isp-1(qm150) IV.

Notes: Made_by: Jin Liu Feng|"Reference WBPaper00060516 added based on published strain data identified by Textpresso literature search."|"Slow development and behavior. Grows better at 15C."|"Supplementary_genotype [isp-1(qm150)]|"WBStrain mapped, WBPaper00060896 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061483 added based on AFP_Strain data."|"WBStrain provided so WBPaper00059477 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061178 paper added based on AFP_Strain data."

Affected Gene: WBGene00002162(isp-1)

Genomic Alteration: WBGene00002162(isp-1)

Catalog Number: WB-STRAIN:WBStrain00026670

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:33087356](#), [PMID:33471780](#), [PMID:33542359](#), [PMID:33718883](#), [PMID:36653384](#), [PMID:36774344](#), [PMID:37120065](#), [PMID:37118502](#), [PMID:37427543](#), [PMID:37644339](#)

Alternate IDs: WB-STRAIN:MQ887, CGC_MQ887

Organism Name: MQ887

Record Creation Time: 20230227T013539+0000

Record Last Update: 20260815T163015+0000

Ratings and Alerts

No rating or validation information has been found for MQ887.

No alerts have been found for MQ887.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Ahsan FM, et al. (2026) Reductive death is averted by a conserved de novo lipogenic switch. *Molecular cell*, 86(13), 2539.

Kern CC, et al. (2025) Machine learning predicts lifespan and suggests underlying causes of death in aging *C. elegans*. *Communications biology*, 8(1), 1630.

Das P, et al. (2025) Iron-deplete diet enhances *Caenorhabditis elegans* lifespan via oxidative stress response pathways. *The EMBO journal*, 44(24), 7565.

Das P, et al. (2025) Iron-deplete diet enhances *Caenorhabditis elegans* lifespan via oxidative stress response pathways. *bioRxiv : the preprint server for biology*.

Zhou Y, et al. (2025) The nuclear pore complex connects energy sensing to transcriptional plasticity in longevity. *Molecular cell*, 85(19), 3605.

Das P, et al. (2024) Calcineurin inhibition enhances *Caenorhabditis elegans* lifespan by defecation defects-mediated calorie restriction and nuclear hormone signaling. *eLife*, 12.

Sun M, et al. (2024) TSG Extends the Longevity of *Caenorhabditis elegans* by Targeting the DAF-16/SKN-1/SIR-2.1-Mediated Mitochondrial Quality Control Process. *Antioxidants (Basel, Switzerland)*, 13(9).

Wang G, et al. (2023) The glyoxylate shunt protein ICL-1 protects from mitochondrial superoxide stress through activation of the mitochondrial unfolded protein response. *Free radical biology & medicine*, 208, 771.

Daskalaki I, et al. (2023) Local coordination of mRNA storage and degradation near mitochondria modulates *C. elegans* ageing. The EMBO journal, 42(16), e112446.

Pu L, et al. (2023) Hypoxia induces food leaving in *C. elegans*. microPublication biology, 2023.

Robbins CE, et al. (2022) Cytosolic and mitochondrial tRNA synthetase inhibitors increase lifespan in a GCN4/atf-4-dependent manner. iScience, 25(11), 105410.