

Resource Summary Report

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

JIN1375

RRID:WB-STRAIN:WBStrain00022468

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00022468

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00022468>

Proper Citation: RRID:WB-STRAIN:WBStrain00022468

Description: Caenorhabditis elegans with name hlh-30(tm1978) IV. from WB.

Species: Caenorhabditis elegans

Synonyms: hlh-30(tm1978) IV.

Notes: Made_by: Mitani & Irazoqui|"Superficially wild-type. Grows at standard conditions. Reference: Settembre C, et al. Nat Cell Biol. 2013 Jun;15(6):647-58."|"Supplementary_genotype hlh-30(tm1978) IV"|"WBStrain mapped, WBPaper00059578 added based on AFP_Strain data."

Affected Gene: WBGene00020930(hlh-30)

Genomic Alteration: WBGene00020930(hlh-30)

Catalog Number: WB-STRAIN:WBStrain00022468

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32302543](#), [PMID:37957360](#), [PMID:38446031](#), [PMID:38529797](#), [PMID:39418305](#), [PMID:39995862](#)

Alternate IDs: WB-STRAIN:JIN1375, CGC_JIN1375

Organism Name: JIN1375

Record Creation Time: 20230227T013508+0000

Record Last Update: 20260815T162858+0000

Ratings and Alerts

No rating or validation information has been found for JIN1375.

No alerts have been found for JIN1375.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Liu X, et al. (2025) MONITTR allows real-time imaging of transcription and endogenous proteins in *C. elegans*. *The Journal of cell biology*, 224(1).

Nonninger TJ, et al. (2025) A TFEB-TGF β axis systemically regulates diapause, stem cell resilience and protects against a senescence-like state. *Nature aging*, 5(7), 1340.

Li TY, et al. (2025) A lysosomal surveillance response to stress extends healthspan. *Nature cell biology*, 27(7), 1083.

Rao R, et al. (2025) Inhibition of the UFD-1-NPL-4 complex triggers an aberrant immune response in *Caenorhabditis elegans*. *eLife*, 13.

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

Ghosh A, et al. (2025) RNA methyltransferase CMTR-1 inhibition activates a GATA transcription factor-mediated protective immune response. *bioRxiv : the preprint server for biology*.

Rao R, et al. (2025) Inhibition of the UFD-1-NPL-4 complex triggers an aberrant immune response in *Caenorhabditis elegans*. *bioRxiv : the preprint server for biology*.

Gahlot S, et al. (2025) Bacterial metabolism of tryptophan causes toxicity in *Caenorhabditis elegans* that is alleviated by sugar supplementation. *bioRxiv : the preprint server for biology*.

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.

Shalash R, et al. (2024) HLH-30/TFEB rewires the chaperone network to promote proteostasis under conditions of Coenzyme A and Iron-Sulfur Cluster Deficiency. *bioRxiv* : the preprint server for biology.

Ham S, et al. (2024) Combinatorial transcriptomic and genetic dissection of insulin/IGF-1 signaling-regulated longevity in *Caenorhabditis elegans*. *Aging cell*, 23(7), e14151.

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

Taylor SKB, et al. (2024) The neurotrophic factor MANF regulates autophagy and lysosome function to promote proteostasis in *Caenorhabditis elegans*. *Proceedings of the National Academy of Sciences of the United States of America*, 121(43), e2403906121.

Otarigho B, et al. (2024) Neuronal NPR-15 modulates molecular and behavioral immune responses via the amphid sensory neuron-intestinal axis in *C. elegans*. *eLife*, 12.

Yin X, et al. (2024) Cysteine protease cathepsin B promotes lysosome integrity to extend the lifespan of alternative day fasting worms. *Aging cell*, 23(11), e14286.

Otarigho B, et al. (2023) Neuronal NPR-15 modulates molecular and behavioral immune responses via the amphid sensory neuron-intestinal axis in *C. elegans*. *bioRxiv* : the preprint server for biology.

Chamoli M, et al. (2023) A drug-like molecule engages nuclear hormone receptor DAF-12/FXR to regulate mitophagy and extend lifespan. *Nature aging*, 3(12), 1529.

Huang X, et al. (2023) PIWI-interacting RNA expression regulates pathogenesis in a *Caenorhabditis elegans* model of Lewy body disease. *Nature communications*, 14(1), 6137.

Mohankumar A, et al. (2022) Santalol Isomers Inhibit Transthyretin Amyloidogenesis and Associated Pathologies in *Caenorhabditis elegans*. *Frontiers in pharmacology*, 13, 924862.