

Resource Summary Report

Generated by [NIF](#) on Sep 4, 2026

CB1370

RRID:WB-STRAIN:WBStrain00004309

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00004309

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00004309>

Proper Citation: RRID:WB-STRAIN:WBStrain00004309

Description: Caenorhabditis elegans with name daf- 2(e1370) from WB.

Species: Caenorhabditis elegans

Synonyms: daf- 2(e1370)

Notes: Generated from papers flagged positive during the last month for data type afp_strain/other_strain.|"Made_by: Edgar B"|"Reference WBPaper00058640 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059117 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059256 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059723 added based on published strain data identified by Textpresso literature search."|"Substitution:Missense P->S"|"Supplementary_genotype daf-2(e1370)"|"Supplementary_genotype [daf-2(e1370)]"|"Temperature sensitive dauer constitutive. Maintain at 15C. 100% dauers at 25C. 15% dauer formation at 20C. Long-lived. M-MATING+LOW TEMPERATURE ONLY."|"WBStrain mapped, WBPaper00059548 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00059578 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00059803 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00059850 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060204 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060449 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060456 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060486 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060545 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060669 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060692 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060778 added based on AFP_Strain

data."|"WBStrain mapped, WBPaper00060797 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060840 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060896 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060924 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060976 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061045 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061131 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061159 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061236 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061385 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061409 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061436 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061452 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061483 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061495 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061497 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061527 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061547 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061584 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061615 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061641 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061671 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061869 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061871 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061890 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061895 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061902 added based on AFP_Strain data."|"WBStrain provided so WBPaper00059679 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060484 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060963 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061733 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061852 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061869 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061925 paper added based on AFP_Strain data."

Affected Gene: WBGene00000898(daf-2)

Genomic Alteration: WBGene00000898(daf-2)

Catalog Number: WB-STRAIN:WBStrain00004309

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:23604319](#), [PMID:30889411](#), [PMID:31397537](#), [PMID:30963762](#), [PMID:31797327](#), [PMID:31940482](#), [PMID:32010481](#), [PMID:32009302](#), [PMID:32302543](#), [PMID:32452864](#), [PMID:32457411](#), [PMID:32514704](#), [PMID:32575074](#),

[PMID:32875367](#), [PMID:33034119](#), [PMID:33319173](#), [PMID:33335258](#), [PMID:33471780](#),
[PMID:33515186](#), [PMID:33673074](#), [PMID:34300683](#), [PMID:34449775](#), [PMID:34505574](#),
[PMID:33851304](#), [PMID:34634043](#), [PMID:36794357](#), [PMID:36798906](#), [PMID:37058536](#),
[PMID:37120065](#), [PMID:37118512](#), [PMID:37118503](#), [PMID:37118502](#), [PMID:37126715](#),
[PMID:37122724](#), [PMID:37427543](#), [PMID:37046086](#), [PMID:37440595](#), [PMID:37507441](#),
[PMID:37577954](#), [PMID:37591249](#), [PMID:37606250](#), [PMID:37644339](#), [PMID:37782016](#),
[PMID:37867965](#), [PMID:37991448](#), [PMID:37982457](#), [PMID:38240316](#), [PMID:38418585](#),
[PMID:38483995](#), [PMID:38443452](#), [PMID:38378098](#), [PMID:38573858](#), [PMID:38632209](#),
[PMID:38769103](#), [PMID:38816072](#), [PMID:38869949](#), [PMID:38869752](#), [PMID:38966057](#),
[PMID:39285192](#), [PMID:39284915](#), [PMID:39368088](#), [PMID:39395417](#)

Alternate IDs: WB-STRAIN:CB1370, CGC_CB1370

Organism Name: CB1370

Record Creation Time: 20230227T013251+0000

Record Last Update: 20260829T161254+0000

Ratings and Alerts

No rating or validation information has been found for CB1370.

No alerts have been found for CB1370.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 71 mentions in open access literature.

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

Chang YH, et al. (2026) fln-2 isoform-specifically regulates Caenorhabditis elegans health span by affecting pharyngeal function. Scientific reports, 16(1).

Fisher K, et al. (2026) Transcriptome- and phenotype-based epistasis analysis in Caenorhabditis elegans reveals daf-16/FoxO-dependent and independent effects of daf-2/InsR in L1 starvation and recovery. G3 (Bethesda, Md.), 16(3).

Sural S, et al. (2025) Gut epithelium modifies enteric behaviors during nutritional adversity via distinct peptidergic signaling axes. Science advances, 11(39), eadw1270.

Hu IM, et al. (2025) Immuno-metabolic stress responses control longevity from mitochondrial translation inhibition in C. elegans. Nature communications, 16(1), 6083.

Turner CD, et al. (2025) Activated SKN-1 alters the aging trajectories of long-lived *Caenorhabditis elegans* mutants. *Genetics*, 229(4).

Li S, et al. (2025) Environmental factors capable of broadly interfering with nutritional lifespan extension paradigms. *iScience*, 28(7), 112827.

Rautela U, et al. (2025) DAF-16/FOXO maintains genome integrity following genotoxic stress. *bioRxiv : the preprint server for biology*.

Falsztyn IB, et al. (2025) Developmental and conditional regulation of DAF-2/INSR ubiquitination in *Caenorhabditis elegans*. *G3 (Bethesda, Md.)*, 15(3).

Liu Y, et al. (2025) Neuronal detection triggers systemic digestive shutdown in response to adverse food sources in *Caenorhabditis elegans*. *eLife*, 14.

Koitz FA, et al. (2025) Pre-dauer starvation decouples somatic from germline development with lifelong reproductive consequences in *C. elegans*. *bioRxiv : the preprint server for biology*.

Li G, et al. (2025) A gut-brain-gut axis orchestrates host responses counteracting microbiome-induced iron insufficiency. *The EMBO journal*, 44(24), 7590.

Hall AN, et al. (2025) Phenotypic tolerance for rDNA copy number variation within the natural range of *C. elegans*. *PLoS genetics*, 21(7), e1011759.

Athar F, et al. (2025) Glucose enrichment accelerates *C. elegans* reproductive aging via non-autonomous DAF-2/insulin-like receptor signaling in somatic tissues. *bioRxiv : the preprint server for biology*.

Pohl F, et al. (2025) Environmental NaCl affects *C. elegans* development and aging. *bioRxiv : the preprint server for biology*.

Banerjee N, et al. (2024) Distinct neurogenetic mechanisms establish the same chemosensory valence state at different life stages in *Caenorhabditis elegans*. *G3 (Bethesda, Md.)*, 14(2).

Muhammad T, et al. (2024) Non-cell-autonomous regulation of germline proteostasis by insulin/IGF-1 signaling-induced dietary peptide uptake via PEPT-1. *The EMBO journal*, 43(21), 4892.

Franco-Romero A, et al. (2024) C16ORF70/MYTHO promotes healthy aging in *C.elegans* and prevents cellular senescence in mammals. *The Journal of clinical investigation*, 134(15).

Rautela U, et al. (2024) A non-canonical role of somatic Cyclin D/CYD-1 in oogenesis and in maintenance of reproductive fidelity, dependent on the FOXO/DAF-16 activation state. *PLoS genetics*, 20(11), e1011453.

Yu Y, et al. (2024) Organelle proteomic profiling reveals lysosomal heterogeneity in association with longevity. *eLife*, 13.

Godthi A, et al. (2024) Neuronal IL-17 controls *Caenorhabditis elegans* developmental diapause through CEP-1/p53. *Proceedings of the National Academy of Sciences of the*

United States of America, 121(12), e2315248121.