

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 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: 20260725T171651+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 55 mentions in open access literature.

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

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

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

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

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*.

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.

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

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

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.

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).

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.

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).

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.

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.

Li H, et al. (2024) Dimethylsulfoniopropionate (DMSP) Increases Longevity and Mitochondrial Function in *Caenorhabditis elegans*: Implications for the Role of the Global Sulfur Cycle in Terrestrial Ecosystems. *Environment & health* (Washington, D.C.), 2(8), 572.

Falsztyn IB, et al. (2024) Developmental and conditional regulation of DAF-2/INSR ubiquitination in *Caenorhabditis elegans*. *bioRxiv* : the preprint server for biology.

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.

Huang Y, et al. (2024) Research on the anti-oxidant and anti-aging effects of *Polygonatum kingianum* saponins in *Caenorhabditis elegans*. *Heliyon*, 10(15), e35556.

Corchado JC, et al. (2024) Robustness and variability in *Caenorhabditis elegans* dauer gene expression. bioRxiv : the preprint server for biology.