

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

DR1563

RRID:WB-STRAIN:WBStrain00006375

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00006375

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00006375>

Proper Citation: RRID:WB-STRAIN:WBStrain00006375

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

Species: Caenorhabditis elegans

Synonyms: daf-2(e1370) IIIC

Notes: Derived from CB1370 by backcrossing 3x with N2

Affected Gene: WBGene00000898(daf-2)

Genomic Alteration: WBGene00000898(daf-2)

Catalog Number: WB-STRAIN:WBStrain00006375

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: [PMID:21839827](#)

Alternate IDs: WB-STRAIN:DR1563

Organism Name: DR1563

Record Creation Time: 20230227T013307+0000

Record Last Update: 20260829T161334+0000

Ratings and Alerts

No rating or validation information has been found for DR1563.

No alerts have been found for DR1563.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

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

Yin J, et al. (2023) Video-rate mid-infrared photothermal imaging by single-pulse photothermal detection per pixel. *Science advances*, 9(24), eadg8814.

Yang WH, et al. (2023) Impaired immune response and barrier function in GSPD-1-deficient *C. elegans* infected with *Klebsiella pneumoniae*. *Current research in microbial sciences*, 4, 100181.

Zhao L, et al. (2022) Insight of Silkworm Pupa Oil Regulating Oxidative Stress and Lipid Metabolism in *Caenorhabditis elegans*. *Foods (Basel, Switzerland)*, 11(24).

Hu R, et al. (2022) *Pediococcus acidilactici* Promotes the Longevity of *C. elegans* by Regulating the Insulin/IGF-1 and JNK/MAPK Signaling, Fat Accumulation and Chloride Ion. *Frontiers in nutrition*, 9, 821685.

de Guzman ACV, et al. (2022) High-Glucose Diet Attenuates the Dopaminergic Neuronal Function in *C. elegans*, Leading to the Acceleration of the Aging Process. *ACS omega*, 7(36), 32339.

Taylor M, et al. (2021) Host Immunity Alters Community Ecology and Stability of the Microbiome in a *Caenorhabditis elegans* Model. *mSystems*, 6(2).

Brycki JD, et al. (2021) Temporal Transcriptomics of Gut *Escherichia coli* in *Caenorhabditis elegans* Models of Aging. *Microbiology spectrum*, 9(2), e0049821.

Zhang X, et al. (2021) Immunomodulatory effect of pentagalloyl glucose in LPS-stimulated RAW264.7 macrophages and PAO1-induced *Caenorhabditis elegans*. *Experimental gerontology*, 150, 111388.

Rahman M, et al. (2020) NemaLife chip: a micropillar-based microfluidic culture device optimized for aging studies in crawling *C. elegans*. *Scientific reports*, 10(1), 16190.

Kadekar P, et al. (2019) AMPK regulates germline stem cell quiescence and integrity through an endogenous small RNA pathway. *PLoS biology*, 17(6), e3000309.

Li C, et al. (2019) Recombinant buckwheat trypsin inhibitor decreases fat accumulation via the IIS pathway in *Caenorhabditis elegans*. *Experimental gerontology*, 128, 110753.

Arantes LP, et al. (2018) Mechanisms involved in anti-aging effects of guarana (*Paullinia cupana*) in *Caenorhabditis elegans*. *Brazilian journal of medical and biological research = Revista brasileira de pesquisas medicas e biologicas*, 51(9), e7552.

Rieckher M, et al. (2018) Maintenance of Proteostasis by P Body-Mediated Regulation of eIF4E Availability during Aging in *Caenorhabditis elegans*. *Cell reports*, 25(1), 199.

Somogyvári M, et al. (2018) DAF-21/Hsp90 is required for *C. elegans* longevity by ensuring DAF-16/FOXO isoform A function. *Scientific reports*, 8(1), 12048.

Fouad AD, et al. (2017) Quantitative Assessment of Fat Levels in *Caenorhabditis elegans* Using Dark Field Microscopy. *G3 (Bethesda, Md.)*, 7(6), 1811.