Resource Summary Report

Generated by dkNET on Aug 17, 2026

DA1116

RRID:WB-STRAIN:WBStrain00005548
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005548

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00005548

Proper Citation: RRID:WB-STRAIN:WBStrain00005548

Description: Caenorhabditis elegans with name eat-2(ad1116) II. from WB.

Species: Caenorhabditis elegans

Synonyms: eat-2(ad1116) II.

Notes: Eat. Slow pumping. Long lived. Embryonic lethality observed in a significant fraction of animals is likely explained by a mutation in an essential gene linked to eat-2|"Reference WBPaper00058832 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059755 added based on published strain data identified by Textpresso literature search."|"Supplementary_genotype [eat-2(ad1116)]"|"WBStrain mapped, WBPaper00060896 added based on AFP_Strain data."|"WBStrain provided so WBPaper00061750 paper added based on AFP_Strain data."

Affected Gene: WBGene00001133(eat-2)

Genomic Alteration: WBGene00001133(eat-2)

Catalog Number: WB-STRAIN:WBStrain00005548

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:31704915, PMID:32482227, PMID:32566245, PMID:32978396, PMID:33471780, PMID:33666644, PMID:34321666, PMID:36653384, PMID:37644339, PMID:38869949, PMID:39572679

Alternate IDs: WB-STRAIN:DA1116, CGC_DA1116

Organism Name: DA1116

Record Creation Time: 20230227T013300+0000

Record Last Update: 20260815T162355+0000

Ratings and Alerts

No rating or validation information has been found for DA1116.

No alerts have been found for DA1116.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 35 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Van Raamsdonk JM, et al. (2026) Mild mitochondrial impairment activates overlapping longevity pathways converging on the flavin-containing monooxygenase FMO-2. Frontiers in aging, 7, 1808540.

Van Raamsdonk JM, et al. (2026) Mild Mitochondrial Impairment Activates Overlapping Longevity Pathways Converging on the Flavin-Containing Monooxygenase FMO-2. bioRxiv : the preprint server for biology.

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).

Morrow CS, et al. (2024) Endogenous mitochondrial NAD(P)H fluorescence can predict lifespan. Communications biology, 7(1), 1551.

Rothi MH, et al. (2024) The 18S rRNA Methyltransferase DIMT-1 Regulates Lifespan in the Germline Later in Life. Research square.

Hafiz Rothi M, et al. (2024) The 18S rRNA Methyltransferase DIMT-1 Regulates Lifespan in the Germline Later in Life. bioRxiv : the preprint server for biology.

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.

Ciccarelli EJ, et al. (2024) BMP signaling to pharyngeal muscle in the C. elegans response to a bacterial pathogen regulates anti-microbial peptide expression and pharyngeal pumping. Molecular biology of the cell, 35(4), ar52.

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.

Suryawinata N, et al. (2024) Dietary E. coli promotes age-dependent chemotaxis decline in C. elegans. Scientific reports, 14(1), 5529.

Wang S, et al. (2023) APPA Increases Lifespan and Stress Resistance via Lipid Metabolism and Insulin/IGF-1 Signal Pathway in Caenorhabditis elegans. International journal of molecular sciences, 24(18).

Wu N, et al. (2023) The metabolite alpha-ketobutyrate extends lifespan by promoting peroxisomal function in C. elegans. Nature communications, 14(1), 240.

Hahm JH, et al. (2023) The innate immune signaling component FBXC-58 mediates dietary restriction effects on healthy aging in Caenorhabditis elegans. Aging, 15(1), 21.

Ciccarelli EJ, et al. (2023) BMP signaling to pharyngeal muscle in the C. elegans immune response to bacterial pathogen regulates anti-microbial peptide expression and pharyngeal pumping. bioRxiv : the preprint server for biology.

Matai L, et al. (2023) The conserved microRNA-229 family controls low-insulin signaling and dietary restriction induced longevity through interactions with SKN-1/NRF2. Aging cell, 22(4), e13785.

Higurashi S, et al. (2023) Bacterial diet affects the age-dependent decline of associative learning in Caenorhabditis elegans. eLife, 12.

Caron M, et al. (2022) Loss of SET1/COMPASS methyltransferase activity reduces lifespan and fertility in Caenorhabditis elegans. Life science alliance, 5(3).

Statzer C, et al. (2022) Longevity interventions temporally scale healthspan in Caenorhabditis elegans. iScience, 25(3), 103983.

Chen H, et al. (2022) Betulinic acid increases lifespan and stress resistance via insulin/IGF-1 signaling pathway in Caenorhabditis elegans. Frontiers in nutrition, 9, 960239.

Soo SK, et al. (2021) Activation of mitochondrial unfolded protein response protects against multiple exogenous stressors. Life science alliance, 4(12).