

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

GA114

RRID:WB-STRAIN:WBStrain00007657

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00007657

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00007657>

Proper Citation: RRID:WB-STRAIN:WBStrain00007657

Description: Caenorhabditis elegans with name daf-16(mgDf50) I; daf-2(e1370) III from WB.

Species: Caenorhabditis elegans

Synonyms: daf-16(mgDf50) I; daf-2(e1370) III

Notes: EMPTY

Affected Gene: WBGene00000898(daf-2)|WBGene00000912(daf-16)

Genomic Alteration: WBGene00000898(daf-2), WBGene00000912(daf-16)

Catalog Number: WB-STRAIN:WBStrain00007657

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: [PMID:21839827](#), [PMID:37474586](#)

Alternate IDs: WB-STRAIN:GA114

Organism Name: GA114

Record Creation Time: 20230227T013316+0000

Record Last Update: 20260905T114704+0000

Ratings and Alerts

No rating or validation information has been found for GA114.

No alerts have been found for GA114.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 15 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.

Kern CC, et al. (2023) *C. elegans* ageing is accelerated by a self-destructive reproductive programme. *Nature communications*, 14(1), 4381.

Koyuncu S, et al. (2021) Rewiring of the ubiquitinated proteome determines ageing in *C. elegans*. *Nature*, 596(7871), 285.

Pérez-Jiménez MM, et al. (2021) Steroid hormones sulfatase inactivation extends lifespan and ameliorates age-related diseases. *Nature communications*, 12(1), 49.

Jia X, et al. (2019) Reducing Effect of Farnesylquinone on Lipid Mass in *C. elegans* by Modulating Lipid Metabolism. *Marine drugs*, 17(6).

Gioran A, et al. (2019) Multi-omics identify xanthine as a pro-survival metabolite for nematodes with mitochondrial dysfunction. *The EMBO journal*, 38(6).

Tawo R, et al. (2017) The Ubiquitin Ligase CHIP Integrates Proteostasis and Aging by Regulation of Insulin Receptor Turnover. *Cell*, 169(3), 470.

Noormohammadi A, et al. (2016) Somatic increase of CCT8 mimics proteostasis of human pluripotent stem cells and extends *C. elegans* lifespan. *Nature communications*, 7, 13649.

Dhondt I, et al. (2016) FOXO/DAF-16 Activation Slows Down Turnover of the Majority of Proteins in *C. elegans*. *Cell reports*, 16(11), 3028.

Erkut C, et al. (2016) The glyoxylate shunt is essential for desiccation tolerance in *C. elegans* and budding yeast. *eLife*, 5.

Lourenço AB, et al. (2015) Analysis of the effect of the mitochondrial prohibitin complex, a context-dependent modulator of longevity, on the *C. elegans* metabolome. *Biochimica et biophysica acta*, 1847(11), 1457.

Cunningham KA, et al. (2014) Loss of a neural AMP-activated kinase mimics the effects of elevated serotonin on fat, movement, and hormonal secretions. PLoS genetics, 10(6), e1004394.

Calixto A, et al. (2012) Diapause formation and downregulation of insulin-like signaling via DAF-16/FOXO delays axonal degeneration and neuronal loss. PLoS genetics, 8(12), e1003141.

McGee MD, et al. (2012) cep-1/p53-dependent dysplastic pathology of the aging C. elegans gonad. Aging, 4(4), 256.

Ben Arous J, et al. (2009) Molecular and sensory basis of a food related two-state behavior in C. elegans. PLoS one, 4(10), e7584.