

Resource Summary Report

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CW152

RRID:WB-STRAIN:WBStrain00005211

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005211

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005211>

Proper Citation: RRID:WB-STRAIN:WBStrain00005211

Description: Caenorhabditis elegans with name gas-1(fc21) X. from WB.

Species: Caenorhabditis elegans

Synonyms: gas-1(fc21) X.

Notes: Hypersensitive to volatile anesthetics. Temperature sensitive hypomorph and should be propagated at or below 20C. Low brood size.|"Supplementary_genotype gas-1(fc21) X"|"WBStrain mapped, WBPaper00061258 added based on AFP_Strain data."

Affected Gene: WBGene00001520(gas-1)

Genomic Alteration: WBGene00001520(gas-1)

Catalog Number: WB-STRAIN:WBStrain00005211

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:9952163](#), [PMID:33542359](#), [PMID:33713125](#), [PMID:33640978](#), [PMID:37957360](#)

Alternate IDs: WB-STRAIN:CW152, CGC_CW152

Organism Name: CW152

Record Creation Time: 20230227T013258+0000

Ratings and Alerts

No rating or validation information has been found for CW152.

No alerts have been found for CW152.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Ahsan FM, et al. (2026) Reductive death is averted by a conserved de novo lipogenic switch. *Molecular cell*, 86(13), 2539.

Mitchell DV, et al. (2025) *ndufs2*^{-/-} zebrafish have impaired survival, neuromuscular activity, morphology, and one-carbon metabolism treatable with folic acid. *bioRxiv* : the preprint server for biology.

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

Sun M, et al. (2024) TSG Extends the Longevity of *Caenorhabditis elegans* by Targeting the DAF-16/SKN-1/SIR-2.1-Mediated Mitochondrial Quality Control Process. *Antioxidants* (Basel, Switzerland), 13(9).

Talarmin-Gas C, et al. (2024) Validation of metaxin-2 deficient *C. elegans* as a model for MandibuloAcral Dysplasia associated to *mtx-2* (MADaM) syndrome. *Communications biology*, 7(1), 1398.

Pu L, et al. (2023) Hypoxia induces food leaving in *C. elegans*. *microPublication biology*, 2023.

Wang G, et al. (2023) The glyoxylate shunt protein ICL-1 protects from mitochondrial superoxide stress through activation of the mitochondrial unfolded protein response. *Free radical biology & medicine*, 208, 771.

Chamoli M, et al. (2023) A drug-like molecule engages nuclear hormone receptor DAF-12/FXR to regulate mitophagy and extend lifespan. *Nature aging*, 3(12), 1529.

Hershberger KA, et al. (2021) Early-life mitochondrial DNA damage results in lifelong deficits in energy production mediated by redox signaling in *Caenorhabditis elegans*.

Redox biology, 43, 102000.

Liu S, et al. (2021) Glycerol-3-phosphate biosynthesis regenerates cytosolic NAD⁺ to alleviate mitochondrial disease. *Cell metabolism*, 33(10), 1974.

Hahm JH, et al. (2020) A cellular surveillance and defense system that delays aging phenotypes in *C. elegans*. *Aging*, 12(9), 8202.

Desjardins D, et al. (2017) Antioxidants reveal an inverted U-shaped dose-response relationship between reactive oxygen species levels and the rate of aging in *Caenorhabditis elegans*. *Aging cell*, 16(1), 104.

Zhao Y, et al. (2015) Lactic Acid Bacteria Protects *Caenorhabditis elegans* from Toxicity of Graphene Oxide by Maintaining Normal Intestinal Permeability under different Genetic Backgrounds. *Scientific reports*, 5, 17233.

Baruah A, et al. (2014) CEP-1, the *Caenorhabditis elegans* p53 homolog, mediates opposing longevity outcomes in mitochondrial electron transport chain mutants. *PLoS genetics*, 10(2), e1004097.

Vaccaro A, et al. (2012) Methylene blue protects against TDP-43 and FUS neuronal toxicity in *C. elegans* and *D. rerio*. *PloS one*, 7(7), e42117.

Hench J, et al. (2011) A tissue-specific approach to the analysis of metabolic changes in *Caenorhabditis elegans*. *PloS one*, 6(12), e28417.

Zubovych IO, et al. (2010) Mitochondrial dysfunction confers resistance to multiple drugs in *Caenorhabditis elegans*. *Molecular biology of the cell*, 21(6), 956.