

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

CU5991

RRID:WB-STRAIN:WBStrain00005194

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005194

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005194>

Proper Citation: RRID:WB-STRAIN:WBStrain00005194

Description: Caenorhabditis elegans with name fzo-1(tm1133) II. from WB.

Species: Caenorhabditis elegans

Synonyms: fzo-1(tm1133) II.

Notes: Mutagen:TMP+UV|"Mutagen:TMP/UV"| "Slow growth. Reference: Breckenridge DG, et al. Mol Cell. 2008 Aug 22;31(4):586-97."|"WBStrain mapped, WBPaper00059578 added based on AFP_Strain data."

Affected Gene: WBGene00001509(fzo-1)

Genomic Alteration: WBGene00001509(fzo-1)

Catalog Number: WB-STRAIN:WBStrain00005194

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32302543](#), [PMID:36653384](#)

Alternate IDs: WB-STRAIN:CU5991, CGC_CU5991

Organism Name: CU5991

Record Creation Time: 20230227T013258+0000

Record Last Update: 20260815T162349+0000

Ratings and Alerts

No rating or validation information has been found for CU5991.

No alerts have been found for CU5991.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Michaeli L, et al. (2024) ULP-2 SUMO protease regulates UPRmt and mitochondrial homeostasis in *Caenorhabditis elegans*. *Free radical biology & medicine*, 214, 19.

Vodiřková A, et al. (2024) Mitochondrial energy state controls AMPK-mediated foraging behavior in *C. elegans*. *Science advances*, 10(16), eadm8815.

Hartman JH, et al. (2019) Genetic Defects in Mitochondrial Dynamics in *Caenorhabditis elegans* Impact Ultraviolet C Radiation- and 6-hydroxydopamine-Induced Neurodegeneration. *International journal of molecular sciences*, 20(13).

Johnson D, et al. (2010) Mitochondrial fragmentation leads to intracellular acidification in *Caenorhabditis elegans* and mammalian cells. *Molecular biology of the cell*, 21(13), 2191.