

# Resource Summary Report

Generated by [dkNET](#) on Aug 18, 2026

## CU5991

RRID:WB-STRAIN:WBStrain00005194

Type: Organism

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### Proper Citation

RRID:WB-STRAIN:WBStrain00005194

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### 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

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## Ratings and Alerts

No rating or validation information has been found for CU5991.

No alerts have been found for CU5991.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

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.