

Resource Summary Report

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

CU1546

RRID:WB-STRAIN:WBStrain00005190

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005190

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005190>

Proper Citation: RRID:WB-STRAIN:WBStrain00005190

Description: Caenorhabditis elegans with name smls34. from WB.

Species: Caenorhabditis elegans

Synonyms: smls34.

Notes: Mutagen:Gamma rays|"smls34 [ced-1p::ced-1::GFP + rol-6(su1006)]. Maintain under standard conditions. Reference: Zou W, et al., (2009) PLoS Genet. 5(10):e1000679."

Catalog Number: WB-STRAIN:WBStrain00005190

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:36774344](#), [PMID:37118512](#), [PMID:37577954](#)

Alternate IDs: WB-STRAIN:CU1546, CGC_CU1546

Organism Name: CU1546

Record Creation Time: 20230227T013258+0000

Record Last Update: 20260808T170808+0000

Ratings and Alerts

No rating or validation information has been found for CU1546.

No alerts have been found for CU1546.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Rautela U, et al. (2025) DAF-16/FOXO maintains genome integrity following genotoxic stress. bioRxiv : the preprint server for biology.

Rautela U, et al. (2024) A non-canonical role of somatic Cyclin D/CYD-1 in oogenesis and in maintenance of reproductive fidelity, dependent on the FOXO/DAF-16 activation state. PLoS genetics, 20(11), e1011453.

Min H, et al. (2024) A role for BYN-1/bystin in cellular uptake and clearance of residual bodies in the Caenorhabditis elegans germline. Development (Cambridge, England), 151(19).

Venkatachalam T, et al. (2023) CED-5/CED-12 (DOCK/ELMO) can promote and inhibit F-actin formation via distinct motifs that target different GTPases. bioRxiv : the preprint server for biology.

Heydari F, et al. (2023) The New Nematicide Cyclobutrifluram Targets the Mitochondrial Succinate Dehydrogenase Complex in Caenorhabditis elegans. Journal of developmental biology, 11(4).

Papandreou ME, et al. (2023) Nucleophagy delays aging and preserves germline immortality. Nature aging, 3(1), 34.

Yuan L, et al. (2022) trim-21 promotes proteasomal degradation of CED-1 for apoptotic cell clearance in C. elegans. eLife, 11.

Brockway H, et al. (2014) The CSN/COP9 signalosome regulates synaptonemal complex assembly during meiotic prophase I of Caenorhabditis elegans. PLoS genetics, 10(11), e1004757.