

Resource Summary Report

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DCL569

RRID:WB-STRAIN:WBStrain00005607

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005607

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005607>

Proper Citation: RRID:WB-STRAIN:WBStrain00005607

Description: Caenorhabditis elegans with name mkcSi13 II; rde-1(mkc36) V from WB.

Species: Caenorhabditis elegans

Synonyms: mkcSi13 II; rde-1(mkc36) V

Notes: Made_by: Lina Zou|"mkcSi13 [sun-1p::rde-1::sun-1 3'UTR + unc-119(+)] II. Germline rescue of the rde-1(mkc36) indel mutation, allowing germline-specific RNAi. Reference: Zou L, et al. Scientific Reports Volume 9, Article number: 2354 (2019) Construction of a germline-specific RNAi tool in C. elegans."|"Supplementary_genotype mkcSi13 [sun-1p::rde-1::sun-1 3'UTR + unc-119(+)] II|"Supplementary_genotype mkcSi13[sun-1p::rde-1::sun-1 3'UTR + unc-119(+)] II; rde-1(mkc36) V|"Supplementary_genotype [rde-1; sun-1p::rde-1]"|"WBStrain mapped, WBPaper00060738 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061562 added based on AFP_Strain data."|"WBStrain provided so WBPaper00060343 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061869 paper added based on AFP_Strain data."

Affected Gene: WBGene00004323(rde-1)

Genomic Alteration: WBGene00004323(rde-1)

Catalog Number: WB-STRAIN:WBStrain00005607

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32943454](#), [PMID:33289480](#), [PMID:33594200](#), [PMID:34172445](#), [PMID:34648748](#), [PMID:36176234](#), [PMID:37058536](#), [PMID:37118550](#), [PMID:37577954](#), [PMID:37708895](#), [PMID:38740431](#), [PMID:38852157](#), [PMID:38908368](#), [PMID:39167497](#), [PMID:39284915](#)

Alternate IDs: WB-STRAIN:DCL569, CGC_DCL569

Organism Name: DCL569

Record Creation Time: 20230227T013301+0000

Record Last Update: 20260905T114633+0000

Ratings and Alerts

No rating or validation information has been found for DCL569.

No alerts have been found for DCL569.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 12 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.

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).

Muhammad T, et al. (2024) Non-cell-autonomous regulation of germline proteostasis by insulin/IGF-1 signaling-induced dietary peptide uptake via PEPT-1. The EMBO journal, 43(21), 4892.

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.

Cao W, et al. (2024) A nucleic acid binding protein map of germline regulation in *Caenorhabditis elegans*. Nature communications, 15(1), 6884.

Lee HJ, et al. (2023) Cold temperature extends longevity and prevents disease-related protein aggregation through PA28 γ -induced proteasomes. *Nature aging*, 3(5), 546.

Liu J, et al. (2023) GABAergic signaling between enteric neurons and intestinal smooth muscle promotes innate immunity and gut defense in *Caenorhabditis elegans*. *Immunity*, 56(7), 1515.

Zhang X, et al. (2023) A gonadal gap junction INX-14/Notch GLP-1 signaling axis suppresses gut defense through an intestinal lysosome pathway. *Frontiers in immunology*, 14, 1249436.

Shin H, et al. (2022) Peripubertal requirement of Tsg101 in maintaining the integrity of membranous structures in mouse oocytes. *Cell proliferation*, 55(10), e13288.

Heissenberger C, et al. (2020) The ribosomal RNA m5C methyltransferase NSUN-1 modulates healthspan and oogenesis in *Caenorhabditis elegans*. *eLife*, 9.

Lee HJ, et al. (2019) Prostaglandin signals from adult germ stem cells delay somatic aging of *Caenorhabditis elegans*. *Nature metabolism*, 1(8), 790.

Zou L, et al. (2019) Construction of a germline-specific RNAi tool in *C. elegans*. *Scientific reports*, 9(1), 2354.