

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

DA2123

RRID:WB-STRAIN:WBStrain00005592

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005592

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005592>

Proper Citation: RRID:WB-STRAIN:WBStrain00005592

Description: Caenorhabditis elegans with name adIs2122[lgg-1p::GFP::lgg-1 + rol-6(su1006)] from WB.

Species: Caenorhabditis elegans

Synonyms: adIs2122[lgg-1p::GFP::lgg-1 + rol-6(su1006)]

Notes: adIs2122 [lgg-1p::GFP::lgg-1 + rol-6(su1006)]. Rollers.|"Mutagen:Gamma Rays"|"Supplementary_genotype adIs2122(lgg-1p::gfp::lgg-1)"|"Supplementary_genotype lgg-1p::gfp::lgg-1"|"WBStrain mapped, WBPaper00059578 added based on AFP_Strain data."

Affected Gene: WBGene00004397(rol-6)

Genomic Alteration: WBGene00004397(rol-6)

Catalog Number: WB-STRAIN:WBStrain00005592

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32302543](#), [PMID:32410036](#), [PMID:32918875](#), [PMID:32978396](#), [PMID:34610328](#), [PMID:34634043](#), [PMID:36774344](#), [PMID:37118512](#), [PMID:37549461](#), [PMID:37620393](#), [PMID:37684253](#), [PMID:37957360](#), [PMID:38177330](#), [PMID:38261662](#), [PMID:38483903](#), [PMID:38510643](#), [PMID:38869949](#), [PMID:38963038](#), [PMID:38983916](#), [PMID:39186478](#), [PMID:39264947](#), [PMID:39070663](#)

Alternate IDs: WB-STRAIN:DA2123, CGC_DA2123

Organism Name: DA2123

Record Creation Time: 20230227T013301+0000

Record Last Update: 20260725T171710+0000

Ratings and Alerts

No rating or validation information has been found for DA2123.

No alerts have been found for DA2123.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

van der Rijt S, et al. (2025) Targeting phospholipase PLAG-15 promotes healthy aging in *C. elegans* via lysosomal-related genes. *iScience*, 28(7), 112880.

VanDerMolen KR, et al. (2025) Non-cell-autonomous regulation of mTORC2 by Hedgehog signaling maintains lipid homeostasis. *Cell reports*, 44(1), 115191.

Oorloff M, et al. (2024) Growth on stiffer substrates impacts animal health and longevity in *C. elegans*. *PloS one*, 19(9), e0302673.

Tang Y, et al. (2024) Activation of autophagy by Citri Reticulatae Semen extract ameliorates amyloid-beta-induced cell death and cognition deficits in Alzheimer's disease. *Neural regeneration research*, 19(11), 2467.

Li B, et al. (2024) Phloretic acid requires the insulin/IGF-1 pathway and autophagy to enhance stress resistance and extend the lifespan of *Caenorhabditis elegans*. *Frontiers in pharmacology*, 15, 1384227.

Pu X, et al. (2024) Lysosomal dysfunction by inactivation of V-ATPase drives innate immune response in *C. elegans*. *Cell reports*, 43(5), 114138.

Hu Q, et al. (2024) BLMP-1 is a critical temporal regulator of dietary-restriction-induced response in *Caenorhabditis elegans*. *Cell reports*, 43(3), 113959.

Yin X, et al. (2024) Cysteine protease cathepsin B promotes lysosome integrity to extend the lifespan of alternative day fasting worms. *Aging cell*, 23(11), e14286.

Hsieh HC, et al. (2024) PRMT-7/PRMT7 activates HLH-30/TFEB to guard plasma membrane integrity compromised by bacterial pore-forming toxins. *Autophagy*, 20(6), 1335.

Wen YP, et al. (2024) Exploring the therapeutic potential of *Nelumbo nucifera* leaf extract against amyloid-beta-induced toxicity in the *Caenorhabditis elegans* model of Alzheimer's disease. *Frontiers in pharmacology*, 15, 1408031.

Franco-Romero A, et al. (2024) C16ORF70/MYTHO promotes healthy aging in *C.elegans* and prevents cellular senescence in mammals. *The Journal of clinical investigation*, 134(15).

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

Vérièpe-Salerno J, et al. (2023) MALT-1 shortens lifespan by inhibiting autophagy in the intestine of *C. elegans*. *Autophagy reports*, 2(1), 2277584.