

Resource Summary Report

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

VC222

RRID:WB-STRAIN:WBStrain00035594

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00035594

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00035594>

Proper Citation: RRID:WB-STRAIN:WBStrain00035594

Description: Caenorhabditis elegans with name raga-1(ok386) from WB.

Species: Caenorhabditis elegans

Synonyms: raga-1(ok386)

Notes: Made_by: Vancouver KO Group|"Mutagen:UV/TMP"|"Supplementary_genotype [raga-1(ok386)]"|"T24F1.1. Superficially wild type."|"This strain was provided by the C. elegans Reverse Genetics Core Facility at the University of British Columbia, which is part of the international C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."

Affected Gene: WBGene00006414(raga-1)

Genomic Alteration: WBGene00006414(raga-1)

Catalog Number: WB-STRAIN:WBStrain00035594

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:34610328](#), [PMID:36653384](#), [PMID:37644339](#), [PMID:37982457](#), [PMID:38740431](#), [PMID:39571580](#)

Alternate IDs: WB-STRAIN:VC222, CGC_VC222

Organism Name: VC222

Record Creation Time: 20230227T013647+0000

Record Last Update: 20260815T163256+0000

Ratings and Alerts

No rating or validation information has been found for VC222.

No alerts have been found for VC222.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Rothi MH, et al. (2025) The 18S rRNA methyltransferase DIMT-1 regulates lifespan in the germline later in life. Nature communications, 16(1), 6944.

Zhang L, et al. (2025) Targeting farnesoid X receptor as aging intervention therapy. Acta pharmaceutica Sinica. B, 15(3), 1359.

Li S, et al. (2025) Environmental factors capable of broadly interfering with nutritional lifespan extension paradigms. iScience, 28(7), 112827.

Vergani-Junior CA, et al. (2024) An Intricate Network Involving the Argonaute ALG-1 Modulates Organismal Resistance to Oxidative Stress. Nature communications, 15(1), 3070.

Rothi MH, et al. (2024) The 18S rRNA Methyltransferase DIMT-1 Regulates Lifespan in the Germline Later in Life. Research square.

Hafiz Rothi M, et al. (2024) The 18S rRNA Methyltransferase DIMT-1 Regulates Lifespan in the Germline Later in Life. bioRxiv : the preprint server for biology.

Venz R, et al. (2024) In-vivo screening implicates endoribonuclease Regnase-1 in modulating senescence-associated lysosomal changes. GeroScience, 46(2), 1499.

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.

Ogawa T, et al. (2024) Nutrient control of growth and metabolism through mTORC1 regulation of mRNA splicing. Molecular cell, 84(23), 4558.

Das P, et al. (2024) Calcineurin inhibition enhances *Caenorhabditis elegans* lifespan by defecation defects-mediated calorie restriction and nuclear hormone signaling. *eLife*, 12.

Li TY, et al. (2023) V-ATPase/TORC1-mediated ATFS-1 translation directs mitochondrial UPR activation in *C. elegans*. *The Journal of cell biology*, 222(1).

McLachlan IG, et al. (2022) Diverse states and stimuli tune olfactory receptor expression levels to modulate food-seeking behavior. *eLife*, 11.

Charar C, et al. (2021) Lamin regulates the dietary restriction response via the mTOR pathway in *Caenorhabditis elegans*. *Journal of cell science*, 134(17).

Zhang Y, et al. (2019) Neuronal TORC1 modulates longevity via AMPK and cell nonautonomous regulation of mitochondrial dynamics in *C. elegans*. *eLife*, 8.