

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

RB754

RRID:WB-STRAIN:WBStrain00031468

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00031468

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00031468>

Proper Citation: RRID:WB-STRAIN:WBStrain00031468

Description: Caenorhabditis elegans with name aak-2(ok524) X. from WB.

Species: Caenorhabditis elegans

Synonyms: aak-2(ok524) X.

Notes: 408bp deletion:Starts at position 4136, deletes part of exon 3|"Generated from papers flagged positive during the last month for data type afp_strain/other_strain."|"Made_by: OMRF Knockout Group"|"Mutagen:UV/TMP"|"Reference WBPaper00058832 added based on published strain data identified by Textpresso literature search."|"Supplementary_genotype aak-2(ok524)"|"Supplementary_genotype aak-2(ok524) X"|"T01C8.1. Homozygous. Outer Left Sequence: TCATTTGCTGCAACTTCCTG. Outer Right Sequence: ATACGTGGCATTACGGAGG. Inner Left Sequence: ATGTCGTTGGAAAGATTTCGC. Inner Right Sequence: AAGGAGTGCTTAACGAGCCA. Inner primer WT PCR product: 2741."|"This strain was provided by the C. elegans Gene Knockout Project at the Oklahoma Medical Research Foundation, which was part of the International C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."|"WBStrain mapped, WBPaper00059578 added based on AFP_Strain data."|"WBStrain provided so WBPaper00059477 paper added based on AFP_Strain data."

Affected Gene: WBGene00020142(aak-2)

Genomic Alteration: WBGene00020142(aak-2)

Catalog Number: WB-STRAIN:WBStrain00031468

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:31704915](#), [PMID:32302543](#), [PMID:33319173](#), [PMID:36653384](#), [PMID:36652947](#), [PMID:37639584](#), [PMID:37782016](#), [PMID:38240316](#), [PMID:38799567](#), [PMID:38754743](#), [PMID:39368088](#)

Alternate IDs: WB-STRAIN:RB754, CGC_RB754

Organism Name: RB754

Record Creation Time: 20230227T013616+0000

Record Last Update: 20260905T115235+0000

Ratings and Alerts

No rating or validation information has been found for RB754.

No alerts have been found for RB754.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Ahsan FM, et al. (2026) Reductive death is averted by a conserved de novo lipogenic switch. *Molecular cell*, 86(13), 2539.

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

Banse SA, et al. (2025) Computer prediction and genetic analysis identifies retinoic acid modulation as a driver of conserved longevity pathways in genetically-diverse *Caenorhabditis* nematodes. *bioRxiv : the preprint server for biology*.

Yu Y, et al. (2024) Organelle proteomic profiling reveals lysosomal heterogeneity in association with longevity. *eLife*, 13.

Li W, et al. (2024) Low-dose naltrexone extends healthspan and lifespan in *C. elegans* via SKN-1 activation. *iScience*, 27(6), 109949.

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

Vodiřková A, et al. (2024) Mitochondrial energy state controls AMPK-mediated foraging behavior in *C. elegans*. *Science advances*, 10(16), eadm8815.

Pu L, et al. (2023) Hypoxia induces food leaving in *C. elegans*. *microPublication biology*, 2023.

Thomas C, et al. (2023) A naturally occurring polyacetylene isolated from carrots promotes health and delays signatures of aging. *Nature communications*, 14(1), 8142.