

# Resource Summary Report

Generated by [dkNET](#) on Aug 20, 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:** 20260815T163137+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 [dkNET](#) .

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

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*.

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

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.