Resource Summary Report

Generated by NIF on Jul 30, 2026

VC531

RRID:WB-STRAIN:WBStrain00035848
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00035848

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00035848

Proper Citation: RRID:WB-STRAIN:WBStrain00035848

Description: Caenorhabditis elegans with name rad-54&snx-3(ok615) I/hT2 [bli-4(e937) let-?(q782) qIs48] (I;III). from WB.

Species: Caenorhabditis elegans

Synonyms: rad-54&snx-3(ok615) I/hT2 [bli-4(e937) let-?(q782) qIs48] (I;III).

Notes: Mutagen:UV/TMP|"Supplementary_genotype rad-54(ok615)"|"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."|"W06D4.5, W06D4.6. Homozygous sterile deletion chromosome balanced by bli-4- and GFP-marked translocation. Heterozygotes are WT with pharyngeal GFP signal, and segregate WT GFP, arrested hT2 aneuploids, and non-GFP ok615 homozygotes (sterile adult, lays dead eggs). Homozygous hT2[bli-4 let-? qIs48] inviable. Note: qIs48 has been observed to recombine off hT2, typically leaving behind a functional homozygous viable hT2 with Bli-4 phenotype. Pick WT GFP and check for correct segregation of progeny to maintain."|"WBStrain mapped, WBPaper00060717 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061204 added based on AFP_Strain data."

Affected Gene: WBGene00000254(bli-4)|WBGene00004298(rad-54.L)|WBGene00006503(snx-3)

Genomic Alteration: WBGene00000254(bli-4), WBGene00004298(rad-54.L), WBGene00006503(snx-3)

Catalog Number: WB-STRAIN:WBStrain00035848

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:33159994, PMID:33772283, PMID:36176234

Alternate IDs: WB-STRAIN:VC531, CGC_VC531

Organism Name: VC531

Record Creation Time: 20230227T013649+0000

Record Last Update: 20260725T172404+0000

Ratings and Alerts

No rating or validation information has been found for VC531.

No alerts have been found for VC531.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Oberlitner J, et al. (2025) Analysis of rad-51 separation of function allele suggests divergence of the synthesis-dependent strand annealing and double Holliday junction pathways prior to RAD-51 filament disassembly. Genetics, 230(2).

Li Q, et al. (2024) The chromatin-associated 53BP1 ortholog, HSR-9, regulates recombinational repair and X chromosome segregation in the Caenorhabditis elegans germ line. bioRxiv : the preprint server for biology.

Lawrence KS, et al. (2016) LINC complexes promote homologous recombination in part through inhibition of nonhomologous end joining. The Journal of cell biology, 215(6), 801.