

Resource Summary Report

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VC3196

RRID:WB-STRAIN:WBStrain00037717

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00037717

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00037717>

Proper Citation: RRID:WB-STRAIN:WBStrain00037717

Description: Caenorhabditis elegans with name smgl-1(ok2423) l/hT2 [bli-4(e937) let-?(q782) qIs48] (I;III). from WB.

Species: Caenorhabditis elegans

Synonyms: smgl-1(ok2423) l/hT2 [bli-4(e937) let-?(q782) qIs48] (I;III).

Notes: F20G4.1. Homozygous lethal 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 ok2423 homozygotes (early larval arrest). Homozygous hT2[bli-4 let-? qIs48] inviable. Pick WT GFP and check for correct segregation of progeny to maintain. External left primer: TCCAACCAATCCAGCTTTTC. External right primer: CCAAACGAGAAAGACGGAGA. Internal left primer: TTCGACTTTTTTCGGCGAT. Internal right primer: ATGGAACATCCTGATGCTGA. Internal WT amplicon: 1173 bp. Deletion size: 637 bp. Deletion left flank: TTCTAAAAATAATTAAATTAGAGTGTTAAA. Deletion right flank: CGTATGGTTGCCACGTCGCGAGATCATGAA."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: WBGene00000254(bli-4)|WBGene00008990(smgl-1)

Genomic Alteration: WBGene00000254(bli-4), WBGene00008990(smgl-1)

Catalog Number: WB-STRAIN:WBStrain00037717

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:VC3196, CGC_VC3196

Organism Name: VC3196

Record Creation Time: 20230227T013703+0000

Record Last Update: 20260815T163331+0000

Ratings and Alerts

No rating or validation information has been found for VC3196.

No alerts have been found for VC3196.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Chang H, et al. (2025) Multi-omics investigation of high-transglutaminase production mechanisms in *Streptomyces mobaraensis* and co-culture-enhanced fermentation strategies. *Frontiers in microbiology*, 16, 1525673.