

Resource Summary Report

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VC1530

RRID:WB-STRAIN:WBStrain00036667

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00036667

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00036667>

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Description: Caenorhabditis elegans with name mei-1(ok2000) I/hT2 [bli-4(e937) let-?(q782) qIs48] (I;III). from WB.

Species: Caenorhabditis elegans

Synonyms: mei-1(ok2000) I/hT2 [bli-4(e937) let-?(q782) qIs48] (I;III).

Notes: Supplementary_genotype mei-1 (ok2000) I / hT2[bli-4(e937) let-7(q782) qIs48 (I;III)] "T01G9.5. 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 ok2000 homozygotes (sterile, lays eggs that don't hatch). Homozygous hT2[bli-4 let-? qIs48] inviable. Pick WT GFP and check for correct segregation of progeny to maintain. External left primer: TAATTGTTTGTGCGCGATGA. External right primer: GATGAAGGTGGCCTTGAAAA. Internal left primer: TGTTTCCAACAAGTGAGCCA. Internal right primer: CAAAAACCAAAGCTAGGCCA. Internal WT amplicon: 2180 bp. Deletion size: 1378 bp. Deletion left flank: ACAAAGAAAGGAGTTGGAGCAGCAGGTCCA. Deletion right flank: CAAAGAATGGTGTGACTCTTTTGGTGCCAT. Insertion Sequence: TGTAATCAACTATTTATTGTGATCTCCTTTTAGTTTAAAATATTGTGGCCTAGCTTTGGTTTTTGAAA." "T01G9.5. 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 ok2000 homozygotes (sterile, lays eggs that don't hatch). Homozygous hT2[bli-4 let-? qIs48] inviable. Pick WT GFP and check for correct segregation of progeny to maintain. External left primer: TAATTGTTTGTGCGCGATGA. External right primer: GATGAAGGTGGCCTTGAAAA. Internal left primer: TGTTTCCAACAAGTGAGCCA. Internal right primer: CAAAAACCAAAGCTAGGCCA. Internal WT amplicon: 2180 bp. Deletion size: 1378 bp. Deletion left flank: ACAAAGAAAGGAGTTGGAGCAGCAGGTCCA. Deletion right flank:

CAAAGAATGGTGTGACTCTTTTGGTGCCAT. Insertion Sequence:
TGTAATCAACTATTTATTGTGATCTCCTTTTAGTTTAAAATATTGTGGCCTAGCTTTGGGTTTTTTC
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)|WBGene00003183(me-1)

Genomic Alteration: WBGene00000254(bli-4), WBGene00003183(me-1)

Catalog Number: WB-STRAIN:WBStrain00036667

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:37603562](#)

Alternate IDs: WB-STRAIN:VC1530, CGC_VC1530

Organism Name: VC1530

Record Creation Time: 20230227T013655+0000

Record Last Update: 20260905T115347+0000

Ratings and Alerts

No rating or validation information has been found for VC1530.

No alerts have been found for VC1530.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Puri D, et al. (2023) Muscleblind-1 interacts with tubulin mRNAs to regulate the microtubule cytoskeleton in C. elegans mechanosensory neurons. PLoS genetics, 19(8), e1010885.

Leighton DH, et al. (2014) Communication between oocytes and somatic cells regulates volatile pheromone production in Caenorhabditis elegans. Proceedings of the National

Academy of Sciences of the United States of America, 111(50), 17905.