

Resource Summary Report

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VC1497

RRID:WB-STRAIN:WBStrain00036640

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00036640

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00036640>

Proper Citation: RRID:WB-STRAIN:WBStrain00036640

Description: *Caenorhabditis elegans* with name fum-1(ok1998) III/hT2 [bli-4(e937) let-?(q782) qIs48] (I;III). from WB.

Species: *Caenorhabditis elegans*

Synonyms: fum-1(ok1998) III/hT2 [bli-4(e937) let-?(q782) qIs48] (I;III).

Notes: H14A12.2. Homozygous sterile deletion chromosome balanced by bli-4- and GFP-marked translocation. Heterozygotes are WT with pharyngeal GFP signal, and segregate WT GFP+ (heterozygotes), arrested hT2 aneuploids, and non-GFP ok1998 homozygotes (sterile adult). Homozygous hT2[bli-4 let-? qIs48] inviable. Pick WT GFP+ and check for correct segregation of progeny to maintain. External left primer:

ACTTGTGCGGGAGAAGAGAA. External right primer: CGAATTAAGCTTTCAAGGCG.

Internal left primer: GAACCATGCCGAGTTTGATT. Internal right primer:

TGAACATTTGGGGACATTGA. Internal WT amplicon: 2152 bp. Deletion size: 1351 bp.

Deletion left flank: ACTTTCGGAGAGCTCGAGGTTCCAGCCGAC. Deletion right flank:

TGCTCACAAGAACGGCACCCCTTGTCCA."|H14A12.2. 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 ok1998 homozygotes (sterile adult). Homozygous hT2[bli-4 let-? qIs48] inviable. Pick WT GFP and check for correct segregation of progeny to maintain. External left primer:

ACTTGTGCGGGAGAAGAGAA. External right primer: CGAATTAAGCTTTCAAGGCG.

Internal left primer: GAACCATGCCGAGTTTGATT. Internal right primer:

TGAACATTTGGGGACATTGA. Internal WT amplicon: 2152 bp. Deletion size: 1351 bp.

Deletion left flank: ACTTTCGGAGAGCTCGAGGTTCCAGCCGAC. Deletion right flank:

TGCTCACAAGAACGGCACCCCTTGTCCA."|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)|WBGene00001503(fum-1)

Genomic Alteration: WBGene00000254(bli-4), WBGene00001503(fum-1)

Catalog Number: WB-STRAIN:WBStrain00036640

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:VC1497, CGC_VC1497

Organism Name: VC1497

Record Creation Time: 20230227T013655+0000

Record Last Update: 20260808T171523+0000

Ratings and Alerts

No rating or validation information has been found for VC1497.

No alerts have been found for VC1497.

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 [ASWG](#) .

Woodhouse RM, et al. (2022) Mitochondrial succinate dehydrogenase function is essential for sperm motility and male fertility. iScience, 25(12), 105573.