

Resource Summary Report

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VC1772

RRID:WB-STRAIN:WBStrain00036863

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00036863

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00036863>

Proper Citation: RRID:WB-STRAIN:WBStrain00036863

Description: Caenorhabditis elegans with name skn-1(ok2315) IV/nT1 [qls51] (IV;V). from WB.

Species: Caenorhabditis elegans

Synonyms: skn-1(ok2315) IV/nT1 [qls51] (IV;V).

Notes: outcrossed once by the Moerman lab;|"Supplementary_genotype skn-1 (ok2315/nT1[qls51])|"T19E7.2. Homozygous viable/sickly deletion chromosome balanced by GFP-marked translocation. Heterozygotes are WT with pharyngeal GFP signal, and segregate WT GFP, arrested nT1[qls51] aneuploids, and non-GFP ok2315 homozygotes (viable, sickly, some eggs don't hatch). Homozygous nT1[qls51] inviable. Pick WT GFP and check for correct segregation of progeny to maintain. External left primer: TGAAACCGACGTAATGTGGA. External right primer: TTTCACCTCCCACCGTCTAC. Internal left primer: CTCAACTGGGCATCTTCACA. Internal right primer: TTTCAGCCATCTCTCCTCGT. Internal WT amplicon: 2440 bp. Deletion size: 1103 bp. Deletion left flank: TTTTGTATGTAAATTGCCAATGCCATAAT. Deletion right flank: CTCATAGGGTCGAGAGAAAATGAGAGAGAG."|"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: WBGene00004804(skn-1)

Genomic Alteration: WBGene00004804(skn-1)

Catalog Number: WB-STRAIN:WBStrain00036863

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:37892557](#), [PMID:39285192](#)

Alternate IDs: WB-STRAIN:VC1772, CGC_VC1772

Organism Name: VC1772

Record Creation Time: 20230227T013656+0000

Record Last Update: 20260829T162311+0000

Ratings and Alerts

No rating or validation information has been found for VC1772.

No alerts have been found for VC1772.

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](#) .

Nair T, et al. (2024) Serotonin deficiency from constitutive SKN-1 activation drives pathogen apathy. Nature communications, 15(1), 8129.

Benedetto A, et al. (2010) Extracellular dopamine potentiates mn-induced oxidative stress, lifespan reduction, and dopaminergic neurodegeneration in a BLI-3-dependent manner in *Caenorhabditis elegans*. PLoS genetics, 6(8).