

Resource Summary Report

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VC2633

RRID:WB-STRAIN:WBStrain00037463

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00037463

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00037463>

Proper Citation: RRID:WB-STRAIN:WBStrain00037463

Description: Caenorhabditis elegans with name rpm-1(ju1928) degt-1(ok3307) V. from WB.

Species: Caenorhabditis elegans

Synonyms: rpm-1(ju1928) degt-1(ok3307) V.

Notes: F25D1.4. External left primer: TCAAGGAAGCATCCGAAGTT. External right primer: CCACGGATGAATCGAGTTTT. Internal left primer: TCAGATTTTTGGAGTTTCCGA. Internal right primer: TTATTCGATTTTCCCCGTTG. Internal WT amplicon: 1152 bp. Deletion size: 915 bp. Deletion left flank: TTTTGGAGTTTCCGATAATTTCCATGATGT. Deletion right flank: TTCAGTGATAAATTTTCAAATTTCTCGAAA. [NOTE: (05/10/2022) This strain also carries an (A to T) missense mutation in rpm-1 which results in a Q3089H amino acid substitution in RPM-1. See Jin EJ & Jin Y. (2022). A mutation linked to degt-1(ok3307) in C. elegans strain VC2633 affects rpm-1. microPublication Biology. 10.17912/micropub.biology.000565. PMC ID: PMC9073554.] "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: WBGene00004457(rpm-1)|WBGene00009109(degt-1)

Genomic Alteration: WBGene00004457(rpm-1), WBGene00009109(degt-1)

Catalog Number: WB-STRAIN:WBStrain00037463

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32009302](#), [PMID:35622515](#), [PMID:37500635](#)

Alternate IDs: WB-STRAIN:VC2633, CGC_VC2633

Organism Name: VC2633

Record Creation Time: 20230227T013701+0000

Record Last Update: 20260815T163327+0000

Ratings and Alerts

No rating or validation information has been found for VC2633.

No alerts have been found for VC2633.

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](#) .

Inberg S, et al. (2025) Sensory experience controls dendritic structure and behavior by distinct pathways involving degenerins. eLife, 14.

Zhan X, et al. (2023) Locomotion modulates olfactory learning through proprioception in C. elegans. Nature communications, 14(1), 4534.