Resource Summary Report

Generated by dkNET on Aug 17, 2026

RB918

RRID:WB-STRAIN:WBStrain00031630
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00031630

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00031630

Proper Citation: RRID:WB-STRAIN:WBStrain00031630

Description: Caenorhabditis elegans with name acr-16(ok789) V. from WB.

Species: Caenorhabditis elegans

Synonyms: acr-16(ok789) V.

Notes: F25G6.3 Homozygous. Outer Left Sequence: CTTCATGCAACCCTTTCACA. Outer Right Sequence: AAAAGAAGACAGGTGCCACG. Inner Left Sequence: CAGGAGCGCAGATTGTATGA. Inner Right Sequence: AGTCCTCTGGGCTTTCCATT. Inner Primer PCR Length: 3196. Estimated Deletion Size: about 1100 bp.|"Made_by: OMRF Knockout Group"|"Mutagen:UV/TMP"|"Supplementary_genotype acr-16(ok789) V."|"This strain was provided by the C. elegans Gene Knockout Project at the Oklahoma Medical Research Foundation, which was part of the International C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."|"WBStrain mapped, WBPaper00060969 added based on AFP_Strain data."

Affected Gene: WBGene00000055(acr-16)

Genomic Alteration: WBGene00000055(acr-16)

Catalog Number: WB-STRAIN:WBStrain00031630

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:33524034, PMID:37624117, PMID:37729202, PMID:38338915

Alternate IDs: WB-STRAIN:RB918, CGC_RB918

Organism Name: RB918

Record Creation Time: 20230227T013617+0000

Record Last Update: 20260815T163140+0000

Ratings and Alerts

No rating or validation information has been found for RB918.

No alerts have been found for RB918.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Liu Y, et al. (2025) Nicotine induces abnormal motor coupling through sensitization of a mechanosensory circuit in Caenorhabditis elegans. PLoS biology, 23(10), e3003423.

Hochstrasser T, et al. (2025) Behavioral Changes in Caenorhabditis elegans After Exposure to Radial Extracorporeal Shock Waves. Journal of clinical medicine, 14(20).

Hernando G, et al. (2025) Unraveling anthelmintic targets and mechanisms of action of trans-cinnamaldehyde from cinnamon essential oil. Scientific reports, 15(1), 5422.

Seidenthal M, et al. (2025) Flower/FLWR-1 regulates neuronal activity via the plasma membrane Ca2+ ATPase to promote recycling of synaptic vesicles. eLife, 13.

Ardiel EL, et al. (2022) Stereotyped behavioral maturation and rhythmic quiescence in C. elegans embryos. eLife, 11.

McIntyre RL, et al. (2021) Inhibition of the neuromuscular acetylcholine receptor with atracurium activates FOXO/DAF-16-induced longevity. Aging cell, 20(8), e13381.

Pandey P, et al. (2021) Increased dopaminergic neurotransmission results in ethanol dependent sedative behaviors in Caenorhabditis elegans. PLoS genetics, 17(2), e1009346.

Spensley M, et al. (2018) Acute Effects of Drugs on Caenorhabditis elegans Movement Reveal Complex Responses and Plasticity. G3 (Bethesda, Md.), 8(9), 2941.

Tikiyani V, et al. (2018) Wnt Secretion Is Regulated by the Tetraspan Protein HIC-1 through Its Interaction with Neurabin/NAB-1. Cell reports, 25(7), 1856.