

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

RM2702

RRID:WB-STRAIN:WBStrain00033394

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00033394

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00033394>

Proper Citation: RRID:WB-STRAIN:WBStrain00033394

Description: Caenorhabditis elegans with name dat-1(ok157) III. from WB.

Species: Caenorhabditis elegans

Synonyms: dat-1(ok157) III.

Notes: Cosmid coordinates (with respect to T23G5): 24967-26802 (or 24965-26800, or 24966-26801, or 24968-26803, or 24969-26804 - note that each deletion endpoint lies within a TATA sequence so there is some ambiguity in the precise endpoints). Flanking sequences: CTATTCGGATATCTTGCCAATGCTA|"Made_by: B Barstead/G Mullen"|"Mutagen:UV/TMP"|"WBStrain mapped, WBPaper00061409 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061527 added based on AFP_Strain data."

Affected Gene: WBGene00000934(dat-1)

Genomic Alteration: WBGene00000934(dat-1)

Catalog Number: WB-STRAIN:WBStrain00033394

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:36745808](#), [PMID:39205325](#), [PMID:39369984](#)

Alternate IDs: WB-STRAIN:RM2702, CGC_RM2702

Organism Name: RM2702

Record Creation Time: 20230227T013631+0000

Record Last Update: 20260815T163215+0000

Ratings and Alerts

No rating or validation information has been found for RM2702.

No alerts have been found for RM2702.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

McMillen A, et al. (2025) Dopaminergic Modulation of Short-Term Associative Memory in *Caenorhabditis elegans*. *Journal of neurochemistry*, 169(8), e70200.

Clark AS, et al. (2024) Morphological hallmarks of dopaminergic neurodegeneration are associated with altered neuron function in *Caenorhabditis elegans*. *Neurotoxicology*, 100, 100.

Bastien BL, et al. (2024) nlr-1/CNTNAP regulates dopamine circuit structure and foraging behaviors in *C. elegans*. *Communications biology*, 7(1), 1248.

Clark AS, et al. (2023) Morphological hallmarks of dopaminergic neurodegeneration are associated with altered neuron function in *Caenorhabditis elegans*. *bioRxiv : the preprint server for biology*.

Nourse JB, et al. (2023) Integrated regulation of dopaminergic and epigenetic effectors of neuroprotection in Parkinson's disease models. *Proceedings of the National Academy of Sciences of the United States of America*, 120(7), e2210712120.