

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

BY250

RRID:WB-STRAIN:WBStrain00004027

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00004027

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00004027>

Proper Citation: RRID:WB-STRAIN:WBStrain00004027

Description: Caenorhabditis elegans with name vtIs7. from WB.

Species: Caenorhabditis elegans

Synonyms: vtIs7.

Notes: Supplementary_genotype (vtIs7 [Pdat-1::GFP])|vtIs7 [dat-1p::GFP]. Integrated reporter with bright GFP observable in all dopaminergic neurons and processes. No behavioral changes have been noted in relation to transgene integration. DA neuron degeneration is evident with easily detectible loss of GFP expression (e.g. Hardaway et al, J. Neurosci, 2015). Reference: Nass, R., et al. (2002). Neurotoxin-induced degeneration of dopamine neurons in Caenorhabditis elegans. Proc Natl Acad Sci USA 99(5): 3264-3269."|WBStrain provided so WBPaper00060778 paper added based on AFP_Strain data."

Affected Gene: WBGene00000934(dat-1)

Genomic Alteration: WBGene00000934(dat-1)

Catalog Number: WB-STRAIN:WBStrain00004027

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:36745808](#), [PMID:37260751](#), [PMID:39097626](#), [PMID:39839711](#)

Alternate IDs: WB-STRAIN:BY250, CGC_BY250

Organism Name: BY250

Record Creation Time: 20230227T013249+0000

Record Last Update: 20260829T161249+0000

Ratings and Alerts

No rating or validation information has been found for BY250.

No alerts have been found for BY250.

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](#) .

Adams PE, et al. (2024) Identifying transgene insertions in *Caenorhabditis elegans* genomes with Oxford Nanopore sequencing. *PeerJ*, 12, e18100.

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.