

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

UA44

RRID:WB-STRAIN:WBStrain00035179

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00035179

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00035179>

Proper Citation: RRID:WB-STRAIN:WBStrain00035179

Description: Caenorhabditis elegans with name baln1[Pdat-1::syn high, Pdat-1::gfp] from WB.

Species: Caenorhabditis elegans

Synonyms: baln1[Pdat-1::syn high, Pdat-1::gfp]

Notes: Supplementary_genotype (baln11[Pdat-1:: -syn (human, wild-type), Pdat-1::GFP])"WBStrain provided so WBPaper00060459 paper added based on AFP_Strain data."|WBStrain provided so WBPaper00060778 paper added based on AFP_Strain data."|WBStrain provided so WBPaper00061246 paper added based on AFP_Strain data."

Affected Gene: WBGene00000934(dat-1)

Genomic Alteration: WBGene00000934(dat-1)

Catalog Number: WB-STRAIN:WBStrain00035179

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: [PMID:37260751](#), [PMID:37416472](#), [PMID:38483903](#), [PMID:39839711](#), [PMID:39950089](#)

Alternate IDs: WB-STRAIN:UA44

Organism Name: UA44

Record Creation Time: 20230227T013645+0000

Record Last Update: 20260905T115325+0000

Ratings and Alerts

No rating or validation information has been found for UA44.

No alerts have been found for UA44.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Singh S, et al. (2026) Marine bacterium *Stutzerimonas stutzeri* mitigates Parkinson's disease pathology in *C. elegans* via ferroptosis modulation. *Scientific reports*, 16(1).

Griffin EF, et al. (2025) Dopaminergic neurodegeneration in *C. elegans* cultivated with *Porphorymonas gingivalis*. *microPublication biology*, 2025.

Redweik G, et al. (2025) Secreted autotransporter toxin produced by probiotic *Escherichia coli* Nissle 1917 enhances neurodegeneration in *Caenorhabditis elegans*. *microPublication biology*, 2025.

Basellini MJ, et al. (2025) Oleuropein Aglycone, an Olive Polyphenol, Influences Alpha-Synuclein Aggregation and Exerts Neuroprotective Effects in Different Parkinson's Disease Models. *Molecular neurobiology*, 62(12), 15741.

Luo Y, et al. (2025) Polyhalogenated Carbazole Impairs Dopaminergic Neurons through Dysregulation of Liquid-Liquid Phase Separation in *Caenorhabditis elegans*. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(48), e02486.

Promptang S, et al. (2024) 2-Butoxytetrahydrofuran, Isolated from *Holothuria scabra*, Attenuates Aggregative and Oxidative Properties of α -Synuclein and Alleviates Its Toxicity in a Transgenic *Caenorhabditis elegans* Model of Parkinson's Disease. *ACS chemical neuroscience*, 15(11), 2182.

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

Hu Q, et al. (2024) BLMP-1 is a critical temporal regulator of dietary-restriction-induced response in *Caenorhabditis elegans*. *Cell reports*, 43(3), 113959.