

Resource Summary Report

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WE5172

RRID:WB-STRAIN:WBStrain00040344

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00040344

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00040344>

Proper Citation: RRID:WB-STRAIN:WBStrain00040344

Description: Caenorhabditis elegans with name dpy-5(e907) I; ajls1 X. from WB.

Species: Caenorhabditis elegans

Synonyms: dpy-5(e907) I; ajls1 X.

Notes: ajls1 [rCesC05A9.1::GFP + dpy-5(+)] X. GFP expression driven by 300bp sequence upstream of pgp-5 gene. Weak intestinal fluorescence is visible under normal conditions. Derived by insertion of sEx864 in parental strain BC10030. Pathogens, heavy metals, and toxins (e.g. Pseudomonas aeruginosa, cadmium, G418) further induce GFP expression. dpy-5(e907) was likely removed by outcrossing, but might still be in the background. Reference: McKay et al, Cold Spring Harbor Symposia on Quantitative Biology 68: 159-169 2004 (WBPaper00006525); WBPaper00031023; WBPaper00048491."Mutagen:Gamma Rays"

Affected Gene: WBGene00001067(dpy-5)

Genomic Alteration: WBGene00001067(dpy-5)

Catalog Number: WB-STRAIN:WBStrain00040344

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:40708994](#)

Alternate IDs: WB-STRAIN:WE5172, CGC_WE5172

Organism Name: WE5172

Record Creation Time: 20230227T013724+0000

Record Last Update: 20260725T172502+0000

Ratings and Alerts

No rating or validation information has been found for WE5172.

No alerts have been found for WE5172.

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](#) .

Kniazeva M, et al. (2025) Translation elongation defects activate the *Caenorhabditis elegans* ZIP-2 bZIP transcription factor-mediated toxin defense. *Proceedings of the National Academy of Sciences of the United States of America*, 122(6), e2423578122.

Anokwuru CP, et al. (2021) Investigating antimicrobial compounds in South African Combretaceae species using a biochemometric approach. *Journal of ethnopharmacology*, 269, 113681.