Resource Summary Report

Generated by dkNET on Aug 17, 2026

PY7505

RRID:WB-STRAIN:WBStrain00031144
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00031144

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00031144

Proper Citation: RRID:WB-STRAIN:WBStrain00031144

Description: Caenorhabditis elegans with name oyIs84. from WB.

Species: Caenorhabditis elegans

Synonyms: oyIs84.

Notes: oyIs84 [gpa-4p::TU#813 + gcy-27p::TU#814 + gcy-27p::GFP + unc-122p::dsRed]. TU#813 and TU#814 are split caspase vectors (Chalfie Lab) subcloned downstream of the gpa-4 promoter and gcy-27 promoter, respectively. ASI is ablated in this strain. Increased dauer formation. Expression of dsRed in coelomocytes. Reference: Beverly M, Anbil S, Sengupta P. J Neurosci. 2011 Aug 10;31(32):11718-27.|"oyIs84 [gpa-4p::TU#813 + gcy-27p::TU#814 + gcy-27p::GFP + unc-122p::DsRed]. TU#813 and TU#814 are split caspase vectors (Chalfie Lab) subcloned downstream of the gpa-4 promoter and gcy-27 promoter, respectively. ASI is ablated in this strain. Increased dauer formation. Expression of dsRed in coelomocytes. Reference: Beverly M, Anbil S, Sengupta P. J Neurosci. 2011 Aug 10;31(32):11718-27."|"Supplementary_genotype -ASI: oyIs84(gpa-4p::TU#813+gcy-27p::TU#814+gcy-27p::GFP+unc-122p::DsRed) TU#813 and TU#814 are split caspase vectors"|"Supplementary_genotype oyIs84[gpa-4p::TU#813+gcy-27p::TU#814+gcy-27p::GFP+ unc-122p::DsRed]"|"WBStrain mapped, WBPaper00061436 added based on AFP_Strain data."

Catalog Number: WB-STRAIN:WBStrain00031144

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:37258276, PMID:37769660, PMID:38446031, PMID:38784855

Alternate IDs: WB-STRAIN:PY7505, CGC_PY7505

Organism Name: PY7505

Record Creation Time: 20230227T013614+0000

Record Last Update: 20260815T163132+0000

Ratings and Alerts

No rating or validation information has been found for PY7505.

No alerts have been found for PY7505.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Pradhan S, et al. (2025) Pathogen infection induces sickness behaviors through neuromodulators linked to stress and satiety in C. elegans. Nature communications, 16(1), 3200.

Wilhelm T, et al. (2025) An intergenerational lipid memory of the social environment in C. elegans. bioRxiv : the preprint server for biology.

Otarigho B, et al. (2024) Neuronal NPR-15 modulates molecular and behavioral immune responses via the amphid sensory neuron-intestinal axis in C. elegans. eLife, 12.

Huang YC, et al. (2023) A single neuron in C. elegans orchestrates multiple motor outputs through parallel modes of transmission. bioRxiv : the preprint server for biology.

Wu T, et al. (2023) Pathogenic bacteria modulate pheromone response to promote mating. Nature, 613(7943), 324.

Huang YC, et al. (2023) A single neuron in C.??elegans orchestrates multiple motor outputs through parallel modes of transmission. Current biology : CB, 33(20), 4430.

Otarigho B, et al. (2023) Neuronal NPR-15 modulates molecular and behavioral immune responses via the amphid sensory neuron-intestinal axis in C. elegans. bioRxiv : the preprint server for biology.

Luo J, et al. (2023) C. elegans males optimize mate-choice decisions via sex-specific responses to multimodal sensory cues. bioRxiv : the preprint server for biology.

Venkatesh SR, et al. (2023) Amphid sensory neurons of Caenorhabditis elegans orchestrate its survival from infection with broad classes of pathogens. Life science alliance, 6(8).

Thapliyal S, et al. (2023) Multisite regulation integrates multimodal context in sensory circuits to control persistent behavioral states in C. elegans. Nature communications, 14(1), 3052.