

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 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 oyls84. from WB.

Species: Caenorhabditis elegans

Synonyms: oyls84.

Notes: oyls84 [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."|oyls84 [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: oyls84(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 oyls84[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: 20260905T115230+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.