

# Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

## PY7505

RRID:WB-STRAIN:WBStrain00031144

Type: Organism

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### Proper Citation

RRID:WB-STRAIN:WBStrain00031144

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### 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:** 20260815T163132+0000

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## Ratings and Alerts

No rating or validation information has been found for PY7505.

No alerts have been found for PY7505.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We found 10 mentions in open access literature.

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

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.

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*.

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.

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).

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.