

# Resource Summary Report

Generated by [dkNET](#) on Sep 18, 2026

## **RB809**

RRID:WB-STRAIN:WBStrain00031522

Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00031522

### Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00031522>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00031522

**Description:** Caenorhabditis elegans with name ptl-1(ok621) III. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** ptl-1(ok621) III.

**Notes:** F42G9.9a. Homozygous. Outer Left Sequence: CCTCCTACCACCCATCTGAA. Outer Right Sequence: CAACATGCTCAGGGAAGTCA. Inner Left Sequence: TGAACCGAAGCCTAAACCAG. Inner Right Sequence: CTGGAAATTTGTTGGGCAGT. Inner primer WT PCR product: 2452.|"Made\_by: OMRF Knockout Group"|"Mutagen:UV/TMP"|"Supplementary\_genotype ptl-1 (ok621) III"|"This strain was provided by the C. elegans Gene Knockout Project at the Oklahoma Medical Research Foundation, which was part of the International C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."

**Affected Gene:** WBGene00004212(ptl-1)

**Genomic Alteration:** WBGene00004212(ptl-1)

**Catalog Number:** WB-STRAIN:WBStrain00031522

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** available

**Source References:** [PMID:37603562](#)

**Alternate IDs:** WB-STRAIN:RB809, CGC\_RB809

**Organism Name:** RB809

**Record Creation Time:** 20230227T013617+0000

**Record Last Update:** 20260912T181627+0000

---

## Ratings and Alerts

No rating or validation information has been found for RB809.

No alerts have been found for RB809.

---

## Data and Source Information

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

**Source Database:** WormBase (WB)

---

## Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Hirsch F, et al. (2025) Impairment of neuronal activity occurs at the early stages of the aggregation cascade of A $\beta$ 1-42 and mutant Tau. bioRxiv : the preprint server for biology.

Selvarathinam H, et al. (2024) Neurodegeneration-related genes influence C. elegans pharyngeal activity. microPublication biology, 2024.

Puri D, et al. (2023) Muscleblind-1 interacts with tubulin mRNAs to regulate the microtubule cytoskeleton in C. elegans mechanosensory neurons. PLoS genetics, 19(8), e1010885.

Doyle JJ, et al. (2023) Genetic Interactions of Progranulin Across the ALS-FTD Spectrum and Beyond. microPublication biology, 2023.

Aquino Nunez W, et al. (2022) Age-dependent accumulation of tau aggregation in Caenorhabditis elegans. Frontiers in aging, 3, 928574.

Krieg M, et al. (2017) Genetic defects in  $\gamma$ -spectrin and tau sensitize C. elegans axons to movement-induced damage via torque-tension coupling. eLife, 6.