# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 28, 2025

## SJ4100

RRID:WB-STRAIN:WBStrain00034068
Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00034068

### Organism Information

**URL:** http://www.wormbase.org/db/get?name=WBStrain00034068

**Proper Citation:** RRID:WB-STRAIN:WBStrain00034068

**Description:** Caenorhabditis elegans with name zcIs13(Phsp-6::GFP)/V from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** zcIs13(Phsp-6::GFP)/V

**Notes:** Generated from papers flagged positive during the last month for data type afp_strain/other_strain.|"Reference WBPaper00060516 added based on published strain data identified by Textpresso literature search."|"Supplementary_genotype hsp-6::GFP zcIs13[hsp-6::GFP] V"|"Supplementary_genotype zcIs13"|"Supplementary_genotype zcIs13[hsp-6::GFP] V"|"WBStrain mapped, WBPaper00057239 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00059596 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060638 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061409 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061527 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061562 added based on AFP_Strain data."|"WBStrain provided so WBPaper00059545 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061178 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061805 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061852 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061870 paper added based on AFP_Strain data."|"zcIs13 [hsp-6p::GFP + lin-15(+)]. Stable transgenic line with GFP expression mainly in the tail, observed from L1 to adult. Induced by perturbations of mitochondrial folding environment."

**Affected Gene:** WBGene00002010(hsp-6)

**Genomic Alteration:** WBGene00002010(hsp-6)

**Catalog Number:** WB-STRAIN:WBStrain00034068

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** live

**Source References:**
WBPaper00057239(PMID:31444089)WBPaper00059545(PMID:32294300)WBPaper00059596(PMID:3

**Alternate IDs:** WB-STRAIN:SJ4100

**Organism Name:** SJ4100

**Record Creation Time:** 20230227T013636+0000

**Record Last Update:** 20250419T234345+0000

## Ratings and Alerts

No rating or validation information has been found for SJ4100.

No alerts have been found for SJ4100.

## Data and Source Information

**Source:** Integrated Animals

**Source Database:** WormBase (WB)

## Usage and Citation Metrics

We found 16 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.

Wang C, et al. (2024) Metabolic rescue of ?-synuclein-induced neurodegeneration through propionate supplementation and intestine-neuron signaling in C. elegans. Cell reports, 43(3), 113865.

Wu Y, et al. (2024) Antibiotics Trigger Host Innate Immune Response via Microbiota-Brain Communication in C. elegans. International journal of molecular sciences, 25(16).

Gao AW, et al. (2024) High-content phenotypic analysis of a C. elegans recombinant inbred population identifies genetic and molecular regulators of lifespan. bioRxiv : the preprint server for biology.

Pu X, et al. (2024) Lysosomal dysfunction by inactivation of V-ATPase drives innate immune response in C. elegans. Cell reports, 43(5), 114138.

Li B, et al. (2024) Phloretic acid requires the insulin/IGF-1 pathway and autophagy to enhance stress resistance and extend the lifespan of Caenorhabditis elegans. Frontiers in pharmacology, 15, 1384227.

Sharifi S, et al. (2024) Reducing the metabolic burden of rRNA synthesis promotes healthy longevity in Caenorhabditis elegans. Nature communications, 15(1), 1702.

Liu P, et al. (2024) UPRER-immunity axis acts as physiological food evaluation system that promotes aversion behavior in sensing low-quality food. eLife, 13.

Wen YP, et al. (2024) Exploring the therapeutic potential of Nelumbo nucifera leaf extract against amyloid-beta-induced toxicity in the Caenorhabditis elegans model of Alzheimer's disease. Frontiers in pharmacology, 15, 1408031.

Tsai SH, et al. (2024) Peripheral peroxisomal ?-oxidation engages neuronal serotonin signaling to drive stress-induced aversive memory in C. elegans. Cell reports, 43(4), 113996.

Shen K, et al. (2024) The germline coordinates mitokine signaling. Cell, 187(17), 4605.

Hao F, et al. (2024) Bacterial peptidoglycan acts as a digestive signal mediating host adaptation to diverse food resources in C. elegans. Nature communications, 15(1), 3286.

Zhang H, et al. (2024) The extracellular matrix integrates mitochondrial homeostasis. Cell, 187(16), 4289.

Yang R, et al. (2022) NHR-80 senses the mitochondrial UPR to rewire citrate metabolism for lipid accumulation in Caenorhabditis elegans. Cell reports, 38(2), 110206.

Gao AW, et al. (2022) Multi-omics analysis identifies essential regulators of mitochondrial stress response in two wild-type C. elegans strains. iScience, 25(2), 103734.

Rackles E, et al. (2021) Reduced peroxisomal import triggers peroxisomal retrograde signaling. Cell reports, 34(3), 108653.

Rolland SG, et al. (2019) Compromised Mitochondrial Protein Import Acts as a Signal for UPRmt. Cell reports, 28(7), 1659.