

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

GRU101

RRID:WB-STRAIN:WBStrain00007979

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00007979

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00007979>

Proper Citation: RRID:WB-STRAIN:WBStrain00007979

Description: Caenorhabditis elegans with name gnals1. from WB.

Species: Caenorhabditis elegans

Synonyms: gnals1.

Notes: Control strain for pan-neuronal amyloid beta1-42 expressing strain GRU102. WT phenotype with pharyngeal YFP expression. Reference: Fong S, et al. Sci Rep. 2016 Sep 22;6:33781. doi: 10.1038/srep33781."gnals1 [myo-2p::yfp]. Control strain for pan-neuronal amyloid beta1-42 expressing strain GRU102. WT phenotype with pharyngeal YFP expression. Reference: Fong S, et al. Sci Rep. 2016 Sep 22;6:33781. doi: 10.1038/srep33781."["Supplementary_genotype gnals1 [myo-2p::YFP],"

Affected Gene: WBGene00003514(myo-2)

Genomic Alteration: WBGene00003514(myo-2)

Catalog Number: WB-STRAIN:WBStrain00007979

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32088829](#), [PMID:37080524](#), [PMID:37838776](#), [PMID:39329779](#), [PMID:39572679](#)

Alternate IDs: WB-STRAIN:GRU101, CGC_GRU101

Organism Name: GRU101

Record Creation Time: 20230227T013319+0000

Record Last Update: 20260808T170849+0000

Ratings and Alerts

No rating or validation information has been found for GRU101.

No alerts have been found for GRU101.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Morrow CS, et al. (2024) Endogenous mitochondrial NAD(P)H fluorescence can predict lifespan. Communications biology, 7(1), 1551.

Sirwani N, et al. (2024) Levels of Amyloid Beta (A??) Expression in the Caenorhabditis elegans Neurons Influence the Onset and Severity of Neuronally Mediated Phenotypes. Cells, 13(18).

Schiavi A, et al. (2023) Abl depletion via autophagy mediates the beneficial effects of quercetin against Alzheimer pathology across species. Cell death discovery, 9(1), 376.

Bonnard E, et al. (2022) Automatically tracking feeding behavior in populations of foraging C. elegans. eLife, 11.

Teo E, et al. (2019) Metabolic stress is a primary pathogenic event in transgenic Caenorhabditis elegans expressing pan-neuronal human amyloid beta. eLife, 8.