

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

AM101

RRID:WB-STRAIN:WBStrain00000178

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00000178

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00000178>

Proper Citation: RRID:WB-STRAIN:WBStrain00000178

Description: Caenorhabditis elegans with name rmls110. from WB.

Species: Caenorhabditis elegans

Synonyms: rmls110.

Notes: Mutagen:Gamma rays|"rmls110 [F25B3.3p::Q40::YFP]. Pan-neuronal YFP expression. Reference: Gidalevitz T, et al., Science. 2006 Mar 10;311(5766):1471-4."|"Supplementary_genotype (rmls110[F25B3.3p::Q40::YFP])"|"Supplementary_genotype rmls110 [F25B3.3p::Q40::YFP]"|"WBStrain provided so WBPaper00061396 paper added based on AFP_Strain data."

Affected Gene: WBGene00009100(rgef-1)

Genomic Alteration: WBGene00009100(rgef-1)

Catalog Number: WB-STRAIN:WBStrain00000178

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:33956916](#), [PMID:37103980](#), [PMID:37938769](#), [PMID:37783816](#), [PMID:38177330](#), [PMID:38852157](#), [PMID:39950089](#)

Alternate IDs: WB-STRAIN:AM101, CGC_AM101

Organism Name: AM101

Record Creation Time: 20230227T013220+0000

Record Last Update: 20260829T161152+0000

Ratings and Alerts

No rating or validation information has been found for AM101.

No alerts have been found for AM101.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Trujillo-Del Río C, et al. (2026) SIR-2.3/SIRT4 loss enhances proteostasis and neuronal resilience via AMPK-induced autophagy in Huntington's disease models. *Cell communication and signaling : CCS*, 24(1), 109.

Li J, et al. (2025) TMBIM-2 orchestrates systemic mitochondrial stress response via facilitating Ca²⁺ oscillations. *The Journal of cell biology*, 224(5).

Zhao R, et al. (2025) CaMK modulates sensory neural activity to control longevity and proteostasis. *Proceedings of the National Academy of Sciences of the United States of America*, 122(20), e2423428122.

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

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

Yang Y, et al. (2024) Autophagy protein ATG-16.2 and its WD40 domain mediate the beneficial effects of inhibiting early-acting autophagy genes in *C. elegans* neurons. *Nature aging*, 4(2), 198.

Bar-Ziv R, et al. (2023) Glial-derived mitochondrial signals affect neuronal proteostasis and aging. *Science advances*, 9(41), eadi1411.

Sun Y, et al. (2023) m1A in CAG repeat RNA binds to TDP-43 and induces neurodegeneration. *Nature*, 623(7987), 580.

Bar-Ziv R, et al. (2023) Glial-derived mitochondrial signals impact neuronal proteostasis and aging. *bioRxiv : the preprint server for biology*.