

Resource Summary Report

Generated by [NIF](#) on Aug 9, 2026

AM141

RRID:WB-STRAIN:WBStrain00000183

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00000183

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00000183>

Proper Citation: RRID:WB-STRAIN:WBStrain00000183

Description: Caenorhabditis elegans with name rmls133 [unc-54p::Q40::YFP]X from WB.

Species: Caenorhabditis elegans

Synonyms: rmls133 [unc-54p::Q40::YFP]X

Notes: Made_by: S. Garcia/A Chavez|"Mutagen:Gamma Rays"|"rmls133 [unc-54p::Q40::YFP]. AM141 animals show a soluble Q40::YFP distribution in body wall muscle cells immediately after hatching. As these worms age the rapid formation of foci is observed. When they reach adulthood, AM141 animals show an entirely Q40::YFP aggregated phenotype."|"Supplementary_genotype (rmls133[unc-54p::Q40::YFP])"|"WBStrain mapped, WBPaper00059685 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061483 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061562 added based on AFP_Strain data."|"WBStrain provided so WBPaper00061396 paper added based on AFP_Strain data."|"[2021-07-23T18:16:12.633Z WBPaper324] Kill Strain: In order to recreate with complete genotype"|"[2021-07-23T18:22:56.214Z WBPaper324] Ressurrect Strain: Genotype: rmls133 [unc-54p::Q40::YFP]"|"[2021-07-23T18:22:56.214Z WBPaper324] Strain Genotype: rmls133 [unc-54p::Q40::YFP]"

Affected Gene: WBGene00006789(unc-54)

Genomic Alteration: WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00000183

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32453327](#), [PMID:33466350](#), [PMID:33836595](#), [PMID:33956916](#), [PMID:34172445](#), [PMID:34617299](#), [PMID:34962383](#), [PMID:36774344](#), [PMID:37118550](#), [PMID:37118512](#), [PMID:37103980](#), [PMID:37726773](#), [PMID:38100354](#), [PMID:38746662](#), [PMID:38917419](#), [PMID:39418305](#)

Alternate IDs: WB-STRAIN:AM141, CGC_AM141

Organism Name: AM141

Record Creation Time: 20230227T013220+0000

Record Last Update: 20260808T170707+0000

Ratings and Alerts

No rating or validation information has been found for AM141.

No alerts have been found for AM141.

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](#) .

Valle-Jimenez X, et al. (2025) Phenolic Acids Commonly Found in Natural Products Modulate Protein Aggregation in Caenorhabditis elegans Neurodegeneration Models. ACS omega, 10(26), 27861.

Taylor SKB, et al. (2024) The neurotrophic factor MANF regulates autophagy and lysosome function to promote proteostasis in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 121(43), e2403906121.

Itkin T, et al. (2024) Exploiting the Unique Biology of Caenorhabditis elegans to Launch Neurodegeneration Studies in Space. Astrobiology, 24(6), 579.

Papandreou ME, et al. (2023) Nucleophagy delays aging and preserves germline immortality. Nature aging, 3(1), 34.

Schiavi A, et al. (2023) Mitochondria hormesis delays aging and associated diseases in Caenorhabditis elegans impacting on key ferroptosis players. iScience, 26(4), 106448.