

Resource Summary Report

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LIU1

RRID:WB-STRAIN:WBStrain00024198

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00024198

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00024198>

Proper Citation: RRID:WB-STRAIN:WBStrain00024198

Description: Caenorhabditis elegans with name ldr1s1[Pdhs-3::dhs-3::GFP + unc-76(+)] from WB.

Species: Caenorhabditis elegans

Synonyms: ldr1s1[Pdhs-3::dhs-3::GFP + unc-76(+)]

Notes: Intestinal lipid droplet marker strain|ldr1s1 [dhs-3p::dhs-3::GFP + unc-76(+)]. dhs-3::GFP is expressed mainly in intestinal cells and localized to intestinal lipid droplets. Reference: Zhang P, et al. Mol Cell Proteomics. 2012 Aug;11(8):317-28."|"Made_by: Zheng P & Na H"|"Supplementary_genotype ldr1s1[dhs-3p::dhs-3::GFP + unc-76(+)]|"WBStrain mapped, WBPaper00059854 added based on AFP_Strain data."|"WBStrain provided so WBPaper00061102 paper added based on AFP_Strain data."

Catalog Number: WB-STRAIN:WBStrain00024198

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32560629](#), [PMID:32572275](#), [PMID:33638604](#), [PMID:37127715](#), [PMID:37831769](#), [PMID:38547054](#), [PMID:39418305](#), [PMID:39504959](#)

Alternate IDs: WB-STRAIN:LIU1, CGC_LIU1

Organism Name: LIU1

Record Creation Time: 20230227T013521+0000

Record Last Update: 20260815T162929+0000

Ratings and Alerts

No rating or validation information has been found for LIU1.

No alerts have been found for LIU1.

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 [NIF](#) .

Ahsan FM, et al. (2026) Reductive death is averted by a conserved de novo lipogenic switch. *Molecular cell*, 86(13), 2539.

Tan EP, et al. (2025) Autophagy activator AA-20 improves proteostasis and extends *Caenorhabditis elegans* lifespan. *Proceedings of the National Academy of Sciences of the United States of America*, 122(32), e2423455122.

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.

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

Chumphoochai K, et al. (2023) Anti-Obesity Effects of Marine Macroalgae Extract *Caulerpa lentillifera* in a *Caenorhabditis elegans* Model. *Marine drugs*, 21(11).

Lu R, et al. (2022) Lysosome Inhibition Reduces Basal and Nutrient-Induced Fat Accumulation in *Caenorhabditis elegans*. *Molecules and cells*, 45(9), 649.