

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

DMS303

RRID:WB-STRAIN:WBStrain00006142

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00006142

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00006142>

Proper Citation: RRID:WB-STRAIN:WBStrain00006142

Description: Caenorhabditis elegans with name nls590 V. from WB.

Species: Caenorhabditis elegans

Synonyms: nls590 V.

Notes: nls590 [fat-7p::fat-7::GFP + lin15(+)] V. Derived by X-ray integration of waEx15. The fat-7::fat-7::GFP translational reporter is activated by 15C or acdh-11 loss-of-function. See Ma et al., Cell. 2015 May 21; 161(5): 11521163.

Catalog Number: WB-STRAIN:WBStrain00006142

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:33009389](#), [PMID:38374083](#)

Alternate IDs: WB-STRAIN:DMS303, CGC_DMS303

Organism Name: DMS303

Record Creation Time: 20230227T013305+0000

Record Last Update: 20260829T161330+0000

Ratings and Alerts

No rating or validation information has been found for DMS303.

No alerts have been found for DMS303.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Wilhelm T, et al. (2025) An intergenerational lipid memory of the social environment in *C. elegans*. bioRxiv : the preprint server for biology.

Chaturbedi A, et al. (2025) Different gametogenesis states uniquely impact longevity in *Caenorhabditis elegans*. Nature communications, 16(1), 9300.

Das P, et al. (2025) Iron-deplete diet enhances *Caenorhabditis elegans* lifespan via oxidative stress response pathways. The EMBO journal, 44(24), 7565.

Das P, et al. (2025) Iron-deplete diet enhances *Caenorhabditis elegans* lifespan via oxidative stress response pathways. bioRxiv : the preprint server for biology.

Pees B, et al. (2024) The *Caenorhabditis elegans* proteome response to two protective *Pseudomonas* symbionts. mBio, 15(4), e0346323.

Fox BW, et al. (2024) Evolutionarily related host and microbial pathways regulate fat desaturation in *C. elegans*. Nature communications, 15(1), 1520.

Ganner A, et al. (2023) SCD5 Regulation by VHL Affects Cell Proliferation and Lipid Homeostasis in ccRCC. Cells, 12(6).

Fox BW, et al. (2023) Evolutionarily related host and microbial pathways regulate fat desaturation. bioRxiv : the preprint server for biology.