Resource Summary Report

Generated by RRID on Aug 7, 2026

DA2250

RRID:WB-STRAIN:WBStrain00005599
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005599

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00005599

Proper Citation: RRID:WB-STRAIN:WBStrain00005599

Description: Caenorhabditis elegans with name mgl-2(tm355) I; mgl-1(tm1811) X. from WB.

Species: Caenorhabditis elegans

Synonyms: mgl-2(tm355) I; mgl-1(tm1811) X.

Notes: Superficially wild-type; multiple subtle phenotypes related to nutritional response. References: Kang C, You YJ, Avery L. Genes Dev. 2007 Sep 1;21(17):2161-71. Kang C, Avery L. Genes Dev. 2009 Jan 1;23(1):12-7.

Affected Gene: WBGene00003232(mgl-1)|WBGene00003233(mgl-2)

Genomic Alteration: WBGene00003232(mgl-1), WBGene00003233(mgl-2)

Catalog Number: WB-STRAIN:WBStrain00005599

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:38362034

Alternate IDs: WB-STRAIN:DA2250, CGC_DA2250

Organism Name: DA2250

Record Creation Time: 20230227T013301+0000

Record Last Update: 20260801T171144+0000

Ratings and Alerts

No rating or validation information has been found for DA2250.

No alerts have been found for DA2250.

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 RRID .

Motomura H, et al. (2022) Head-tail-head neural wiring underlies gut fat storage in Caenorhabditis elegans temperature acclimation. Proceedings of the National Academy of Sciences of the United States of America, 119(32), e2203121119.

Raulf MK, et al. (2021) Toxocara canis and Toxocara cati Somatic and Excretory-Secretory Antigens Are Recognised by C-Type Lectin Receptors. Pathogens (Basel, Switzerland), 10(3).

Kurashina R, et al. (2021) Intestinal lamina propria macrophages upregulate interleukin-10 mRNA in response to signals from commensal bacteria recognized by MGL1/CD301a. Glycobiology, 31(7), 827.

Rodriguez T, et al. (2020) MGL1 Receptor Plays a Key Role in the Control of T. cruzi Infection by Increasing Macrophage Activation through Modulation of ERK1/2, c-Jun, NF-??B and NLRP3 Pathways. Cells, 9(1).

Park D, et al. (2017) A conserved neuronal DAF-16/FoxO plays an important role in conveying pheromone signals to elicit repulsion behavior in Caenorhabditis elegans. Scientific reports, 7(1), 7260.

Montero-Barrera D, et al. (2015) The macrophage galactose-type lectin-1 (MGL1) recognizes Taenia crassiceps antigens, triggers intracellular signaling, and is critical for resistance to this infection. BioMed research international, 2015, 615865.