

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 2026

ZD101

RRID:WB-STRAIN:WBStrain00040806

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00040806

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00040806>

Proper Citation: RRID:WB-STRAIN:WBStrain00040806

Description: Caenorhabditis elegans with name tir-1(qd4) III. from WB.

Species: Caenorhabditis elegans

Synonyms: tir-1(qd4) III.

Notes: Enhanced pathogen susceptibility. Egg laying in response to food is defective.
Reference: Shivers RP et al., (2009) Cell Host Microbe 6:321-30.

Affected Gene: WBGene00006575(tir-1)

Genomic Alteration: WBGene00006575(tir-1)

Catalog Number: WB-STRAIN:WBStrain00040806

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:37122724](#), [PMID:38232128](#)

Alternate IDs: WB-STRAIN:ZD101, CGC_ZD101

Organism Name: ZD101

Record Creation Time: 20230227T013727+0000

Record Last Update: 20260725T172508+0000

Ratings and Alerts

No rating or validation information has been found for ZD101.

No alerts have been found for ZD101.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Pradhan S, et al. (2025) Pathogen infection induces sickness behaviors through neuromodulators linked to stress and satiety in *C. elegans*. *Nature communications*, 16(1), 3200.

VanDerMolen KR, et al. (2025) Non-cell-autonomous regulation of mTORC2 by Hedgehog signaling maintains lipid homeostasis. *Cell reports*, 44(1), 115191.

Liu Y, et al. (2025) Neuronal detection triggers systemic digestive shutdown in response to adverse food sources in *Caenorhabditis elegans*. *eLife*, 14.

Turner MJ, et al. (2020) Avoidance behavior independent of innate-immune signaling seen in *Caenorhabditis elegans* challenged with *Bacillus anthracis*. *Developmental and comparative immunology*, 102, 103453.