

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 22, 2026

MT10549

RRID:WB-STRAIN:WBStrain00027377

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00027377

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00027377>

Proper Citation: RRID:WB-STRAIN:WBStrain00027377

Description: Caenorhabditis elegans with name tdc-1(n3421) II. from WB.

Species: Caenorhabditis elegans

Synonyms: tdc-1(n3421) II.

Notes: Forages while backing. Deletion in L-aromatic amino acid decarboxylase with homology to histidine decarboxylase. Reference: Alkema M, et al. Neuron. 2005 Apr 21;46(2):247-60.["Mutagen:UV/TMP"]

Affected Gene: WBGene00006562(tdc-1)

Genomic Alteration: WBGene00006562(tdc-1)

Catalog Number: WB-STRAIN:WBStrain00027377

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:37155851](#)

Alternate IDs: WB-STRAIN:MT10549, CGC_MT10549

Organism Name: MT10549

Record Creation Time: 20230227T013545+0000

Record Last Update: 20260815T163026+0000

Ratings and Alerts

No rating or validation information has been found for MT10549.

No alerts have been found for MT10549.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Ji H, et al. (2023) A proprioceptive feedback circuit drives *Caenorhabditis elegans* locomotor adaptation through dopamine signaling. *Proceedings of the National Academy of Sciences of the United States of America*, 120(20), e2219341120.