# Resource Summary Report

Generated by NIF on Aug 23, 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 NIF .

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.