

Resource Summary Report

Generated by [NIF](#) on Aug 18, 2026

MT15620

RRID:WB-STRAIN:WBStrain00027527

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00027527

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00027527>

Proper Citation: RRID:WB-STRAIN:WBStrain00027527

Description: Caenorhabditis elegans with name cat-2(n4547) II. from WB.

Species: Caenorhabditis elegans

Synonyms: cat-2(n4547) II.

Notes: 1,010 bp deletion in cat-2. Reference: Omura D, et al. (2012) PLoS One. 2012;7(6):e38649.|"Supplementary_genotype cat-2(n4547)"|"WBStrain mapped, WBPaper00059778 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060969 added based on AFP_Strain data."|"WBStrain provided so WBPaper00061917 paper added based on AFP_Strain data."

Affected Gene: WBGene00000296(cat-2)

Genomic Alteration: WBGene00000296(cat-2)

Catalog Number: WB-STRAIN:WBStrain00027527

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32034695](#), [PMID:32510332](#), [PMID:33524034](#), [PMID:34517863](#), [PMID:37431892](#), [PMID:37773959](#), [PMID:40118018](#)

Alternate IDs: WB-STRAIN:MT15620, CGC_MT15620

Organism Name: MT15620

Record Creation Time: 20230227T013546+0000

Record Last Update: 20260815T163029+0000

Ratings and Alerts

No rating or validation information has been found for MT15620.

No alerts have been found for MT15620.

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 [NIF](#) .

Shahi N, et al. (2025) Neuromodulation of Swarming Behavior in *C. elegans*: Insights into the Conserved role of Calsyntenins. bioRxiv : the preprint server for biology.

Moro CA, et al. (2023) Adenylosuccinate lyase deficiency affects neurobehavior via perturbations to tyramine signaling in *Caenorhabditis elegans*. PLoS genetics, 19(9), e1010974.

Cermak N, et al. (2020) Whole-organism behavioral profiling reveals a role for dopamine in state-dependent motor program coupling in *C. elegans*. eLife, 9.

Smith LL, et al. (2019) Strengths and limitations of morphological and behavioral analyses in detecting dopaminergic deficiency in *Caenorhabditis elegans*. Neurotoxicology, 74, 209.