

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

MT9455

RRID:WB-STRAIN:WBStrain00027363

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00027363

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00027363>

Proper Citation: RRID:WB-STRAIN:WBStrain00027363

Description: Caenorhabditis elegans with name tbh-1(n3247)/X from WB.

Species: Caenorhabditis elegans

Synonyms: tbh-1(n3247)/X

Notes: n3247 is a 791 bp deletion which results in a truncated TBH-1 protein. Hypersensitive to 5-HT. Reduced locomotion rate.|"Supplementary_genotype tbh-1 (n3247)"|"Supplementary_genotype tbh-1(n3247)"|"WBStrain mapped, WBPaper00059778 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061409 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061527 added based on AFP_Strain data."

Affected Gene: WBGene00006541(tbh-1)

Genomic Alteration: WBGene00006541(tbh-1)

Catalog Number: WB-STRAIN:WBStrain00027363

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32510332](#), [PMID:37431892](#), [PMID:37628820](#), [PMID:37728328](#), [PMID:37773959](#), [PMID:38520690](#), [PMID:38573858](#)

Alternate IDs: WB-STRAIN:MT9455, CGC_MT9455

Organism Name: MT9455

Record Creation Time: 20230227T013545+0000

Record Last Update: 20260815T163026+0000

Ratings and Alerts

No rating or validation information has been found for MT9455.

No alerts have been found for MT9455.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

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.

Yokosawa R, et al. (2025) A Nuclear Hormone Receptor *nhr-76* Induces Age-Dependent Chemotaxis Decline in *C. elegans*. *Aging cell*, 24(12), e70277.

Tsai SH, et al. (2024) Peripheral peroxisomal β -oxidation engages neuronal serotonin signaling to drive stress-induced aversive memory in *C. elegans*. *Cell reports*, 43(4), 113996.

Banerjee N, et al. (2024) Distinct neurogenetic mechanisms establish the same chemosensory valence state at different life stages in *Caenorhabditis elegans*. *G3 (Bethesda, Md.)*, 14(2).

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

Pu L, et al. (2023) Hypoxia induces food leaving in *C. elegans*. *microPublication biology*, 2023.

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.