

Resource Summary Report

Generated by PRECISE-TBI on Aug 30, 2026

FX544

RRID:WB-STRAIN:WBStrain00007563

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00007563

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00007563>

Proper Citation: RRID:WB-STRAIN:WBStrain00007563

Description: Caenorhabditis elegans with name cdc-48.1(tm544) II. from WB.

Species: Caenorhabditis elegans

Synonyms: cdc-48.1(tm544) II.

Notes: Received new stock 10/30/08.|"Supplementary_genotype cdc-48.1(tm544)"|"This strain was generated by the National Bioresource Project at the Tokyo Women's Medical University School of Medicine, which is part of the International C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."

Affected Gene: WBGene00007352(cdc-48.1)

Genomic Alteration: WBGene00007352(cdc-48.1)

Catalog Number: WB-STRAIN:WBStrain00007563

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:37776851](https://pubmed.ncbi.nlm.nih.gov/37776851/)

Alternate IDs: WB-STRAIN:FX544, CGC_FX544

Organism Name: FX544

Record Creation Time: 20230227T013316+0000

Ratings and Alerts

No rating or validation information has been found for FX544.

No alerts have been found for FX544.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Li Q, et al. (2025) Leucine inhibits degradation of outer mitochondrial membrane proteins to adapt mitochondrial respiration. Nature cell biology, 27(11), 1889.

Shi J, et al. (2024) Identification of BiP as a temperature sensor mediating temperature-induced germline sex reversal in C. elegans. The EMBO journal, 43(18), 4020.

Kumar AV, et al. (2023) Lipid droplets modulate proteostasis, SQST-1/SQSTM1 dynamics, and lifespan in C. elegans. iScience, 26(10), 107960.

Doyle JJ, et al. (2023) Genetic Interactions of Progranulin Across the ALS-FTD Spectrum and Beyond. microPublication biology, 2023.

Franz A, et al. (2021) USP7 and VCPFAF1 define the SUMO/Ubiquitin landscape at the DNA replication fork. Cell reports, 37(2), 109819.