

Resource Summary Report

Generated by PRECISE-TBI on Aug 15, 2026

YA1039

RRID:WB-STRAIN:WBStrain00040706

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00040706

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00040706>

Proper Citation: RRID:WB-STRAIN:WBStrain00040706

Description: Caenorhabditis elegans with name mrt-1(yt2) I. from WB.

Species: Caenorhabditis elegans

Synonyms: mrt-1(yt2) I.

Notes: yt2 mutation perturbs the MRT-1 DNA-binding domain. Mortal germline. Progressive telomere shortening due to telomerase dysfunction. Hypersensitive to DNA interstrand crosslinking agents. This strain will become sterile after propagating 10-20 generations. mrt-1 mutants can be rejuvenated by outcrossing. Reference: Meier B, et al. EMBO J. 2009 Nov 18;28(22):3549-63."yt2 mutation perturbs the MRT-1 DNA-binding domain. Mortal germline. Progressive telomere shortening due to telomerase dysfunction. Hypersensitive to DNA interstrand crosslinking agents. This strain will become sterile after propagating 10-20 generations. mrt-1 mutants can be rejuvenated by outcrossing. Reference: Meier B, et al. EMBO J. 2009 Nov 18;28(22):3549-63."

Affected Gene: WBGene00045237(mrt-1)

Genomic Alteration: WBGene00045237(mrt-1)

Catalog Number: WB-STRAIN:WBStrain00040706

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:YA1039, CGC_YA1039

Organism Name: YA1039

Record Creation Time: 20230227T013726+0000

Record Last Update: 20260815T163424+0000

Ratings and Alerts

No rating or validation information has been found for YA1039.

No alerts have been found for YA1039.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We have not found any literature mentions for this resource.