

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

**+/mT1 [umnIs52] II; mT1 [dpy-10(e128)]/
ZK632.4(hd7181 [loxP + myo-2p::GFP::unc-54 3 UTR
+ rps-27p::neoR::unc-54 3 UTR + loxP]) III.**

RRID:WB-STRAIN:WBStrain00063344

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00063344

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00063344>

Proper Citation: RRID:WB-STRAIN:WBStrain00063344

Description: Caenorhabditis elegans with name +/mT1 [umnIs52] II; mT1 [dpy-10(e128)]/ ZK632.4(hd7181 [loxP + myo-2p::GFP::unc-54 3 UTR + rps-27p::neoR::unc-54 3 UTR + loxP]) III. from WB.

Species: Caenorhabditis elegans

Synonyms: +/mT1 [umnIs52] II; mT1 [dpy-10(e128)]/ ZK632.4(hd7181 [loxP + myo-2p::GFP::unc-54 3 UTR + rps-27p::neoR::unc-54 3 UTR + loxP]) III.

Notes: Made_by: VH KO group|"umnIs52 [myo-2p::mKate2 + NeoR, III: 8856215 (intergenic)] II. Pick viable fertile GFP+ and mKate2+ animals to maintain. Apparent homozygous lethal or sterile deletion balanced with mT1. Heterozygotes are wild-type GFP+ mKate2+, and segregate wild-type GFP+ mKate2+, sterile Dpy non-GFP mKate2+ mT1 homozygotes, and large numbers of arrested aneuploid embryos. Derived from parental strains VH7181 and CGC66. hd7181 is a 1382 bp deletion with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Left flanking Sequence: ACTTCCTGCACCCAGAACTCATCAATTCCA; Right flanking sequence: AGCCATGCTAGAATTTCCTTTGGGTCCCCA. sgRNA #1: TCACTACTATTTACTCCACG; sgRNA #2: GGAAGTCTTGCATTAGATGG. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

Affected Gene: WBGene00001072(dpy-10)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00001072(dpy-10), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00063344

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: +/-mT1 [umnIs52] II; mT1 [dpy-10(e128)]/ ZK632.4(hd7181 [loxP + myo-2p::GFP::unc-54 3 UTR + rps-27p::neoR::unc-54 3 UTR + loxP]) III.

Record Creation Time: 20250827T213357+0000

Record Last Update: 20260725T173014+0000

Ratings and Alerts

No rating or validation information has been found for +/-mT1 [umnIs52] II; mT1 [dpy-10(e128)]/ ZK632.4(hd7181 [loxP + myo-2p::GFP::unc-54 3 UTR + rps-27p::neoR::unc-54 3 UTR + loxP]) III..

No alerts have been found for +/-mT1 [umnIs52] II; mT1 [dpy-10(e128)]/ ZK632.4(hd7181 [loxP + myo-2p::GFP::unc-54 3 UTR + rps-27p::neoR::unc-54 3 UTR + loxP]) III..

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.