

Resource Summary Report

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

+/mT1[umnl52] II; K12H4.5(ve547[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/mT1 [dpy-10(e128)] III.

RRID:WB-STRAIN:WBStrain00047453

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00047453

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00047453>

Proper Citation: RRID:WB-STRAIN:WBStrain00047453

Description: Caenorhabditis elegans with name +/mT1[umnl52] II; K12H4.5(ve547[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/mT1 [dpy-10(e128)] III. from WB.

Species: Caenorhabditis elegans

Synonyms: +/mT1[umnl52] II; K12H4.5(ve547[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/mT1 [dpy-10(e128)] III.

Notes: Made_by: RG KO Group|"umnl52 [myo-2p::mKate2 + NeoR, III: 8856215 (intergenic)] II. Homozygous lethal. Deletion of 418 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break in parental strain N2. Heterozygotes are wild-type GFP+ mKate2+, and segregate wild-type GFP+ mKate2+, lethal GFP+ non-mKate2 (ve547 homozygotes), sterile Dpy non-GFP mKate2+ (mT1 homozygotes), and large numbers of arrested aneuploid embryos. Maintain by picking wild-type GFP+ mKate2+ and check for correct segregation of progeny to maintain. Left flanking Sequence: aaattaattaattataatgtgacctttt ; Right flanking sequence: agtcgtagacgatttcgatttcactgta. 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:WBStrain00047453

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: +/-mT1[umnIs52] II; K12H4.5(ve547[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/mT1 [dpy-10(e128)] III.

Record Creation Time: 20230227T013818+0000

Record Last Update: 20260815T163622+0000

Ratings and Alerts

No rating or validation information has been found for +/-mT1[umnIs52] II; K12H4.5(ve547[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/mT1 [dpy-10(e128)] III..

No alerts have been found for +/-mT1[umnIs52] II; K12H4.5(ve547[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/mT1 [dpy-10(e128)] 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.