

Resource Summary Report

Generated by [dkNET](#) on Aug 30, 2026

+/mT1 [umnIs52] II; mT1 [dpy-10(e128)]/tpk-1(hd7129 [loxP + myo-2p::GFP::unc-54 3 UTR + rps-27p::neoR::unc-54 3 UTR + loxP]) III

RRID:WB-STRAIN:WBStrain00063308

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00063308

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00063308>

Proper Citation: RRID:WB-STRAIN:WBStrain00063308

Description: Caenorhabditis elegans with name +/mT1 [umnIs52] II; mT1 [dpy-10(e128)]/tpk-1(hd7129 [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)]/tpk-1(hd7129 [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. 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 VH7127 and CGC66. hd7101 is a 1043 bp deletion with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Left flanking Sequence: TTTTGCCTCAGAGTAATAATAAGCTAAACA; Right flanking sequence: GGGATTCAAATCTTGATGTCAATCTTGAAA. sgRNA #1: TTTTAACCCCTCATCACAAG; sgRNA #2: CATTAAGAGTTAAATTGAGG. 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)|WBGene00014027(tpk-1)

Genomic Alteration: WBGene00001072(dpy-10), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00014027(tpk-1)

Catalog Number: WB-STRAIN:WBStrain00063308

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: +/-mT1 [umnIs52] II; mT1 [dpy-10(e128)]/tpk-1(hd7129 [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: 20260829T163118+0000

Ratings and Alerts

No rating or validation information has been found for +/-mT1 [umnIs52] II; mT1 [dpy-10(e128)]/tpk-1(hd7129 [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)]/tpk-1(hd7129 [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.