

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

+/mT1 [umnIs52] II; uev-2(ve670[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/mT1 [dpy-10(e128)] III.

RRID:WB-STRAIN:WBStrain00049409

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049409

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049409>

Proper Citation: RRID:WB-STRAIN:WBStrain00049409

Description: *Caenorhabditis elegans* with name +/mT1 [umnIs52] II; uev-2(ve670[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 [umnIs52] II; uev-2(ve670[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|"umnIs52 [myo-2p::mKate2 + NeoR, III: 8856215 (intergenic)] II. Homozygous sterile. Deletion of 1228 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+ heterozygotes, GFP+ non-mKate2 sterile adults (ve670 homozygotes), sterile Dpy non-GFP mKate2+ (mT1 homozygotes), and dead eggs (aneuploids). Maintain by picking wild-type GFP+ mKate2+ and check for correct segregation of progeny. Left flanking Sequence: aagatccagcttaggttcagttaacgcggc ; Right flanking sequence: tatggaatttttcagatttttctcaaaaaa. sgRNA #1: GGATACTTCATGTATCCCA; sgRNA #2: AACGTCGAATAATAGCGCAT. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."|"umnIs52 [myo-2p::mKate2 + NeoR, III: 8856215 (intergenic)] II. Homozygous sterile. Deletion of 1228 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+ heterozygotes, GFP+ non-mKate2 sterile adults (ve670 homozygotes), sterile Dpy non-GFP mKate2+ (mT1 homozygotes), and dead eggs (aneuploids). Maintain by picking wild-

type GFP+ mKate2+ and check for correct segregation of progeny. Left flanking Sequence: aagatccagcttaggttcagttaacgcggc ; Right flanking sequence: tatggaatttttcagatttttctcaaaaa. sgRNA #4: GGATACTTCCATGTATCCCA; sgRNA #5: AACGTCGAATAATAGCGCAT. 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)|WBGene00006731(uev-2)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00001072(dpy-10), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006731(uev-2), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00049409

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: +/-mT1 [umnIs52] II; uev-2(ve670[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/mT1 [dpy-10(e128)] III.

Record Creation Time: 20230227T013832+0000

Record Last Update: 20260808T171810+0000

Ratings and Alerts

No rating or validation information has been found for +/-mT1 [umnIs52] II; uev-2(ve670[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; uev-2(ve670[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.