

# Resource Summary Report

Generated by [dkNET](#) on Aug 23, 2026

**+/mT1 [umnIs52] II; psd-1(gk5580[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/mT1 [dpy-10(e128)] III.**

RRID:WB-STRAIN:WBStrain00051004

Type: Organism

## Proper Citation

RRID:WB-STRAIN:WBStrain00051004

## Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00051004>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00051004

**Description:** Caenorhabditis elegans with name +/mT1 [umnIs52] II; psd-1(gk5580[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; psd-1(gk5580[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/mT1 [dpy-10(e128)] III.

**Notes:** umnIs52 [myo-2p::mKate2 + NeoR, III: 8856215 (intergenic)] II. Pick viable fertile GFP+ and mKate2+ animals to maintain. Apparent homozygous lethal or sterile deletion as unbalanced heterozygote. Heterozygotes are wild-type GFP+ mKate2+, and segregate wild-type GFP+ mKate2+, GFP+ non-mKate2 (gk5580 homozygotes), sterile Dpy non-GFP mKate2+ mT1 homozygotes, and large numbers of arrested aneuploid embryos. Derived from parental strains VC4509 and CGC66. gk5580 is a 6731 bp deletion with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Left flanking sequence: TACAAGCTCGACACTTGCCACGTGGACTAA. Right flanking sequence: TCTGGCGGACCGAAGAACGTTGAAAAGTGG. 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)|WBGene00015159(psd-1)

**Genomic Alteration:** WBGene00001072(dpy-10), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00015159(psd-1)

**Catalog Number:** WB-STRAIN:WBStrain00051004

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** unknown

**Organism Name:** +/-mT1 [umnIs52] II; psd-1(gk5580[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/mT1 [dpy-10(e128)] III.

**Record Creation Time:** 20230227T013844+0000

**Record Last Update:** 20260815T163732+0000

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## Ratings and Alerts

No rating or validation information has been found for +/-mT1 [umnIs52] II; psd-1(gk5580[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; psd-1(gk5580[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/mT1 [dpy-10(e128)] III..

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.