

# Resource Summary Report

Generated by T1D on Sep 5, 2026

**+/*nT1[umnl49]* IV; Y61A9LA.10(ve782[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V.**

RRID:WB-STRAIN:WBStrain00055431

Type: Organism

## Proper Citation

RRID:WB-STRAIN:WBStrain00055431

## Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00055431>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00055431

**Description:** *Caenorhabditis elegans* with name +/*nT1[umnl49]* IV; Y61A9LA.10(ve782[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V. from WB.

**Species:** *Caenorhabditis elegans*

**Synonyms:** +/*nT1[umnl49]* IV; Y61A9LA.10(ve782[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V.

**Notes:** Made\_by: RG KO Group|"umnl49 [myo-2p::mKate2 + NeoR, V: 1005689 (intergenic)] IV. Homozygous larval arrest. Deletion of 8730 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+, GFP+ non-mKate arrested larvae (ve782 homozygotes), Vul non-GFP mKate2+ (nT1 homozygotes) and dead eggs (aneuploids). Maintain by picking wild-type GFP+ mKate2+. Maintain by picking wild-type GFP+ mKate2+. Left flanking Sequence: ctTCAGGAGCTGCTCGCCGATGAGCCAAGA ; Right flanking sequence: cacggcgtgcgcgtcagtgacgaaacgc. sgRNA #1: GCAAACTTCGAAAGGCTCT; sgRNA #2: aaattggttgctgacgcga. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

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

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

**Catalog Number:** WB-STRAIN:WBStrain00055431

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** unknown

**Organism Name:** +/-nT1[umnlIs49] IV; Y61A9LA.10(ve782[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V.

**Record Creation Time:** 20240716T202610+0000

**Record Last Update:** 20260905T115809+0000

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## Ratings and Alerts

No rating or validation information has been found for +/-nT1[umnlIs49] IV; Y61A9LA.10(ve782[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V..

No alerts have been found for +/-nT1[umnlIs49] IV; Y61A9LA.10(ve782[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V..

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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.