

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

+/nT1 [umnlIs49] IV; hpo-31(ve643[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V.

RRID:WB-STRAIN:WBStrain00049382

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049382

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049382>

Proper Citation: RRID:WB-STRAIN:WBStrain00049382

Description: Caenorhabditis elegans with name +/nT1 [umnlIs49] IV; hpo-31(ve643[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 [umnlIs49] IV; hpo-31(ve643[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V.

Notes: Made_by: RG KO Group|"umnlIs49 [myo-2p::mKate2 + NeoR, V: 1005689 (intergenic)] IV. Homozygous larval lethal. Deletion of 2300 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 (ve641 homozygotes), Vul non-GFP mKate2+ (nT1 homozygotes) and dead eggs (aneuploids).|"umnlIs49 [myo-2p::mKate2 + NeoR, V: 1005689 (intergenic)] IV. Homozygous larval lethal. Deletion of 2300 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 (ve641 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: GAAAATTGATAATGAAGATTTTCGcaagt ; Right flanking sequence: gtcggtctgtgaaatgatagaatctaact. 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)|WBGene00010089(hpo-31)

Genomic Alteration: WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00010089(hpo-31)

Catalog Number: WB-STRAIN:WBStrain00049382

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: +/-nT1 [umnlIs49] IV; hpo-31(ve643[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V.

Record Creation Time: 20230227T013832+0000

Record Last Update: 20260725T172705+0000

Ratings and Alerts

No rating or validation information has been found for +/-nT1 [umnlIs49] IV; hpo-31(ve643[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; hpo-31(ve643[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 V..

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.