

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 16, 2026

+/*nT1* [*umnl*s49] IV; F53F1.2(ve656[LoxP + myo-2p::*GFP*::*unc-54* 3' UTR + *rps-27p*::*neoR*::*unc-54* 3' UTR + LoxP)]/*nT1* V.

RRID:WB-STRAIN:WBStrain00049395

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049395

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049395>

Proper Citation: RRID:WB-STRAIN:WBStrain00049395

Description: *Caenorhabditis elegans* with name +/*nT1* [*umnl*s49] IV; F53F1.2(ve656[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* [*umnl*s49] IV; F53F1.2(ve656[LoxP + myo-2p::*GFP*::*unc-54* 3' UTR + *rps-27p*::*neoR*::*unc-54* 3' UTR + LoxP)]/*nT1* V.

Notes: Made_by: RG KO Group|"*umnl*s49 [*myo-2p*::*mKate2* + NeoR, V: 1005689 (intergenic)] IV. Homozygous Mel. Deletion of 1448 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* adults that lay dead eggs (ve656 homozygotes), Vul non-GFP *mKate2*+ (*nT1* homozygotes) and dead eggs (aneuploids)."*umnl*s49 [*myo-2p*::*mKate2* + NeoR, V: 1005689 (intergenic)] IV. Homozygous Mel. Deletion of 1448 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* adults that lay dead eggs (ve656 homozygotes), Vul non-GFP *mKate2*+ (*nT1* homozygotes) and dead eggs (aneuploids). Maintain by picking wild-type GFP+ *mKate2*+. Left flanking Sequence: aataacttttgctgtcgcgcctcattcctgat ; Right flanking sequence: tcgcaatattccgctataatatcttagtt. sgRNA #1: gaatcgaggtcagtcgcac; sgRNA #2: atagcggaaattgcgagag. 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:WBStrain00049395

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: +/-nT1 [umnIs49] IV; F53F1.2(ve656[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: 20260815T163658+0000

Ratings and Alerts

No rating or validation information has been found for +/-nT1 [umnIs49] IV; F53F1.2(ve656[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 [umnIs49] IV; F53F1.2(ve656[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.