

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

+/*nT1* [*umnl*s49] IV; *mrps*-2 (*hd*7170 [*loxP* + *myo*-2p::*GFP*::*unc*-54 3 UTR + *rps*-27p::*neoR*::*unc*-54 3 UTR + *loxP*)]/*nT1* V

RRID:WB-STRAIN:WBStrain00063335

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00063335

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00063335>

Proper Citation: RRID:WB-STRAIN:WBStrain00063335

Description: *Caenorhabditis elegans* with name +/*nT1* [*umnl*s49] IV; *mrps*-2 (*hd*7170 [*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; *mrps*-2 (*hd*7170 [*loxP* + *myo*-2p::*GFP*::*unc*-54 3 UTR + *rps*-27p::*neoR*::*unc*-54 3 UTR + *loxP*)]/*nT1* V

Notes: Made_by: VH KO group|"umnl

s49 [*myo*-2p::*mKate*2 + *NeoR*, V: 1005689 (intergenic)] IV. Pick viable fertile GFP+ and *mKate*2+ animals to maintain. Apparent homozygous lethal or sterile deletion balanced over *nT1*. Heterozygotes are wild-type GFP+ *mKate*2+, and segregate wild-type GFP+ *mKate*2+, Vul *mKate*2+ (*nT1*) and dead eggs. Derived from parental strains VH7170 and CGC63. *hd*7170 is a 966 bp deletion with Calarco/Colaiacovo selection cassette conferring *myo*-2 GFP and G418 resistance inserted at break. Left flanking Sequence: CAGAAAGAGCCTTCTCGACACGATTTTCCG; Right flanking sequence: TTCGAAAGTGGCAATCAGGAACCTCTAACGA. sgRNA #1: AATGGTTACCTGCTGCGACG; sgRNA #2: GGTGTTGGGCAATACTCTCACG. 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)|WBGene00020718(*mrps*-2)

Genomic Alteration: WBGene00003514(*myo*-2), WBGene00004496(*rps*-27), WBGene00006789(*unc*-54), WBGene00020718(*mrps*-2)

Catalog Number: WB-STRAIN:WBStrain00063335

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: +/-nT1 [umnIs49] IV; mrps-2 (hd7170 [loxP + myo-2p::GFP::unc-54 3 UTR + rps-27p::neoR::unc-54 3 UTR + loxP])/nT1 V

Record Creation Time: 20250827T213357+0000

Record Last Update: 20260815T164105+0000

Ratings and Alerts

No rating or validation information has been found for +/-nT1 [umnIs49] IV; mrps-2 (hd7170 [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; mrps-2 (hd7170 [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.