

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

+/*nT1* [*umnl*s49] IV; *aln*-5 (*hd*7175[*loxP* + *myo*-2p::*GFP*::*unc*-54 3 UTR + *rps*-27p::*neoR*::*unc*-54 3 UTR + *loxP*)]/*nT1* V.

RRID:WB-STRAIN:WBStrain00063340

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00063340

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00063340>

Proper Citation: RRID:WB-STRAIN:WBStrain00063340

Description: *Caenorhabditis elegans* with name +/*nT1* [*umnl*s49] IV; *aln*-5 (*hd*7175[*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; *aln*-5 (*hd*7175[*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 VH7175 and CGC63. *hd*7175 is a 1325 bp deletion with Calarco/Colaiacovo selection cassette conferring *myo*-2 *GFP* and G418 resistance inserted at break. Left flanking Sequence: TCCAAAAAATCAATATCTTCACCATTTTCA; Right flanking sequence: TGGAGCTACAAAATTCGCCGATTTTGAAAA. sgRNA #1: GACTTTCCTACGCAACACCA; sgRNA #2: ATTCTCTTCGCAGATGCCGA. 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)|WBGene00019276(*aln*-5)

Genomic Alteration: WBGene00003514(*myo*-2), WBGene00004496(*rps*-27), WBGene00006789(*unc*-54), WBGene00019276(*aln*-5)

Catalog Number: WB-STRAIN:WBStrain00063340

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: +/-nT1 [umnl549] IV; algn-5 (hd7175[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: 20260919T181443+0000

Ratings and Alerts

No rating or validation information has been found for +/-nT1 [umnl549] IV; algn-5 (hd7175[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 [umnl549] IV; algn-5 (hd7175[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.