

# Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

[elo-2\(ve602\[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP\]\)/nT1 \[umnIs49\] IV; +/-nT1 V.](#)

RRID:WB-STRAIN:WBStrain00049341

Type: Organism

## Proper Citation

RRID:WB-STRAIN:WBStrain00049341

## Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00049341>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00049341

**Description:** Caenorhabditis elegans with name elo-2(ve602[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 [umnIs49] IV; +/-nT1 V. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** elo-2(ve602[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 [umnIs49] IV; +/-nT1 V.

**Notes:** Made\_by: RG KO Group|"umnIs49 [myo-2p::mKate2 + NeoR, V: 1005689 (intergenic)] IV. ?. Deletion of 1650 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 PHENOTYPIC DESCRIPTION (ve602 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: accgggaaaaatgtgaaattgcgaaactag ; Right flanking sequence: ggagggcaaagtgtatttttaaattgattt. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."|"umnIs49 [myo-2p::mKate2 + NeoR, V: 1005689 (intergenic)] IV. Homozygous unhealthy. Deletion of 1650 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 sickly animals that can grow up to lay small broods (ve602 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: accgggaaaaatgtgaaattgcgaaactag ; Right

flanking sequence: ggagggcaaagtgtatttttaaatgattt. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

**Affected Gene:** WBGene00001240(elo-2)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)

**Genomic Alteration:** WBGene00001240(elo-2), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54)

**Catalog Number:** WB-STRAIN:WBStrain00049341

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** unknown

**Organism Name:** elo-2(ve602[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 [umnIs49] IV; +/-nT1 V.

**Record Creation Time:** 20230227T013832+0000

**Record Last Update:** 20260808T171809+0000

---

## Ratings and Alerts

No rating or validation information has been found for elo-2(ve602[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 [umnIs49] IV; +/-nT1 V..

No alerts have been found for elo-2(ve602[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1 [umnIs49] IV; +/-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.