

Resource Summary Report

Generated by [dkNET](#) on Aug 31, 2026

[rpt-5\(ve627\[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP\]\)/hT1 \[umnIs58\] I; +/-hT1 \[unc-42\(e270\)\] V.](#)

RRID:WB-STRAIN:WBStrain00049366

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049366

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049366>

Proper Citation: RRID:WB-STRAIN:WBStrain00049366

Description: Caenorhabditis elegans with name rpt-5(ve627[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1 [umnIs58] I; +/-hT1 [unc-42(e270)] V. from WB.

Species: Caenorhabditis elegans

Synonyms: rpt-5(ve627[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1 [umnIs58] I; +/-hT1 [unc-42(e270)] V.

Notes: Made_by: RG KO Group|"umnIs58 [myo-2p::mKate2 + NeoR, V: 1005689 (intergenic)] V. Larval lethal w/ escapers that show pleiotropic phenotypes. Deletion of 1521 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-mKate2 arrested larvae with occasional escapers (ve627 homozygotes), non-GFP mKate2+ arrested larvae (hT1 homozygotes), and dead eggs (aneuploids). Maintain by picking wild-type GFP+ and mKate2+. Left flanking Sequence: gattcaaaggggaacacagtgacaaccggga ; Right flanking sequence: tctggggcctgaaaattagttgtaattgct. 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)|WBGene00004505(rpt-5)|WBGene00006778(unc-42)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00004505(rpt-5), WBGene00006778(unc-42), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00049366

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: rpt-5(ve627[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1 [umnIs58] I; +/hT1 [unc-42(e270)] V.

Record Creation Time: 20230227T013832+0000

Record Last Update: 20260829T162712+0000

Ratings and Alerts

No rating or validation information has been found for rpt-5(ve627[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1 [umnIs58] I; +/hT1 [unc-42(e270)] V..

No alerts have been found for rpt-5(ve627[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1 [umnIs58] I; +/hT1 [unc-42(e270)] 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.