

Resource Summary Report

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

Y54F10AM.5(ve667[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II.

RRID:WB-STRAIN:WBStrain00049406

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049406

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049406>

Proper Citation: RRID:WB-STRAIN:WBStrain00049406

Description: Caenorhabditis elegans with name Y54F10AM.5(ve667[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II. from WB.

Species: Caenorhabditis elegans

Synonyms: Y54F10AM.5(ve667[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II.

Notes: Made_by: RG KO Group|"umnIs41 [myo-2p::mKate2 + NeoR, III: 518034 (intergenic)] III. Homozygous larval arrest. Deletion of 1461 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 (ve667 homozygotes), Dpy non-GFP mKate2+ (sC1 homozygotes). Maintain by picking wild-type GFP+ mKate2+. Left flanking Sequence: aacttgtgtggattacgggcaaacagccg ; Right flanking sequence: ACAATATTACTGAAAGCTAGatttctctga. sgRNA #1: ataaaatttgtttgcgcaa; sgRNA #2: AGCGCCAGTCGTTGTATTTA. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

Affected Gene: WBGene00001063(dpy-1)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00001063(dpy-1), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00049406

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: Y54F10AM.5(ve667[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II.

Record Creation Time: 20230227T013832+0000

Record Last Update: 20260829T162702+0000

Ratings and Alerts

No rating or validation information has been found for Y54F10AM.5(ve667[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II..

No alerts have been found for Y54F10AM.5(ve667[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II..

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.