

Resource Summary Report

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

[mek-2\(ve666\[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP\]\)/hT1\[umnl58\] I;+/hT1\[unc-42\(e270\)\] V.](#)

RRID:WB-STRAIN:WBStrain00049405

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049405>

Proper Citation: RRID:WB-STRAIN:WBStrain00049405

Description: Caenorhabditis elegans with name mek-2(ve666[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1[umnl58] I;+/hT1[unc-42(e270)] V. from WB.

Species: Caenorhabditis elegans

Synonyms: mek-2(ve666[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1[umnl58] I;+/hT1[unc-42(e270)] V.

Notes: Made_by: RG KO Group|"umnl58 [myo-2p::mKate2 + NeoR, V: 1005689 (intergenic)] V. Homozygous sterile. Deletion of 4483 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 sterile adults(ve666 homozygotes), non-GFP mKate2+ arrested larvae (hT1 homozygotes), and dead eggs (aneuploids). Maintain by picking wild-type GFP+ and mKate2+. Left flanking Sequence: tagaatcaccctggagctggagcatcct ; Right flanking sequence: cggggcgacggaaattgcgtgcgcaacga. sgRNA #1: ctcttgcctctcactgtct; sgRNA #2: caagggatgttcactgcgcg. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

Affected Gene: WBGene00003186(mek-2)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006778(unc-42)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00003186(mek-2), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006778(unc-42), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00049405

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: mek-2(ve666[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1[umnl58] I;+/hT1[unc-42(e270)] V..

Record Creation Time: 20230227T013832+0000

Record Last Update: 20260829T162713+0000

Ratings and Alerts

No rating or validation information has been found for mek-2(ve666[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1[umnl58] I;+/hT1[unc-42(e270)] V..

No alerts have been found for mek-2(ve666[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT1[umnl58] 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.