

Resource Summary Report

Generated by [dkNET](#) on Aug 1, 2026

Y41D4A.6(ve687[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25

RRID:WB-STRAIN:WBStrain00049426

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049426

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049426>

Proper Citation: RRID:WB-STRAIN:WBStrain00049426

Description: Caenorhabditis elegans with name Y41D4A.6(ve687[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25 from WB.

Species: Caenorhabditis elegans

Synonyms: Y41D4A.6(ve687[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25

Notes: Homozygous sterile. Deletion of 4404 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+, and segregate wild-type GFP+, GFP+sterile adults (ve687 homozygotes) and Unc animals (tmC25 [unc-5(tm9708)] homozygotes). Maintain by picking wild-type GFP+. Left flanking Sequence:

ATTCGGCGCTGTTCCAGACGCTGTCGGCG ; Right flanking sequence:

aggcactgtgctgcagtttgggtccgcaa. sgRNA #1: TGACAATCAAATCGACTTCC; sgRNA #2: caatttctagaatttcca. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation.|"Made_by: RG KO Group"

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

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

Catalog Number: WB-STRAIN:WBStrain00049426

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: Y41D4A.6(ve687[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25

Record Creation Time: 20230227T013832+0000

Record Last Update: 20260801T172319+0000

Ratings and Alerts

No rating or validation information has been found for Y41D4A.6(ve687[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25.

No alerts have been found for Y41D4A.6(ve687[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25.

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.