

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

Y54G2A.75(ve697[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV.

RRID:WB-STRAIN:WBStrain00049436

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049436

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049436>

Proper Citation: RRID:WB-STRAIN:WBStrain00049436

Description: Caenorhabditis elegans with name Y54G2A.75(ve697[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV. from WB.

Species: Caenorhabditis elegans

Synonyms: Y54G2A.75(ve697[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV.

Notes: Homozygous larval lethal. Deletion of 635 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+dead larvae (ve697 homozygotes) and Unc animals (tmC25 [unc-5(tm9708)] homozygotes). Maintain by picking wild-type GFP+. Left flanking Sequence: ccgaaatgccgcatcgctgtgttagcc; Right flanking sequence: TGGAGCTCGTAAAGGACGTGGTCTTGTCAT. sgRNA #1: atcgctgtgttagccag; sgRNA #2: ATCATCGAGACGGTCTATCG. 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)|WBGene00006745(unc-5)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006745(unc-5), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00049436

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: Y54G2A.75(ve697[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV.

Record Creation Time: 20230227T013832+0000

Record Last Update: 20260725T172706+0000

Ratings and Alerts

No rating or validation information has been found for Y54G2A.75(ve697[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV..

No alerts have been found for Y54G2A.75(ve697[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV..

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.