

Resource Summary Report

Generated by [ASWG](#) on Aug 23, 2026

RG3027

RRID:WB-STRAIN:WBStrain00033354

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00033354

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00033354>

Proper Citation: RRID:WB-STRAIN:WBStrain00033354

Description: Caenorhabditis elegans with name C40H5.2(ve527[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) X. from WB.

Species: Caenorhabditis elegans

Synonyms: C40H5.2(ve527[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) X.

Notes: Homozygous viable. Deletion of 1675 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break in parental strain N2. Left flanking Sequence: ccaggcaatgatcaacgATGTACGCCTTAT ; Right flanking sequence: TCTGGAAGATCTTGAAGACTCTGCCATTCT. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."|"Homozygous viable. Deletion of 1675 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Left flanking Sequence: ccaggcaatgatcaacgATGTACGCCTTAT ; Right flanking sequence: TCTGGAAGATCTTGAAGACTCTGCCATTCT. 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"|"Superficially wild-type. CRISPR/Cas9 deletion of C40H5.2. Insertion site verified by PCR. myo-2p::GFP + NeoR cassette is still present but may be excised using LoxP sites. Left flanking sequence: ccaggcaatgatcaacgATGTACGCCTTAT Right flanking sequence: TCTGGAAGATCTTGAAGACTCTGCCATTCT"

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:WBStrain00033354

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:RG3027, CGC_RG3027

Organism Name: RG3027

Record Creation Time: 20230227T013630+0000

Record Last Update: 20260815T163214+0000

Ratings and Alerts

No rating or validation information has been found for RG3027.

No alerts have been found for RG3027.

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.