

Resource Summary Report

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

C45G3.3(gk5549[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I.

RRID:WB-STRAIN:WBStrain00051174

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00051174

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00051174>

Proper Citation: RRID:WB-STRAIN:WBStrain00051174

Description: Caenorhabditis elegans with name C45G3.3(gk5549[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I. from WB.

Species: Caenorhabditis elegans

Synonyms: C45G3.3(gk5549[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I.

Notes: Made_by: Vancouver KO Group|[NOTE: Please see RG5023 for balanced version of this strain.] Apparent homozygous lethal or sterile deletion as unbalanced heterozygote. Deletion of 1227 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Pick viable fertile GFP+ animals to maintain. Left flanking sequence: TGTTTTGAACGCTCGCGCCACAATGTCATA. Right flanking sequence: ATTTTCCCTTGTTCTCTTGCTCACAGTAAT. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

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:WBStrain00051174

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: C45G3.3(gk5549[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I.

Record Creation Time: 20230227T013845+0000

Record Last Update: 20260815T163736+0000

Ratings and Alerts

No rating or validation information has been found for C45G3.3(gk5549[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I..

No alerts have been found for C45G3.3(gk5549[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I..

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.