

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

Y54F10AL.1(gk5484[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ III.

RRID:WB-STRAIN:WBStrain00051154

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00051154

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00051154>

Proper Citation: RRID:WB-STRAIN:WBStrain00051154

Description: Caenorhabditis elegans with name Y54F10AL.1(gk5484[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ III. from WB.

Species: Caenorhabditis elegans

Synonyms: Y54F10AL.1(gk5484[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ III.

Notes: Apparent homozygous lethal or sterile deletion as unbalanced heterozygote. Deletion of 4078 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: TTCTAATCCCGCACCCACACGTAATGCAGA. Right flanking sequence: GGTGGTGGAGTTGCTTCTCAGTAAGGAATT. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation.|"Made_by: Vancouver 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:WBStrain00051154

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: Y54F10AL.1(gk5484[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ III.

Record Creation Time: 20230227T013845+0000

Record Last Update: 20260808T171837+0000

Ratings and Alerts

No rating or validation information has been found for Y54F10AL.1(gk5484[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ III..

No alerts have been found for Y54F10AL.1(gk5484[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ III..

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.