

Resource Summary Report

Generated by [ASWG](#) on Aug 15, 2026

ZC434.4(gk5836[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I.

RRID:WB-STRAIN:WBStrain00051434

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00051434

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00051434>

Proper Citation: RRID:WB-STRAIN:WBStrain00051434

Description: Caenorhabditis elegans with name ZC434.4(gk5836[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I. from WB.

Species: Caenorhabditis elegans

Synonyms: ZC434.4(gk5836[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 RG5028 for balanced version of this strain.] Apparent homozygous lethal or sterile deletion as unbalanced heterozygote. Deletion of 1235 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: CTCCATTCTTGATATGCAATGTTTTTTAAA. Right flanking sequence: TGGGCTAAGAGTTCCGATGCACCCTCGGTG. 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:WBStrain00051434

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: ZC434.4(gk5836[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I.

Record Creation Time: 20230227T013847+0000

Record Last Update: 20260808T171838+0000

Ratings and Alerts

No rating or validation information has been found for ZC434.4(gk5836[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ I..

No alerts have been found for ZC434.4(gk5836[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.