

Resource Summary Report

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

[iars-2\(gk5471\[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP\]\)](#)

RRID:WB-STRAIN:WBStrain00051913

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00051913

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00051913>

Proper Citation: RRID:WB-STRAIN:WBStrain00051913

Description: Caenorhabditis elegans with name iars-2(gk5471[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP]) from WB.

Species: Caenorhabditis elegans

Synonyms: iars-2(gk5471[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])

Notes: Made_by: Morgan Zaic|"umnl573 [myo-2p::mKate2 + NeoR, III: 9421936 (intergenic)] I. Pick viable fertile GFP+ and mKate2+ animals to maintain. Apparent homozygous lethal or sterile deletion balanced over mKate2 tagged hT2. Heterozygotes are wild-type GFP+ mKate2+, and segregate wild-type GFP+ mKate2+, GFP+ non-mKate2 (gk5471 homozygotes), lethal non-GFP mKate2+ hT2 homozygotes (arrest stage unknown) and dead eggs (aneuploids). Derived from parental strains VC4393 and CGC92. gk5471 is a 3877 bp deletion with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Left flanking sequence: GAAATATTCGAACTTCTCGATGGTCCACCA; Right flanking sequence: ATAGAAAACAGGATTTGATGTTGAAAATTT. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

Affected Gene: WBGene00000254(bli-4)|WBGene00002153(iars-2)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00000254(bli-4), WBGene00002153(iars-2), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00051913

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: iars-2(gk5471[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])

Record Creation Time: 20230227T013850+0000

Record Last Update: 20260808T171848+0000

Ratings and Alerts

No rating or validation information has been found for iars-2(gk5471[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP]).

No alerts have been found for iars-2(gk5471[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP]).

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.