

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 22, 2026

## R53.4(gk5745[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ II.

RRID:WB-STRAIN:WBStrain00051349

Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00051349

### Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00051349>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00051349

**Description:** Caenorhabditis elegans with name R53.4(gk5745[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ II. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** R53.4(gk5745[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ II.

**Notes:** Apparent homozygous lethal or sterile deletion as unbalanced heterozygote. Deletion of 612 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: CCCAGCGACAGAGTTTGTATGTGGAGCTTT. Right flanking sequence: AGAATTAAAAAATAAAAAATAACCAGATA. 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:WBStrain00051349

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** unknown

**Organism Name:** R53.4(gk5745[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ II.

**Record Creation Time:** 20230227T013847+0000

**Record Last Update:** 20260815T163740+0000

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## Ratings and Alerts

No rating or validation information has been found for R53.4(gk5745[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ II..

No alerts have been found for R53.4(gk5745[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ II..

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.