

Resource Summary Report

Generated by [dkNET](#) on Aug 29, 2026

cyp-42A1(ve785[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V.

RRID:WB-STRAIN:WBStrain00055434

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00055434

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00055434>

Proper Citation: RRID:WB-STRAIN:WBStrain00055434

Description: Caenorhabditis elegans with name cyp-42A1(ve785[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V. from WB.

Species: Caenorhabditis elegans

Synonyms: cyp-42A1(ve785[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V.

Notes: Homozygous Emb as unbalanced heterozygote. Deletion of 3977 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break in parental strain N2. Heterozygotes are wild-type GFP+, and segregate wild-type GFP+, dead eggs (ve785 homozygotes) and non-GFP wild-type homozygotes. Maintain by picking wild-type GFP+. Left flanking Sequence:

TTCGCATTCCGGAAAGCAAAATTCATTTAC ; Right flanking sequence:

TGGTTCCTCCACTTAATGGGAGCAAATCCA. sgRNA #1:

AACAAGCTTACGGTCTTCCA; sgRNA #2: CAACATCAGCCGCAATGAAT. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation.

Note: This allele cannot be balanced by sC4 because it is contained within a deleted region. See Maroilley et al. Sci Reports (2021)11:18258 for more details. doi.org/10.1038/s41598-021-97764-9|Made_by: RG 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:WBStrain00055434

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: cyp-42A1(ve785[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V.

Record Creation Time: 20240716T202610+0000

Record Last Update: 20260815T163845+0000

Ratings and Alerts

No rating or validation information has been found for cyp-42A1(ve785[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V..

No alerts have been found for cyp-42A1(ve785[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V..

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.