

Resource Summary Report

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gtf-2F2(ve732[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V.

RRID:WB-STRAIN:WBStrain00049469

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049469

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049469>

Proper Citation: RRID:WB-STRAIN:WBStrain00049469

Description: *Caenorhabditis elegans* with name gtf-2F2(ve732[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V. from WB.

Species: *Caenorhabditis elegans*

Synonyms: gtf-2F2(ve732[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V.

Notes: Homozygous sterile deletion as an unbalanced het. Deletion of 3148 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break in parental strain N2. Heterozygotes are wild-type dim GFP+, and segregate wild-type dim GFP+, bright GFP+adult sterile animals (ve732 homozygotes) and non-GFP wild-type homozygotes. Maintain by picking wild-type dim GFP+. Left flanking Sequence: GCAGGGACTCGGTGCAGATGCTCCAATCAA ; Right flanking sequence: tgggttatttagcccagtttctatttatt. sgRNA #3: AACTGGAAAACCTGGCAATTG; sgRNA #4: AGGCACCACAGAGACTTGTG. 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|"Homozygous sterile. Deletion of 3148 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+, GFP+adult sterile animals (ve732 homozygotes) and arrested non-GFP (stage unknown) (sC4 homozygotes). Maintain by picking wild-type GFP+. Left flanking Sequence: GCAGGGACTCGGTGCAGATGCTCCAATCAA ; Right flanking sequence: tgggttatttagcccagtttctatttatt. sgRNA #3: AACTGGAAAACCTGGCAATTG; sgRNA #4: AGGCACCACAGAGACTTGTG. Please reference Au et al., G3 9(1): 135-144 2019 in any

work resulting from use of this mutation."|"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:WBStrain00049469

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: gtf-2F2(ve732[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V.

Record Creation Time: 20230227T013833+0000

Record Last Update: 20260815T163700+0000

Ratings and Alerts

No rating or validation information has been found for gtf-2F2(ve732[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/+ V..

No alerts have been found for gtf-2F2(ve732[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.