

Resource Summary Report

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RG3039

RRID:WB-STRAIN:WBStrain00033365

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00033365>

Proper Citation: RRID:WB-STRAIN:WBStrain00033365

Description: Caenorhabditis elegans with name spe-36(ve539[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1[umnl49] IV; +/-nT1 V. from WB.

Species: Caenorhabditis elegans

Synonyms: spe-36(ve539[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/nT1[umnl49] IV; +/-nT1 V.

Notes: F40F11.4. umnl49 [myo-2p::mKate2 + NeoR, V: 1005689 (intergenic)] IV. Homozygous Ste, lays only oocytes. Deletion of 2632 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+ mKate2+, and segregate wild-type GFP+ mKate2+, Ste GFP+ non-mKate2 (ve539 homozygotes), Vul non-GFP mKate2+ (nT1 homozygotes) and dead eggs. Maintain by picking wild-type GFP+ mKate2+. Left flanking Sequence: tcacaaaaactcacAAATAACTTTGTACCG ; Right flanking sequence: ACGCAAGAGCTATGAAGAACAGAATACATA. sgRNA #1: acAAATAACTTTGTACCGGG; sgRNA #2: CTTCATAGCTCTTGCGTCAC. 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"| "Superficially wild-type. CRISPR/Cas9 deletion of F40F11.4. Insertion site verified by PCR. umnl49 [myo-2p::mKate2 + NeoR, V: 1005689 (intergenic)] IV. Heterozygotes are wild-type GFP+ mKate2+, and segregate wild-type GFP+ mKate2+, ve539 homozygotes (Ste, lays only oocytes, GFP+ mKate-), Vul nT1 homozygotes (brighter mKate2+) and dead eggs. Maintain by picking wild-type GFP+ mKate2+. myo-2p::GFP + NeoR cassette is still present but may be excised using LoxP sites. Left flanking sequence: aaaactcacAAATAACTTTGTACCG Right flanking sequence: ACGCAAGAGCTATGAAGAACAGAAT"

Affected Gene: WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)|WBGene00009589(spe-36)

Genomic Alteration: WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00009589(spe-36)

Catalog Number: WB-STRAIN:WBStrain00033365

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:RG3039, CGC_RG3039

Organism Name: RG3039

Record Creation Time: 20230227T013630+0000

Record Last Update: 20260829T162158+0000

Ratings and Alerts

No rating or validation information has been found for RG3039.

No alerts have been found for RG3039.

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.