

Resource Summary Report

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[nsun-4\(ve863\[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP\]\)/hT2 \[umnIs73\] I; +/-hT2 \[bli-4\(e937\) let-?\(h661\)\] III.](#)

RRID:WB-STRAIN:WBStrain00055506

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00055506

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00055506>

Proper Citation: RRID:WB-STRAIN:WBStrain00055506

Description: *Caenorhabditis elegans* with name nsun-4(ve863[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT2 [umnIs73] I; +/-hT2 [bli-4(e937) let-?(h661)] III. from WB.

Species: *Caenorhabditis elegans*

Synonyms: nsun-4(ve863[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT2 [umnIs73] I; +/-hT2 [bli-4(e937) let-?(h661)] III.

Notes: Made_by: RG KO Group| "umnIs73 [myo-2p::mKate2 + NeoR, III: 9421936 (intergenic)] I. Homozygous larval arrest. Deletion of 5392 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+, GFP+ non-mKate2 arrested larvae, some larva mature into sterile dumpyish adults (ve863 homozygotes), non-GFP mKate2+ arrested animals (arrest stage unknown)(hT2 homozygotes) and dead eggs (aneuploids). Pick wild-type GFP+ mKate2+ and check for correct segregation of progeny to maintain. [NOTE: Apparently the lethal mutation is closely linked but not within the balanced region of hT2. It can occasionally recombine away so that the strain will segregate Bli-4 hT2 homozygotes. (Mark Edgley)] Left flanking Sequence: AAGTATTCGGCTGGGCCTCCGCGGcgcatc; Right flanking sequence: CTAAC TTTGGACCAATGTATATTTGCAAAC. nsun-4 sgRNA #1: AATATCGATTCCGAGACAGA; nsun-4 sgRNA #2: AGGGTAGAAACGGCACGACG. 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)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)|WBGene00021476(nsun-4)

Genomic Alteration: WBGene00000254(bli-4), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00021476(nsun-4)

Catalog Number: WB-STRAIN:WBStrain00055506

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: nsun-4(ve863[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT2 [umnIs73] I; +/-hT2 [bli-4(e937) let-?(h661)] III.

Record Creation Time: 20240716T202611+0000

Record Last Update: 20260815T163846+0000

Ratings and Alerts

No rating or validation information has been found for nsun-4(ve863[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT2 [umnIs73] I; +/-hT2 [bli-4(e937) let-?(h661)] III..

No alerts have been found for nsun-4(ve863[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/hT2 [umnIs73] I; +/-hT2 [bli-4(e937) let-?(h661)] III..

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.