

# Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

## [nsun-1\(ve828\[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP\]\)/lin-42\(tmIs1226\) II.](#)

RRID:WB-STRAIN:WBStrain00055474

Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00055474

### Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00055474>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00055474

**Description:** Caenorhabditis elegans with name nsun-1(ve828[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/lin-42(tmIs1226) II. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** nsun-1(ve828[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/lin-42(tmIs1226) II.

**Notes:** Made\_by: RG KO Group|tmIs1266 [myo-2p::mCherry, II: lin-42] II. Homozygous larval arrest. Deletion of 1509 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+ mCherry+, and segregate wild-type GFP+ mCherry+, GFP+ arrested larvae (ve828 homozygotes) and mCherry+ animals [lin-42(tmIs1226) homozygotes]. Maintain by picking wild-type GFP+ mCherry+. Note from parent strain FX30266: Egl phenotype of lin-42 is not detectable. Left flanking Sequence: CAAAAACTGATTTTTCTGAAATCTAGTCCG; Right flanking sequence: GAGTACACGAGATATCCTGGAAAATTAGAT. nsun-1 sgRNA #1: ATGACGGTTTCAATACGGTA; nsun-1 sgRNA #2: CACGTGCTCTGTACTCGTCG. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

**Affected Gene:** WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)|WBGene00018572(lin-42)|WBGene00021073(nsun-1)

**Genomic Alteration:** WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00018572(lin-42), WBGene00021073(nsun-1)

**Catalog Number:** WB-STRAIN:WBStrain00055474

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** unknown

**Organism Name:** nsun-1(ve828[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/lin-42(tmIs1226) II.

**Record Creation Time:** 20240716T202610+0000

**Record Last Update:** 20260725T172825+0000

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## Ratings and Alerts

No rating or validation information has been found for nsun-1(ve828[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/lin-42(tmIs1226) II..

No alerts have been found for nsun-1(ve828[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/lin-42(tmIs1226) 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.