

# Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

[phf-5\(ve841\[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP\]\)/sC1\(s2023\) \[dpy-1\(s2170\) umnIs41\] II.](#)

RRID:WB-STRAIN:WBStrain00055484

Type: Organism

## Proper Citation

RRID:WB-STRAIN:WBStrain00055484

## Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00055484>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00055484

**Description:** Caenorhabditis elegans with name phf-5(ve841[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** phf-5(ve841[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II.

**Notes:** Made\_by: RG KO Group|"umnIs41 [myo-2p::mKate2 + NeoR, III: 518034 (intergenic)] III. Late larval arrest. Deletion of 2354 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 (ve841 homozygotes), Dpy non-GFP mKate2+ (sC1 homozygotes). Maintain by picking wild-type GFP+ mKate2+. Left flanking Sequence: TGTGTGATTTGTGATTCACATGTTCGTCCA; Right flanking sequence: AGGATCGTGACGGATGCCCCGAAAATTGTGA. phf-5 sgRNA #3: CAGATACGAACCAATGTACA; phf-5 sgRNA #4: AGAATGCACAATTCTCGAAA. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

**Affected Gene:** WBGene00001063(dpy-1)|WBGene00003514(myo-2)|WBGene00004016(phf-5)|WBGene00004496(rps-27)|WBGene00006789(unc-54)

**Genomic Alteration:** WBGene00001063(dpy-1), WBGene00003514(myo-2), WBGene00004016(phf-5), WBGene00004496(rps-27), WBGene00006789(unc-54)

**Catalog Number:** WB-STRAIN:WBStrain00055484

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** unknown

**Organism Name:** phf-5(ve841[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/sC1(s2023) [dpy-1(s2170) umnIs41] 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 phf-5(ve841[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II..

No alerts have been found for phf-5(ve841[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/sC1(s2023) [dpy-1(s2170) umnIs41] 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.