

Resource Summary Report

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[xpd-1\(ve842\[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP\]\)/sC1\(s2023\) \[dpy-1\(s2170\) umnIs41\] II.](#)

RRID:WB-STRAIN:WBStrain00055485

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00055485

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00055485>

Proper Citation: RRID:WB-STRAIN:WBStrain00055485

Description: Caenorhabditis elegans with name xpd-1(ve842[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: xpd-1(ve842[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 11823 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 (ve842 homozygotes), Dpy non-GFP mKate2+ (sC1 homozygotes). Maintain by picking wild-type GFP+ mKate2+. [NOTE: xpd-1 is located near the end of the region of LG III balanced by sC1, thus not known if truly balanced by sC1.] Left flanking Sequence: CCGGATAAGCTTGATAAGCTTGTCTATTGT; Right flanking sequence: AGTTATTACGCTATCATGTCATGATGCTTC. xpd-1 sgRNA #1: TCCAGAACTATTCCAGGTAG; xpd-1 sgRNA #2: GCCAGTTGACTACCATCCTG. 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)|WBGene00004496(rps-27)|WBGene00006789(unc-54)|WBGene00021752(xpd-1)

Genomic Alteration: WBGene00001063(dpy-1), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00021752(xpd-1)

Catalog Number: WB-STRAIN:WBStrain00055485

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: xpd-1(ve842[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: 20260815T163846+0000

Ratings and Alerts

No rating or validation information has been found for xpd-1(ve842[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 xpd-1(ve842[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/sC1(s2023) [dpy-1(s2170) umnIs41] II..

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.