

Resource Summary Report

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[sap-49\(gk5542\[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP\]\)/mnC1 \[dpy-10\(e128\) unc-52\(e444\) umnIs37\] II.](#)

RRID:WB-STRAIN:WBStrain00051905

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00051905

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00051905>

Proper Citation: RRID:WB-STRAIN:WBStrain00051905

Description: Caenorhabditis elegans with name sap-49(gk5542[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/mnC1 [dpy-10(e128) unc-52(e444) umnIs37] II. from WB.

Species: Caenorhabditis elegans

Synonyms: sap-49(gk5542[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/mnC1 [dpy-10(e128) unc-52(e444) umnIs37] II.

Notes: Made_by: Morgan Zaic|"umnIs37 [myo-2p::mKate2 + NeoR, II: 11755713 (intergenic)] II. Pick viable fertile GFP+ and mKate2+ animals to maintain. Apparent homozygous lethal or sterile deletion balanced over mKate2 tagged mnC1. Heterozygotes are wild-type GFP+ mKate2+, and segregate wild-type GFP+ mKate2+, GFP+ non-mKate2 (gk5542 homozygotes), and paralysed DpyUnc mKate2+ (mnC1). Derived from parental strains VC4469 and CGC48. gk5542 is a 1365 bp deletion with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Left flanking sequence: GGTGACTAATTAGTTTTGGTGTGTCCTCCG. Right flanking sequence: GACGTTCCCGAATCAACATCTCTCATGATT. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

Affected Gene: WBGene00001072(dpy-10)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00004723(sap-49)|WBGene00006787(unc-52)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00001072(dpy-10), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00004723(sap-49), WBGene00006787(unc-52),

WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00051905

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: sap-49(gk5542[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/mnC1 [dpy-10(e128) unc-52(e444) umnIs37] II..

Record Creation Time: 20230227T013850+0000

Record Last Update: 20260808T171843+0000

Ratings and Alerts

No rating or validation information has been found for sap-49(gk5542[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/mnC1 [dpy-10(e128) unc-52(e444) umnIs37] II..

No alerts have been found for sap-49(gk5542[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/mnC1 [dpy-10(e128) unc-52(e444) umnIs37] 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.