

Resource Summary Report

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VC4098

RRID:WB-STRAIN:WBStrain00037915

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00037915

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00037915>

Proper Citation: RRID:WB-STRAIN:WBStrain00037915

Description: *Caenorhabditis elegans* with name hrpk-1(gk5045[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/tmC18 [dpy-5(tmIs1236)] I. from WB.

Species: *Caenorhabditis elegans*

Synonyms: hrpk-1(gk5045[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/tmC18 [dpy-5(tmIs1236)] I.

Notes: Homozygous lethal deletion balanced by tmC18. Deletion of 1976 bp with Calarco/Colaiacono selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Left flanking sequence: TCAAAATGATGATCAAAGTGGGAGCCGCTA ; Right flanking sequence: GGTGGATCTGTCTAGGTTCTGGTGTTCGTA. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."Homozygous sterile deletion balanced by tmC18. Heterozygotes are wild-type with pharyngeal GFP+RFP+, and segregate GFP+RFP+ heterozygotes, GFP+ gk5045 homozygotes (most commonly sterile, but occasional animals will lay eggs that hatch, and a population of homozygotes can be maintained), and tmC18 homozygotes (Dpy-5 with myo-2 mCherry). Pick fertile wild-type GFP+RFP+ to maintain. Deletion of 1976 bp with Calarco/Colaiacono selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Left flanking sequence: TCAAAATGATGATCAAAGTGGGAGCCGCTA ; Right flanking sequence: GGTGGATCTGTCTAGGTTCTGGTGTTCGTA. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."Made_by: Vancouver KO Group"

Affected Gene: WBGene00001067(dpy-5)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)|WBGene00017816(hrpk-1)

Genomic Alteration: WBGene00001067(dpy-5), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00017816(hrpk-1)

Catalog Number: WB-STRAIN:WBStrain00037915

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:VC4098, CGC_VC4098

Organism Name: VC4098

Record Creation Time: 20230227T013704+0000

Record Last Update: 20260815T163334+0000

Ratings and Alerts

No rating or validation information has been found for VC4098.

No alerts have been found for VC4098.

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.