

Resource Summary Report

Generated by [dkNET](#) on Aug 18, 2026

[cox-18\(ve791\[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP\]\)/tmC25\[unc-5\(tm9708\)\] IV.](#)

RRID:WB-STRAIN:WBStrain00055440

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00055440

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00055440>

Proper Citation: RRID:WB-STRAIN:WBStrain00055440

Description: Caenorhabditis elegans with name cox-18(ve791[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV. from WB.

Species: Caenorhabditis elegans

Synonyms: cox-18(ve791[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV.

Notes: Homozygous Ste, Pvl. Deletion of 2404 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+, and segregate wild-type GFP+ heterozygotes, GFP+ Ste Pvl adults (ve791 homozygotes), and Unc animals (tmC25 [unc-5(tm9708)] homozygotes). Maintain by picking wild-type GFP+. Left flanking Sequence: gaaattcgaaatctacgcaaaatttcagcg ; Right flanking sequence: agggcaaaaaaaaaaattgctaagcctgag. sgRNA #1: accaaatcacgaaaactaga; sgRNA #2: tgacccaaccagtttctga. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."|Homozygous Ste, Pvl. Deletion of 2404 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+, and segregate wild-type GFP+, GFP+ Ste, Pvl adults (ve791 homozygotes) and Unc animals (tmC25 [unc-5(tm9708)] homozygotes). Maintain by picking wild-type GFP+. Left flanking Sequence: gaaattcgaaatctacgcaaaatttcagcg ; Right flanking sequence: agggcaaaaaaaaaaattgctaagcctgag. sgRNA #1: accaaatcacgaaaactaga; sgRNA #2: tgacccaaccagtttctga. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."|Made_by: RG KO Group"

Affected Gene: WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006745(unc-5)|WBGene00006789(unc-54)|WBGene00021932(cox-18)

Genomic Alteration: WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006745(unc-5), WBGene00006789(unc-54), WBGene00021932(cox-18)

Catalog Number: WB-STRAIN:WBStrain00055440

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: cox-18(ve791[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV..

Record Creation Time: 20240716T202610+0000

Record Last Update: 20260815T163845+0000

Ratings and Alerts

No rating or validation information has been found for cox-18(ve791[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV..

No alerts have been found for cox-18(ve791[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/tmC25[unc-5(tm9708)] IV..

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.