

Resource Summary Report

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

VC4164

RRID:WB-STRAIN:WBStrain00037940

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00037940

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00037940>

Proper Citation: RRID:WB-STRAIN:WBStrain00037940

Description: Caenorhabditis elegans with name mab-20(gk5250[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP]) I. from WB.

Species: Caenorhabditis elegans

Synonyms: mab-20(gk5250[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP]) I.

Notes: Homozygous viable. Deletion of 3445 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break. Left flanking sequence: ACTGAGAATTGGGAGACACCGGCTCCAGAC ; Right flanking sequence: TAA AATTAAACGTCGGATCCACAACACAAA. 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: WBGene00003111(mab-20)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00003111(mab-20), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00037940

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:VC4164, CGC_VC4164

Organism Name: VC4164

Record Creation Time: 20230227T013705+0000

Record Last Update: 20260725T172434+0000

Ratings and Alerts

No rating or validation information has been found for VC4164.

No alerts have been found for VC4164.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Ganjawala TH, et al. (2025) Vitamin B12 partially rescues embryonic cell migration defects in *Caenorhabditis elegans* ephrin mutants by improving propionic acid breakdown and one-carbon cycle metabolism. *Genetics*, 230(2).