

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 2026

SM190

RRID:WB-STRAIN:WBStrain00034104

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00034104

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00034104>

Proper Citation: RRID:WB-STRAIN:WBStrain00034104

Description: Caenorhabditis elegans with name smg-1(cc546) I; pha-4(zu225) V. from WB.

Species: Caenorhabditis elegans

Synonyms: smg-1(cc546) I; pha-4(zu225) V.

Notes: Dies at 15-20C with mostly dead embryos and a few dead larvae. Grows best at 24C. Survives at 25C, but worms look sick (often small and clear) and have very reduced brood sizes. [NOTE: The temperature-sensitive allele cc546 causes an M1957L change in SMG-1. The lesion is an atg>ttg transversion in exon 35. Flanking sequences follow with the mutation site indicated with a capital A: ttggtggtcggttacaaaacgatattcaaga tcactggcagtcagtagtAtggttgatcagtttaggactcggtgatcg acattggacaattattg The lesion is detectable via SNP-snip with the mutation causing loss of an MslI site. Primers are for a 323 bp product. Digest with MslI to 86+237 in the wild type, uncut as 323 in the mutant. DJR701(f): CAGTCGTGAGCTTTGGATGCGTGC DJR702(r): TCGGGGATACGCAGATTCTTTCCC. Pedone ... Reiner G3 (2021).] | "Made_by: Mary Ellen Domeier" | "WBStrain mapped, WBPaper00059578 added based on AFP_Strain data."

Affected Gene: WBGene00004013(pha-4)|WBGene00004879(smg-1)

Genomic Alteration: WBGene00004013(pha-4), WBGene00004879(smg-1)

Catalog Number: WB-STRAIN:WBStrain00034104

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32302543](#)

Alternate IDs: WB-STRAIN:SM190, CGC_SM190

Organism Name: SM190

Record Creation Time: 20230227T013636+0000

Record Last Update: 20260912T181704+0000

Ratings and Alerts

No rating or validation information has been found for SM190.

No alerts have been found for SM190.

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 [dkNET](#) .

Yang R, et al. (2022) NHR-80 senses the mitochondrial UPR to rewire citrate metabolism for lipid accumulation in *Caenorhabditis elegans*. Cell reports, 38(2), 110206.