

Resource Summary Report

Generated by [NIF](#) on Aug 23, 2026

PD8120

RRID:WB-STRAIN:WBStrain00030609

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00030609

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00030609>

Proper Citation: RRID:WB-STRAIN:WBStrain00030609

Description: Caenorhabditis elegans with name smg-1(cc546) I. from WB.

Species: Caenorhabditis elegans

Synonyms: smg-1(cc546) I.

Notes: Made_by: Getz and Fire|"Reference WBPaper00058995 added based on published strain data identified by Textpresso literature search."|"Supplementary_genotype smg-1(cc546)"|"Supplementary_genotype smg-1(cc546) I"|"Temperature sensitive. [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:
ttggtggtcgggtacaaaacgatattcaaga tcaactggcagtcagtagtAtggttgatcagtttaggactcggatgatcg
acatttgacaatttattg The lesion is detectable via SNP-snp with the mutation causing loss of
an MspI site. Primers are for a 323 bp product. Digest with MspI to 86+237 in the wild type,
uncut as 323 in the mutant. DJR701(f): CAGTCGTGAGCTTTGGATGCGTGCGC DJR702(r):
TCGGGGATACGCAGATTCTTTCCC. Pedone ... Reiner G3 (2021).]"|"WBStrain mapped,
WBPaper00059578 added based on AFP_Strain data."

Affected Gene: WBGene00004879(smg-1)

Genomic Alteration: WBGene00004879(smg-1)

Catalog Number: WB-STRAIN:WBStrain00030609

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:31882874](#), [PMID:32302543](#), [PMID:37728486](#), [PMID:37936921](#)

Alternate IDs: WB-STRAIN:PD8120, CGC_PD8120

Organism Name: PD8120

Record Creation Time: 20230227T013610+0000

Record Last Update: 20260815T163122+0000

Ratings and Alerts

No rating or validation information has been found for PD8120.

No alerts have been found for PD8120.

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](#) .

Raimondi S, et al. (2023) Human wild-type and D76N ??2-microglobulin variants are significant proteotoxic and metabolic stressors for transgenic C. elegans. FASEB bioAdvances, 5(11), 484.