

Resource Summary Report

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smg-4(az152) V.

RRID:WB-STRAIN:WBStrain00055592

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00055592

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00055592>

Proper Citation: RRID:WB-STRAIN:WBStrain00055592

Description: Caenorhabditis elegans with name smg-4(az152) V. from WB.

Species: Caenorhabditis elegans

Synonyms: smg-4(az152) V.

Notes: CRISPR/Cas9 engineered smg-4 null allele. smg-4(az152) allele is confirmed NMD-defective by both the presence of the protruding vulva phenotype and the accumulation of NMD-targeted isoforms. smg-4(az152) is easy to track in crosses by PCR and digestion with BstBI (see S1 text of Suzuki, et al. for sequence of allele) and essentially mimics ma116 in having a G->A mutation at the last base of intron 1. az152 also removes two bases of exon 2 and inserts 50nt in exon 2. Reference: Suzuki JMNG, et al. PLoS Genet. 2022 Feb 10;18(2):e1010028. doi: 10.1371/journal.pgen.1010028. PMID: 35143478.

Affected Gene: WBGene00004882(smg-4)

Genomic Alteration: WBGene00004882(smg-4)

Catalog Number: WB-STRAIN:WBStrain00055592

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: smg-4(az152) V.

Record Creation Time: 20240716T202611+0000

Record Last Update: 20260815T163847+0000

Ratings and Alerts

No rating or validation information has been found for smg-4(az152) V..

No alerts have been found for smg-4(az152) V..

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.