

Resource Summary Report

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unc-73(az63) dxbp-1(az52) I; smg-4(az152) V.

RRID:WB-STRAIN:WBStrain00055594

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00055594

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00055594>

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Description: Caenorhabditis elegans with name unc-73(az63) dxbp-1(az52) I; smg-4(az152) V. from WB.

Species: Caenorhabditis elegans

Synonyms: unc-73(az63) dxbp-1(az52) I; smg-4(az152) V.

Notes: az52 is a CRISPR-engineered M107I missense allele of dxbp-1. az52 has no phenotype on its own, but suppresses unc-73(e936) and unc-73(az63) by promoting use of a cryptic splice site for an intron beginning with UU. smg-4(az152) provides an NMD deficient background allowing identification of out-of-frame mis-splicing in an RNA-seq experiment. 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)|WBGene00006805(unc-73)|WBGene00013128(dxbp-1)

Genomic Alteration: WBGene00004882(smg-4), WBGene00006805(unc-73), WBGene00013128(dxbp-1)

Catalog Number: WB-STRAIN:WBStrain00055594

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: unc-73(az63) dxbp-1(az52) I; smg-4(az152) V.

Record Creation Time: 20240716T202611+0000

Record Last Update: 20260815T163848+0000

Ratings and Alerts

No rating or validation information has been found for unc-73(az63) dxbp-1(az52) I; smg-4(az152) V..

No alerts have been found for unc-73(az63) dxbp-1(az52) I; 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.