

Resource Summary Report

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

AV51

RRID:WB-STRAIN:WBStrain00000276

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00000276>

Proper Citation: RRID:WB-STRAIN:WBStrain00000276

Description: Caenorhabditis elegans with name me8 X. from WB.

Species: Caenorhabditis elegans

Synonyms: me8 X.

Notes: Homozygotes produce 10-15% XO male self progeny; nondisjunction is correlated with an increased frequency of achiasmate X chromosomes in oocyte nuclei, and an unaltered distribution of X chromosome crossovers. Heterozygotes produce 1-2% male self-progeny. Homozygotes (and XO hemizygotes) are slower growing than WT; reduced male mating efficiency. me8 disrupts the function of the cis-acting X chromosome meiotic pairing center. Molecular studies show that the me8 chromosome carries a terminal deletion that removes >70 kb from the left end of the X chromosome, including the endogenous telomere; further, a segment of chromosome V has been translocated to the left end of X, and a new telomere has been added de novo to the end of the translocated segment.

Catalog Number: WB-STRAIN:WBStrain00000276

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:8005443](#)

Alternate IDs: WB-STRAIN:AV51, CGC_AV51

Organism Name: AV51

Record Creation Time: 20230227T013220+0000

Record Last Update: 20260815T162231+0000

Ratings and Alerts

No rating or validation information has been found for AV51.

No alerts have been found for AV51.

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.