

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 11, 2026

SSM2

RRID:WB-STRAIN:WBStrain00034461

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00034461

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00034461>

Proper Citation: RRID:WB-STRAIN:WBStrain00034461

Description: *Caenorhabditis elegans* with name mre-11(iow1)/nT1[qIs51] (IV;V). from WB.

Species: *Caenorhabditis elegans*

Synonyms: mre-11(iow1)/nT1[qIs51] (IV;V).

Notes: Heterozygotes are wild-type with pharyngeal GFP signal, and segregate wild-type GFP, arrested nT1[qIs51] aneuploids, and non-GFP iow1 homozygotes (viable; see note below). Homozygous nT1[qIs51] inviable. Pick wild-type GFP and check for correct segregation of progeny to maintain. iow1 is a separation-of-function allele of mre-11. Homozygotes develop into adults wild-type in appearance, but laying dead eggs due to defects in meiotic DSB repair: mre-11(iow1) worms form meiotic DSBs but are impaired in their resection. Pick GFP+ to maintain (mre-11(iow1)/nT1[qIs51]) and GFP- to obtain homozygous mre-11(iow1) worms for analysis. Reference: Yin Y & Smolikove S. Mol Cell Biol. 2013 Jul;33(14):2732-47. doi: 10.1128/MCB.00055-13. Epub 2013 May 13. Erratum in: Mol Cell Biol. 2015 Jul;35(14):2568. PubMed PMID: 23671188; PubMed Central PMCID: PMC3700128.|"Mutagen:UV/TMP"

Affected Gene: WBGene00003405(mre-11)

Genomic Alteration: WBGene00003405(mre-11)

Catalog Number: WB-STRAIN:WBStrain00034461

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:SSM2, CGC_SSM2

Organism Name: SSM2

Record Creation Time: 20230227T013639+0000

Record Last Update: 20260808T171448+0000

Ratings and Alerts

No rating or validation information has been found for SSM2.

No alerts have been found for SSM2.

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.