

# Resource Summary Report

Generated by [NIF](#) on Aug 17, 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:** 20260815T163237+0000

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## Ratings and Alerts

No rating or validation information has been found for SSM2.

No alerts have been found for SSM2.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.