

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 16, 2026

## SS712

RRID:WB-STRAIN:WBStrain00034451

Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00034451

### Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00034451>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00034451

**Description:** Caenorhabditis elegans with name ife-1(bn127) III. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** ife-1(bn127) III.

**Notes:** Made\_by: Dunkelbarger/Strome|"Mutagen:UV/TMP"|"Temperature sensitive sterility. Should be cultured at 15C or 20C. At 25C, spermatocytes fail in cytokinesis and accumulate as multinucleate cells unable to mature to spermatids. Milder defect in oogenesis is not temperature sensitive. Oocyte production is slowed, but appear relatively normal and are fertile. Inefficient translation of several maternal mRNAs (mex-1, oma-1, pos-1, and pal-1). Eukaryotic translation initiation factor 4E (eIF4E) gene (isoform 1, germ cell specific, P granule associated; F53A2.6). Homozygous 590 bp deletion starts at nt 191 in exon 1 and extends through exon 2 and into the 3' UTR to nt 780. The deletion removes over 70% of the coding region for IFE-1, including the helices and sheets that make up the mRNA platform and a Trp residue essential for m7GTP cap binding, suggesting it is a null mutation. Deletion breakpoint determined by sequencing by SS is: aagtggcctcaacgcgttgt"

**Affected Gene:** WBGene00002059(ife-1)

**Genomic Alteration:** WBGene00002059(ife-1)

**Catalog Number:** WB-STRAIN:WBStrain00034451

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** available

**Alternate IDs:** WB-STRAIN:SS712, CGC\_SS712

**Organism Name:** SS712

**Record Creation Time:** 20230227T013638+0000

**Record Last Update:** 20260815T163238+0000

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## Ratings and Alerts

No rating or validation information has been found for SS712.

No alerts have been found for SS712.

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## Data and Source Information

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

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Tao Y, et al. (2007) A sex-ratio meiotic drive system in *Drosophila simulans*. II: an X-linked distorter. PLoS biology, 5(11), e293.

Tao Y, et al. (2007) A sex-ratio meiotic drive system in *Drosophila simulans*. I: an autosomal suppressor. PLoS biology, 5(11), e292.