Resource Summary Report

Generated by ASWG on Aug 15, 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

Ratings and Alerts

No rating or validation information has been found for SS712.

No alerts have been found for SS712.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

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.