

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 15, 2026

AV307

RRID:WB-STRAIN:WBStrain00000290

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00000290>

Proper Citation: RRID:WB-STRAIN:WBStrain00000290

Description: Caenorhabditis elegans with name syp-1(me17) V/nT1 [unc-?(n754) let-? qIs50] (IV;V). from WB.

Species: Caenorhabditis elegans

Synonyms: syp-1(me17) V/nT1 [unc-?(n754) let-? qIs50] (IV;V).

Notes: Balanced heterozygotes are GFP+ Unc and segregate GFP+ Unc (heterozygotes), non-GFP non-Unc syp-1(me17) homozygotes, and dead eggs (nT1 homozygotes). syp-1(me17) homozygotes produce 95% dead embryos and 38% males. Cytologically they lack chiasmata in diakinesis-stage oocytes, exhibit persistent polarized nuclear organization during earlier meiotic prophase, lack synaptonemal complexes, and exhibit unstable pairing of homologous chromosomes. qIs50 is an insertion of ccEx9747 with markers: myo-2::GFP expressed brightly in the pharynx throughout development, pes-10::GFP expressed in embryos, and a gut promoter (F22B7.9) driving GFP in the intestine."Supplementary_genotype syp-1(me17)/nT1g"

Affected Gene: WBGene00006375(syp-1)

Genomic Alteration: WBGene00006375(syp-1)

Catalog Number: WB-STRAIN:WBStrain00000290

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:36176234](#), [PMID:37078421](#)

Alternate IDs: WB-STRAIN:AV307, CGC_AV307

Organism Name: AV307

Record Creation Time: 20230227T013220+0000

Record Last Update: 20260815T162231+0000

Ratings and Alerts

No rating or validation information has been found for AV307.

No alerts have been found for AV307.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Almanzar DE, et al. (2023) Meiotic DNA exchanges in C. elegans are promoted by proximity to the synaptonemal complex. Life science alliance, 6(4).