

Resource Summary Report

Generated by SPARC SAWG on Aug 24, 2026

AV221

RRID:WB-STRAIN:WBStrain00000284

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00000284>

Proper Citation: RRID:WB-STRAIN:WBStrain00000284

Description: Caenorhabditis elegans with name unc-119(ed3) meT8 (III); mels4 meT8 (IV); mels1. from WB.

Species: Caenorhabditis elegans

Synonyms: unc-119(ed3) meT8 (III); mels4 meT8 (IV); mels1.

Notes: mels1 [pie-1p::GFP::lacI + unc-119(+)]. mels4 [lac-O + rol-6(su1006) + lacO] IV. Pick Rol worms to maintain. This strain throws both Rol and non-Rol worms, seemingly due to random silencing of rol-6(su1006) in the lacO array, mels4. The strain expresses GFP::LacI in the gonad and embryos that is observed as foci (of lacO target) and nuclear haze. The expression level of GFP::LacI occasionally becomes low possibly due to random silencing of mels1. If this happens, heat shock the strain at 25C for 3 days, and pick a clone that exhibits bright GFP signals. Even at the highest expression level, GFP signal is too weak to detect with a fluorescent dissection microscope, and it is necessary to use a regular compound fluorescent microscope with an oil immersion 60X or 100X objective. The NA of the objective should be higher than 1.4. Reference: Bilgir C, et al. G3 (Bethesda). 2013 Mar 11. pii: g3.112.005165v1.

Affected Gene: WBGene00006843(unc-119)

Genomic Alteration: WBGene00006843(unc-119)

Catalog Number: WB-STRAIN:WBStrain00000284

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:AV221, CGC_AV221

Organism Name: AV221

Record Creation Time: 20230227T013220+0000

Record Last Update: 20260815T162231+0000

Ratings and Alerts

No rating or validation information has been found for AV221.

No alerts have been found for AV221.

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.