

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 24, 2026

## unc-119(ox819 oxTi1126) III.

RRID:WB-STRAIN:WBStrain00051652

Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00051652

### Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00051652>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00051652

**Description:** Caenorhabditis elegans with name unc-119(ox819 oxTi1126) III. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** unc-119(ox819 oxTi1126) III.

**Notes:** oxTi1126 [mex-5p::Cas9(+smu-2 introns)::tbb-2 3'UTR + hsp-16.41p::Cre::tbb-2 3'UTR + myo-2p::2xNLS::cyOFP::let-858 3'UTR + lox2272] III. Knock-in into previously modified unc-119(ox819) endogenous locus. Cas9 insertion marked with myo-2p::cyOFP (cyan-excitable Orange Fluorescent Protein), a long-Stokes-shift fluorescent protein that is spectrally separable from common green and red fluorophores. The Cas9 transgene was optimized for germline expression by including 4 large PATC-rich introns from smu-2. Lower activity than other Cas9 strains, but useful because Cas9, Cre, and unc-119 are in a single unit. Reference: Schwartz ML, et al. High-efficiency CRISPR gene editing in C. elegans using Cas9 integrated into the genome. bioRxiv 2021.08.03.454883; doi: <https://doi.org/10.1101/2021.08.03.454883>

**Affected Gene:** WBGene00006843(unc-119)

**Genomic Alteration:** WBGene00006843(unc-119)

**Catalog Number:** WB-STRAIN:WBStrain00051652

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** unknown

**Organism Name:** unc-119(ox819 oxTi1126) III.

**Record Creation Time:** 20230227T013849+0000

**Record Last Update:** 20260815T163747+0000

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## Ratings and Alerts

No rating or validation information has been found for unc-119(ox819 oxTi1126) III..

No alerts have been found for unc-119(ox819 oxTi1126) III..

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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 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [SPARC SAWG](#) .

Bu W, et al. (2025) Rat somatic genome editing enables ER+ breast cancer modeling.  
bioRxiv : the preprint server for biology.