Resource Summary Report

Generated by NIF on Sep 7, 2026

mirSi16 II; eat-4(mir12[loxP 5'UTR] mir17[loxP intron2]) III; mirIs47.

RRID:WB-STRAIN:WBStrain00062763
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00062763

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00062763

Proper Citation: RRID:WB-STRAIN:WBStrain00062763

Description: Caenorhabditis elegans with name mirSi16 II; eat-4(mir12[loxP 5'UTR] mir17[loxP intron2]) III; mirIs47. from WB.

Species: Caenorhabditis elegans

Synonyms: mirSi16 II; eat-4(mir12[loxP 5'UTR] mir17[loxP intron2]) III; mirIs47.

Notes: mirSi16 [flp-18p::lox2272::BFP::tbb-2 3'UTR::lox2272::ChR2-HRDC::SL2::jRGECO1a::unc-54 3'UTR + Cbr-unc-119(+)] II. mirIs47 [sra-6p::TeNL + npr-9p::ChR2-HRDC::YFP::jRGECO1a + unc-119(+) + gpa:14p::CRE]. Blue fluorescence in flp-18 expressing neurons. loxP sites before first (eat-4(mir12[loxP 5'UTR])) and after second exon (eat-4(mir17[loxP intron2])) of eat-4 gene. Lite. Calcium sensitive (Kd 250 nM) teal nanolantern (TeNL) in ASH and PVQ, ChR2-HRDC::YFP and jRGECO1a expression in AIB. Conditional eat-4 KO in ASH (NOT defective) and ChR2-HRDC and jRGECO1a expression in AVA (instead of BFP). Reference: Porta-de-la-Riva M, et al. Nat Methods. 2023 May;20(5):761-769. doi: 10.1038/s41592-023-01836-9. PMID: 37024651.

Affected Gene: WBGene00001135(eat-4)

Genomic Alteration: WBGene00001135(eat-4)

Catalog Number: WB-STRAIN:WBStrain00062763

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: mirSi16 II; eat-4(mir12[loxP 5'UTR] mir17[loxP intron2]) III; mirIs47.

Record Creation Time: 20250827T213348+0000

Record Last Update: 20260905T115945+0000

Ratings and Alerts

No rating or validation information has been found for mirSi16 II; eat-4(mir12[loxP 5'UTR] mir17[loxP intron2]) III; mirIs47..

No alerts have been found for mirSi16 II; eat-4(mir12[loxP 5'UTR] mir17[loxP intron2]) III; mirIs47..

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.