

Resource Summary Report

Generated by PRECISE-TBI on Aug 29, 2026

AML1

RRID:WB-STRAIN:WBStrain00000187

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00000187>

Proper Citation: RRID:WB-STRAIN:WBStrain00000187

Description: Caenorhabditis elegans with name zfls18; zfls42. from WB.

Species: Caenorhabditis elegans

Synonyms: zfls18; zfls42.

Notes: Made_by: Frederick Shipley]"zfls18 [mec-4p::ChR2::YFP]. zfls42 [rig-3p::GCaMP3::SL2::mCherry]. Pick mCherry+ animals to maintain strong expression from zfls42. Worm expresses light-sensitive Channelrhodopsin (ChR2) and yellow fluorescent protein (YFP) in mechanosensory neurons, ALMR/L, AVM, PLML/R, and PVM. When fed all-trans retinal, blue light stimulation (473 nm at 2 mW * mm⁻²) of head induces reversals. GCaMP3 and mCherry expression in command interneurons AVA, and nearby pharyngeal neurons I1, I4, M4, NSM. Worms were made by crossing the integrated strains QW309 and QW625. Reference: Shipley FB, et al. Front Neural Circuits. 2014 Mar 24;8:28."

Catalog Number: WB-STRAIN:WBStrain00000187

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:AML1, CGC_AML1

Organism Name: AML1

Record Creation Time: 20230227T013220+0000

Record Last Update: 20260815T162230+0000

Ratings and Alerts

No rating or validation information has been found for AML1.

No alerts have been found for AML1.

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.