

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

[ser-4\(flv7\) lgc-50\(flv8\) III; mod-1\(ok103\) V; ser-7\(tm1325\) ser-1\(ok345\) X; flvIs2.](#)

RRID:WB-STRAIN:WBStrain00055579

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00055579>

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Description: Caenorhabditis elegans with name ser-4(flv7) lgc-50(flv8) III; mod-1(ok103) V; ser-7(tm1325) ser-1(ok345) X; flvIs2. from WB.

Species: Caenorhabditis elegans

Synonyms: ser-4(flv7) lgc-50(flv8) III; mod-1(ok103) V; ser-7(tm1325) ser-1(ok345) X; flvIs2.

Notes: flvIs2 [tph-1p(short)::Chrimson + elt-2p::mCherry]. Deficits in serotonin-dependent slowing response. NSM neuron is expressing Chrimson and can be specifically activated by red light. Reference: Dag U, et al. bioRxiv 2023.01.15.524132; doi: <https://doi.org/10.1101/2023.01.15.524132>; Made_by: Ugur Dag"

Affected Gene: WBGene00003386(mod-1)|WBGene00004776(ser-1)|WBGene00004779(ser-4)|WBGene00004780(ser-7)|WBGene00020605(lgc-50)

Genomic Alteration: WBGene00003386(mod-1), WBGene00004776(ser-1), WBGene00004779(ser-4), WBGene00004780(ser-7), WBGene00020605(lgc-50)

Catalog Number: WB-STRAIN:WBStrain00055579

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: ser-4(flv7) lgc-50(flv8) III; mod-1(ok103) V; ser-7(tm1325) ser-1(ok345) X; flvIs2.

Record Creation Time: 20240716T202611+0000

Record Last Update: 20260905T115811+0000

Ratings and Alerts

No rating or validation information has been found for ser-4(flv7) lgc-50(flv8) III; mod-1(ok103) V; ser-7(tm1325) ser-1(ok345) X; flvIs2..

No alerts have been found for ser-4(flv7) lgc-50(flv8) III; mod-1(ok103) V; ser-7(tm1325) ser-1(ok345) X; flvIs2..

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.