

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

JV2

RRID:WB-STRAIN:WBStrain00023445

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00023445

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00023445>

Proper Citation: RRID:WB-STRAIN:WBStrain00023445

Description: Caenorhabditis elegans with name unc-119(ed3) III; jrls2. from WB.

Species: Caenorhabditis elegans

Synonyms: unc-119(ed3) III; jrls2.

Notes: jrls2 [rpl-17p::Grx1-roGFP2 + unc-119(+)]. Stable transgene ubiquitously expressing the roGFP2 sensor under a ribosomal promoter for in vivo estimation of GSSG/2GSH ratios. Reference: Back P, et al. Free Radic Biol Med. 2012 Mar 1;52(5):850-9.|"Made_by: Back & Braeckman"

Affected Gene: WBGene00006843(unc-119)

Genomic Alteration: WBGene00006843(unc-119)

Catalog Number: WB-STRAIN:WBStrain00023445

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:38301974](#), [PMID:38669260](#)

Alternate IDs: WB-STRAIN:JV2, CGC_JV2

Organism Name: JV2

Record Creation Time: 20230227T013515+0000

Ratings and Alerts

No rating or validation information has been found for JV2.

No alerts have been found for JV2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Bresilla D, et al. (2025) Enhancing Late-Life Survival and Mobility via Mitohormesis by Reducing Mitochondrial Calcium Levels. Aging cell, 24(11), e70247.

Faroud Lopez R, et al. (2025) Lithium nickel manganese cobalt oxide particles cause developmental neurotoxicity in Caenorhabditis elegans. Environmental science. Advances, 4(11), 1767.

Markovich ZR, et al. (2022) Mild pentachlorophenol-mediated uncoupling of mitochondria depletes ATP but does not cause an oxidized redox state or dopaminergic neurodegeneration in Caenorhabditis elegans. Current research in toxicology, 3, 100084.