

Resource Summary Report

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

JJ2586

RRID:WB-STRAIN:WBStrain00022511

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00022511

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00022511>

Proper Citation: RRID:WB-STRAIN:WBStrain00022511

Description: Caenorhabditis elegans with name cox-4(zu476[cox-4::eGFP::3xFLAG]) I. from WB.

Species: Caenorhabditis elegans

Synonyms: cox-4(zu476[cox-4::eGFP::3xFLAG]) I.

Notes: cox-4(zu476[cox-4::eGFP::3xFLAG]) I. Endogenous cox-4 locus tagged with eGFP via genome editing. Mitochondria in all cell types are labeled with GFP. Reference: Raiders SA, et al. PLoS Genet. 2018 Jul 19;14(7):e1007417.|"Made_by: Michael Eastwood"|"WBStrain provided so WBPaper00061852 paper added based on AFP_Strain data."

Affected Gene: WBGene00012354(cox-4)

Genomic Alteration: WBGene00012354(cox-4)

Catalog Number: WB-STRAIN:WBStrain00022511

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:34449775](#), [PMID:34951426](#), [PMID:39260886](#)

Alternate IDs: WB-STRAIN:JJ2586, CGC_JJ2586

Organism Name: JJ2586

Record Creation Time: 20230227T013508+0000

Record Last Update: 20260829T161836+0000

Ratings and Alerts

No rating or validation information has been found for JJ2586.

No alerts have been found for JJ2586.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Beath EA, et al. (2024) Katanin, kinesin-13, and ataxin-2 inhibit premature interaction between maternal and paternal genomes in *C. elegans* zygotes. *eLife*, 13.

Cornell R, et al. (2024) Neuro-intestinal acetylcholine signalling regulates the mitochondrial stress response in *Caenorhabditis elegans*. *Nature communications*, 15(1), 6594.

Valera-Alberni M, et al. (2024) Novel imaging tools to study mitochondrial morphology in *Caenorhabditis elegans*. *Life science alliance*, 7(11).

Beath EA, et al. (2024) Katanin, kinesin-13 and ataxin-2 inhibit premature interaction between maternal and paternal genomes in *C. elegans* zygotes. *bioRxiv* : the preprint server for biology.