

Resource Summary Report

Generated by [NIF](#) on Aug 28, 2026

QV225

RRID:WB-STRAIN:WBStrain00031273

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00031273

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00031273>

Proper Citation: RRID:WB-STRAIN:WBStrain00031273

Description: Caenorhabditis elegans with name skn-1(zj15) IV. from WB.

Species: Caenorhabditis elegans

Synonyms: skn-1(zj15) IV.

Notes: Hypomorphic allele of skn-1 that may be propagated as a homozygote. High rate of embryonic lethality and slightly lower brood size compared to N2. Reference: Tang L, Dodd W, Choe K. G3 (Bethesda). 2015 Dec 29.["Reference WBPaper00059755 added based on published strain data identified by Textpresso literature search."|"Supplementary_genotype [skn-1(zj15) IV.]"]

Affected Gene: WBGene00004804(skn-1)

Genomic Alteration: WBGene00004804(skn-1)

Catalog Number: WB-STRAIN:WBStrain00031273

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32482227](#), [PMID:32535316](#), [PMID:31771413](#), [PMID:33809299](#), [PMID:36791646](#), [PMID:37704756](#), [PMID:38790689](#)

Alternate IDs: WB-STRAIN:QV225, CGC_QV225

Organism Name: QV225

Record Creation Time: 20230227T013615+0000

Record Last Update: 20260815T163134+0000

Ratings and Alerts

No rating or validation information has been found for QV225.

No alerts have been found for QV225.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Gahlot S, et al. (2025) Bacterial metabolism of tryptophan causes toxicity in *Caenorhabditis elegans* that is alleviated by sugar supplementation. *bioRxiv : the preprint server for biology*.

Das P, et al. (2025) Iron-deplete diet enhances *Caenorhabditis elegans* lifespan via oxidative stress response pathways. *The EMBO journal*, 44(24), 7565.

Das P, et al. (2025) Iron-deplete diet enhances *Caenorhabditis elegans* lifespan via oxidative stress response pathways. *bioRxiv : the preprint server for biology*.

Lee JD, et al. (2024) Sodium Benzoate Induces Fat Accumulation and Reduces Lifespan via the SKN-1/Nrf2 Signaling Pathway: Evidence from the *Caenorhabditis elegans* Model. *Nutrients*, 16(21).

Kim J, et al. (2024) A microbiota-derived metabolite, 3-phenyllactic acid, prolongs healthspan by enhancing mitochondrial function and stress resilience via SKN-1/ATFS-1 in *C. elegans*. *Nature communications*, 15(1), 10773.

Sharifi S, et al. (2024) Reducing the metabolic burden of rRNA synthesis promotes healthy longevity in *Caenorhabditis elegans*. *Nature communications*, 15(1), 1702.

Dang H, et al. (2023) On the benefits of the tryptophan metabolite 3-hydroxyanthranilic acid in *Caenorhabditis elegans* and mouse aging. *Nature communications*, 14(1), 8338.