

Resource Summary Report

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

KU4

RRID:WB-STRAIN:WBStrain00024035

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00024035

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00024035>

Proper Citation: RRID:WB-STRAIN:WBStrain00024035

Description: Caenorhabditis elegans with name sek-1(km4) X. from WB.

Species: Caenorhabditis elegans

Synonyms: sek-1(km4) X.

Notes: Egl. 2.1 kb deletion.["Made_by: Miho Tanaka-Hino"]["WBStrain mapped, WBPaper00061439 added based on AFP_Strain data."]

Affected Gene: WBGene00004758(sek-1)

Genomic Alteration: WBGene00004758(sek-1)

Catalog Number: WB-STRAIN:WBStrain00024035

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32978396](#), [PMID:33666644](#), [PMID:34038721](#), [PMID:36653384](#), [PMID:37122724](#), [PMID:37527037](#), [PMID:37310929](#), [PMID:38573858](#), [PMID:38569037](#)

Alternate IDs: WB-STRAIN:KU4, CGC_KU4

Organism Name: KU4

Record Creation Time: 20230227T013520+0000

Ratings and Alerts

No rating or validation information has been found for KU4.

No alerts have been found for KU4.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Peters L, et al. (2025) Polyketide synthase-derived sphingolipids mediate microbiota protection against a bacterial pathogen in *C. elegans*. *Nature communications*, 16(1), 5151.

Liu Y, et al. (2025) Neuronal detection triggers systemic digestive shutdown in response to adverse food sources in *Caenorhabditis elegans*. *eLife*, 14.

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*.

Rao R, et al. (2025) Inhibition of the UFD-1-NPL-4 complex triggers an aberrant immune response in *Caenorhabditis elegans*. *eLife*, 13.

Rahman SS, et al. (2025) Methionine cycle in *C. elegans* serotonergic neurons regulates diet-dependent behaviour and longevity through neuron-gut signaling. *Nature communications*, 16(1), 5118.

Rao R, et al. (2025) Inhibition of the UFD-1-NPL-4 complex triggers an aberrant immune response in *Caenorhabditis elegans*. *bioRxiv : the preprint server for biology*.

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*.

Ghosh A, et al. (2024) Translation initiation or elongation inhibition triggers contrasting effects on *Caenorhabditis elegans* survival during pathogen infection. *mBio*, 15(11), e0248524.

Pu X, et al. (2024) Lysosomal dysfunction by inactivation of V-ATPase drives innate immune response in *C. elegans*. *Cell reports*, 43(5), 114138.

Liu J, et al. (2023) GABAergic signaling between enteric neurons and intestinal smooth muscle promotes innate immunity and gut defense in *Caenorhabditis elegans*. *Immunity*, 56(7), 1515.