Resource Summary Report

Generated by ASWG on Aug 24, 2026

VC1668

RRID:WB-STRAIN:WBStrain00036780
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00036780

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00036780

Proper Citation: RRID:WB-STRAIN:WBStrain00036780

Description: Caenorhabditis elegans with name fmo-2(ok2147) IV. from WB.

Species: Caenorhabditis elegans

Synonyms: fmo-2(ok2147) IV.

Notes: K08C7.5. External left primer: TGTTCAATGATCGTACCCGA. External right primer: GTTCGAAATTGGGAAATCCA. Internal left primer: CGTGATCAGAGACGACCAAA. Internal right primer: AATGGTCGTTTTACCGCATC. Internal WT amplicon: 2216 bp. Deletion size: 1070 bp. Deletion left flank: GAGAAGAAAAAACGTTGGAAGAAATCTTTG. Deletion right flank: AACGGTGCCAGAAATGCGATTTTGACTATT. Insertion Sequence: GA.|"Made_by: Vancouver KO Group"|"Supplementary_genotype [fmo-2(ok2147)]"|"This strain was provided by the C. elegans Reverse Genetics Core Facility at the University of British Columbia, which is part of the international C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."

Affected Gene: WBGene00001477(fmo-2)

Genomic Alteration: WBGene00001477(fmo-2)

Catalog Number: WB-STRAIN:WBStrain00036780

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:37791350

Alternate IDs: WB-STRAIN:VC1668, CGC_VC1668

Organism Name: VC1668

Record Creation Time: 20230227T013656+0000

Record Last Update: 20260815T163319+0000

Ratings and Alerts

No rating or validation information has been found for VC1668.

No alerts have been found for VC1668.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Van Raamsdonk JM, et al. (2026) Mild mitochondrial impairment activates overlapping longevity pathways converging on the flavin-containing monooxygenase FMO-2. Frontiers in aging, 7, 1808540.

Van Raamsdonk JM, et al. (2026) Mild Mitochondrial Impairment Activates Overlapping Longevity Pathways Converging on the Flavin-Containing Monooxygenase FMO-2. bioRxiv : the preprint server for biology.

Choi HS, et al. (2023) FMO rewires metabolism to promote longevity through tryptophan and one carbon metabolism in C. elegans. Nature communications, 14(1), 562.

Beydoun S, et al. (2023) C22 disrupts embryogenesis and extends C. elegans lifespan. Frontiers in physiology, 14, 1241554.

Wu Z, et al. (2018) Mitochondrial unfolded protein response transcription factor ATFS-1 promotes longevity in a long-lived mitochondrial mutant through activation of stress response pathways. BMC biology, 16(1), 147.

Dinh J, et al. (2014) Cranberry extract standardized for proanthocyanidins promotes the immune response of Caenorhabditis elegans to Vibrio cholerae through the p38 MAPK pathway and HSF-1. PloS one, 9(7), e103290.