

Resource Summary Report

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ENL68

RRID:WB-STRAIN:WBStrain00007216

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00007216

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00007216>

Proper Citation: RRID:WB-STRAIN:WBStrain00007216

Description: Caenorhabditis elegans with name sma-10(ok2224) zIs356 IV. from WB.

Species: Caenorhabditis elegans

Synonyms: sma-10(ok2224) zIs356 IV.

Notes: Made_by: Encarnacin Lozano|"zIs356 [daf-16p::daf-16a/b::GFP + rol-6(su1006)]. See strain TJ356 for additional information about zIs356. Derived from RB1739 and TJ356."

Affected Gene: WBGene00020649(sma-10)

Genomic Alteration: WBGene00020649(sma-10)

Catalog Number: WB-STRAIN:WBStrain00007216

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:ENL68, CGC_ENL68

Organism Name: ENL68

Record Creation Time: 20230227T013313+0000

Record Last Update: 20260815T162430+0000

Ratings and Alerts

No rating or validation information has been found for ENL68.

No alerts have been found for ENL68.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Feng M, et al. (2025) Bacterial purine metabolism modulates *C. elegans* development and stress tolerance via DAF-16. *The FEBS journal*, 292(11), 2771.

Wang W, et al. (2021) Synthesis of Novel Pinocembrin Amino Acid Derivatives and Their Antiaging Effect on *Caenorhabditis elegans* via the Modulating DAF-16/FOXO. *Drug design, development and therapy*, 15, 4177.

Zhou L, et al. (2021) Curcumin Acetylsalicylate Extends the Lifespan of *Caenorhabditis elegans*. *Molecules (Basel, Switzerland)*, 26(21).

Jahn A, et al. (2020) Statins Induce a DAF-16/Foxo-dependent Longevity Phenotype via JNK-1 through Mevalonate Depletion in *C. elegans*. *Aging and disease*, 11(1), 60.

Sivaselvam S, et al. (2020) Engineering the surface of graphene oxide with bovine serum albumin for improved biocompatibility in *Caenorhabditis elegans*. *Nanoscale advances*, 2(11), 5219.

Mohankumar A, et al. (2020) α - and β -Santalols Delay Aging in *Caenorhabditis elegans* via Preventing Oxidative Stress and Protein Aggregation. *ACS omega*, 5(50), 32641.

Leite NR, et al. (2020) Baru Pulp (*Dipteryx alata* Vogel): Fruit from the Brazilian Savanna Protects against Oxidative Stress and Increases the Life Expectancy of *Caenorhabditis elegans* via SOD-3 and DAF-16. *Biomolecules*, 10(8).

Mi XN, et al. (2018) Methyl 3,4-Dihydroxybenzoate Enhances Resistance to Oxidative Stressors and Lifespan in *C. elegans* Partially via *daf-2/daf-16*. *International journal of molecular sciences*, 19(6).

Keshet A, et al. (2017) PMK-1 p38 MAPK promotes cadmium stress resistance, the expression of SKN-1/Nrf and DAF-16 target genes, and protein biosynthesis in *Caenorhabditis elegans*. *Molecular genetics and genomics : MGG*, 292(6), 1341.

Lezzerini M, et al. (2015) Specific RNA Interference in *Caenorhabditis elegans* by Ingested dsRNA Expressed in *Bacillus subtilis*. *PloS one*, 10(4), e0124508.

Fatima S, et al. (2014) Ida-1, the *Caenorhabditis elegans* orthologue of mammalian diabetes autoantigen IA-2, potentially acts as a common modulator between Parkinson's disease and Diabetes: role of Daf-2/Daf-16 insulin like signalling pathway. *PloS one*, 9(12), e113986.

Chen D, et al. (2014) daf-31 encodes the catalytic subunit of N alpha-acetyltransferase that regulates *Caenorhabditis elegans* development, metabolism and adult lifespan. *PLoS genetics*, 10(10), e1004699.

Chen AT, et al. (2013) Effects of *Caenorhabditis elegans* sgk-1 mutations on lifespan, stress resistance, and DAF-16/FoxO regulation. *Aging cell*, 12(5), 932.

Ródenas E, et al. (2012) Dissection of the NUP107 nuclear pore subcomplex reveals a novel interaction with spindle assembly checkpoint protein MAD1 in *Caenorhabditis elegans*. *Molecular biology of the cell*, 23(5), 930.