Resource Summary Report

Generated by NIF on Aug 27, 2026

GA646

RRID:WB-STRAIN:WBStrain00007673
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00007673

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00007673

Proper Citation: RRID:WB-STRAIN:WBStrain00007673

Description: Caenorhabditis elegans with name wuIs152 [sod-1 gDNA rol-6(su1006)]; hsf-1(sy441) I from WB.

Species: Caenorhabditis elegans

Synonyms: wuIs152 [sod-1 gDNA rol-6(su1006)]; hsf-1(sy441) I

Notes: Made by crossing GA801 with PS3551

Affected Gene: WBGene00002004(hsf-1)

Genomic Alteration: WBGene00002004(hsf-1)

Catalog Number: WB-STRAIN:WBStrain00007673

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: PMID:21839827

Alternate IDs: WB-STRAIN:GA646

Organism Name: GA646

Record Creation Time: 20230227T013317+0000

Record Last Update: 20260815T162440+0000

Ratings and Alerts

No rating or validation information has been found for GA646.

No alerts have been found for GA646.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Feng X, et al. (2023) The impact of glucose on mitochondria and life span is determined by the integrity of proline catabolism in Caenorhabditis elegans. The Journal of biological chemistry, 299(2), 102881.

Tang Z, et al. (2022) The endophytic fungus Penicillium oxalicum isolated from Ligusticum chuanxiong Hort possesses DNA damage-protecting potential and increases stress resistance properties in Caenorhabditis elegans. Frontiers in pharmacology, 13, 983716.

Midkiff DF, et al. (2022) Identifying C.??elegans lifespan mutants by screening for early-onset protein aggregation. iScience, 25(11), 105460.

Qin Y, et al. (2022) Ligusticum chuanxiong Hort as a medicinal and edible plant foods: Antioxidant, anti-aging and neuroprotective properties in Caenorhabditis elegans. Frontiers in pharmacology, 13, 1049890.

Zamberlan DC, et al. (2016) Rosmarinus officinalis L. increases Caenorhabditis elegans stress resistance and longevity in a DAF-16, HSF-1 and SKN-1-dependent manner. Brazilian journal of medical and biological research = Revista brasileira de pesquisas medicas e biologicas, 49(9), e5235.

Silva MC, et al. (2013) Neuronal reprograming of protein homeostasis by calcium-dependent regulation of the heat shock response. PLoS genetics, 9(8), e1003711.

Angeli S, et al. (2013) A DNA synthesis inhibitor is protective against proteotoxic stressors via modulation of fertility pathways in Caenorhabditis elegans. Aging, 5(10), 759.

Silva MC, et al. (2011) A genetic screening strategy identifies novel regulators of the proteostasis network. PLoS genetics, 7(12), e1002438.