

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 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 wuls152 [sod-1 gDNA rol-6(su1006)]; hsf-1(sy441) I from WB.

Species: Caenorhabditis elegans

Synonyms: wuls152 [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: 20260912T181109+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 [dkNET](#) .

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 reprogramming 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.