

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

SJ30

RRID:WB-STRAIN:WBStrain00034062

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00034062

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00034062>

Proper Citation: RRID:WB-STRAIN:WBStrain00034062

Description: Caenorhabditis elegans with name ire-1(zc14) II; zcls4 V. from WB.

Species: Caenorhabditis elegans

Synonyms: ire-1(zc14) II; zcls4 V.

Notes: zcls4 [hsp-4::GFP] V. Animals contain a missense mutation (G739R) in the kinase domain of ire-1. They are unable to induce hsp-4(BiP0 in response to tumincamycin, or heat shock.

Affected Gene: WBGene00002147(ire-1)

Genomic Alteration: WBGene00002147(ire-1)

Catalog Number: WB-STRAIN:WBStrain00034062

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:37500972](#)

Alternate IDs: WB-STRAIN:SJ30, CGC_SJ30

Organism Name: SJ30

Record Creation Time: 20230227T013636+0000

Record Last Update: 20260808T171442+0000

Ratings and Alerts

No rating or validation information has been found for SJ30.

No alerts have been found for SJ30.

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 [PRECISE-TBI](#) .

Jiang D, et al. (2024) IRE1 γ determines ferroptosis sensitivity through regulation of glutathione synthesis. Nature communications, 15(1), 4114.

Xu J, et al. (2024) The unfolded protein response of the endoplasmic reticulum protects *Caenorhabditis elegans* against DNA damage caused by stalled replication forks. G3 (Bethesda, Md.), 14(4).

Mingjie Y, et al. (2023) The RIDD activity of *C. elegans* IRE1 modifies neuroendocrine signaling in anticipation of environment stress to ensure survival. bioRxiv : the preprint server for biology.

De-Souza EA, et al. (2023) Olfactory chemosensation extends lifespan through TGF- β signaling and UPR activation. Nature aging, 3(8), 938.

Zha J, et al. (2019) HSP-4/BiP expression in secretory cells is regulated by a developmental program and not by the unfolded protein response. PLoS biology, 17(3), e3000196.

Salzberg Y, et al. (2017) Reduced Insulin/Insulin-Like Growth Factor Receptor Signaling Mitigates Defective Dendrite Morphogenesis in Mutants of the ER Stress Sensor IRE-1. PLoS genetics, 13(1), e1006579.