

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

BR2742

RRID:WB-STRAIN:WBStrain00003894

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00003894

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00003894>

Proper Citation: RRID:WB-STRAIN:WBStrain00003894

Description: Caenorhabditis elegans with name pept-1(lg601) X. from WB.

Species: Caenorhabditis elegans

Synonyms: pept-1(lg601) X.

Notes: Made_by: Elegene|"Mutagen:UV/TMP"|"Slow postembryonic development. Reduced brood size. Previously known as pep-2. [NOTE: the genotype of this strain was previously incorrectly annotated as lg1601. The correct allele name is lg601.] Reference: Meissner B, et al. J Biol Chem. 2004 Aug 27;279(35):36739-45."|"WBStrain mapped, WBPaper00060602 added based on AFP_Strain data."

Affected Gene: WBGene00003877(pept-1)

Genomic Alteration: WBGene00003877(pept-1)

Catalog Number: WB-STRAIN:WBStrain00003894

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:33157031](#), [PMID:38991033](#), [PMID:39284915](#)

Alternate IDs: WB-STRAIN:BR2742, CGC_BR2742

Organism Name: BR2742

Record Creation Time: 20230227T013248+0000

Record Last Update: 20260725T171646+0000

Ratings and Alerts

No rating or validation information has been found for BR2742.

No alerts have been found for BR2742.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Kloock A, et al. (2025) Intestinal RICT-1 regulates the larval germline progenitor pool via the vitellogenin VIT-3 in *C. elegans*. bioRxiv : the preprint server for biology.

Muhammad T, et al. (2024) Non-cell-autonomous regulation of germline proteostasis by insulin/IGF-1 signaling-induced dietary peptide uptake via PEPT-1. The EMBO journal, 43(21), 4892.

Yanagi KS, et al. (2024) Mutations in nucleotide metabolism genes bypass proteasome defects in png-1/NGLY1-deficient *Caenorhabditis elegans*. PLoS biology, 22(7), e3002720.