

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

[w\[*\]; P{w\[+mC\]=UAS-shi\[ts1\].K}3](#)

RRID:BDSC_44222

Type: Organism

Proper Citation

RRID:BDSC_44222

Organism Information

URL: <https://n2t.net/bdsc:44222>

Proper Citation: RRID:BDSC_44222

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-shi[ts1].K}3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Hugo J. Bellen, Baylor College of Medicine

Affected Gene: shi, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 44222

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_44222, BDSC:44222, BL44222

Organism Name: w[*]; P{w[+mC]=UAS-shi[ts1].K}3

Record Creation Time: 20240911T222721+0000

Record Last Update: 20260905T140554+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-shi[ts1].K}3.

No alerts have been found for w[*]; P{w[+mC]=UAS-shi[ts1].K}3.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 61 mentions in open access literature.

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

Inagaki S, et al. (2026) Endoplasmic reticulum patterns insect cuticle nanostructure. The Journal of cell biology, 225(2).

Padmanabhan A, et al. (2026) Embryonic dopaminergic neuron activity sustains lifelong locomotion in Drosophila. Cell reports, 45(7), 117524.

Henning M, et al. (2026) Inhibitory columnar feedback neurons are involved in motion processing in Drosophila. eLife, 14.

Feng KL, et al. (2026) Individualized decision-making driven by long-term memory retrieval in Drosophila. Cell reports, 45(4), 117139.

Ding G, et al. (2025) A tumor-secreted protein utilizes glucagon release to cause host wasting. Cell discovery, 11(1), 11.

Scholz-Carlson E, et al. (2025) Synaptic targets of circadian clock neurons influence core clock parameters. Science advances, 11(36), eadw4666.

Rachad EY, et al. (2025) Functional dissection of a neuronal brain circuit mediating higher-order associative learning. Cell reports, 44(5), 115593.

Karling T, et al. (2025) Immune cells adapt to confined environments in vivo to optimise nuclear plasticity for migration. EMBO reports, 26(5), 1238.

Mou Y, et al. (2025) Intermittent Vibration Induces Sleep via an Allatostatin A-GABA Signaling Pathway and Provides Broad Benefits in Alzheimer's Disease Models. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(5), e2411768.

Jin L, et al. (2025) Dietary salt induces taste desensitization via receptor internalization in Drosophila in a sexually dimorphic manner. Molecules and cells, 48(8), 100242.

Yoshino J, et al. (2025) Drosophila epidermal cells are intrinsically mechanosensitive and modulate nociceptive behavioral outputs. eLife, 13.

Sears JC, et al. (2024) Use-Dependent, Untapped Dual Kinase Signaling Localized in Brain Learning Circuitry. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(12).

Bankapalli K, et al. (2024) A *Drosophila* model for mechanistic investigation of tau protein spread. *Disease models & mechanisms*, 17(9).

Meschi E, et al. (2024) Compensatory enhancement of input maintains aversive dopaminergic reinforcement in hungry *Drosophila*. *Neuron*, 112(14), 2315.

Morón-Oset J, et al. (2023) Repeat length of C9orf72-associated glycine-alanine polypeptides affects their toxicity. *Acta neuropathologica communications*, 11(1), 140.

Petsakou A, et al. (2023) Cholinergic neurons trigger epithelial Ca²⁺ currents to heal the gut. *Nature*, 623(7985), 122.

Petsakou A, et al. (2023) Epithelial Ca²⁺ waves triggered by enteric neurons heal the gut. *bioRxiv* : the preprint server for biology.

Shen P, et al. (2023) Neural circuit mechanisms linking courtship and reward in *Drosophila* males. *Current biology* : CB, 33(10), 2034.

Suzuki M, et al. (2023) A *Drosophila* model of diabetic neuropathy reveals a role of proteasome activity in the glia. *iScience*, 26(6), 106997.

Bakopoulos D, et al. (2023) Convergent insulin and TGF- β signalling drives cancer cachexia by promoting aberrant fat body ECM accumulation in a *Drosophila* tumour model. *EMBO reports*, 24(12), e57695.