

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 24, 2026

w[*]; P{w[+mC]=UAS-syt.eGFP}2

RRID:BDSC_6925

Type: Organism

Proper Citation

RRID:BDSC_6925

Organism Information

URL: <https://n2t.net/bdsc:6925>

Proper Citation: RRID:BDSC_6925

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-syt.eGFP}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Kendal Broadie, Vanderbilt University

Affected Gene: Syt1, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 6925

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_6925, BL6925

Organism Name: w[*]; P{w[+mC]=UAS-syt.eGFP}2

Record Creation Time: 20240911T222204+0000

Record Last Update: 20260815T191255+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-syt.eGFP}2.

No alerts have been found for $w[*]$; $P\{w[+mC]=UAS-syt.eGFP\}2$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Markovitsch JW, et al. (2026) Sequential formation of Drosophila circuit asymmetry via prolonged structural plasticity. *Science advances*, 12(13), eaea6020.

Pimenov I, et al. (2026) Dopamine neuron specific RNA-sequencing reveals Neprilysin 1 acts downstream of the cohesin complex to suppress learning. *Communications biology*, 9(1).

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

Simon E, et al. (2025) Filopodia are essential for steroid release. *Nature communications*, 16(1), 5501.

Akai N, et al. (2025) JNK signaling coordinates epithelial cell turnover through exocytosis in Drosophila ribosomal protein mutants. *iScience*, 28(6), 112587.

Sun J, et al. (2024) A neurotrophin functioning with a Toll regulates structural plasticity in a dopaminergic circuit. *eLife*, 13.

Suárez Freire S, et al. (2024) The exocyst complex controls multiple events in the pathway of regulated exocytosis. *eLife*, 12.

Inami S, et al. (2024) Sleep induced by mechanosensory stimulation provides cognitive and health benefits in Drosophila. *bioRxiv : the preprint server for biology*.

Inami S, et al. (2024) Sleep induced by mechanosensory stimulation provides cognitive and health benefits in Drosophila. *Sleep*, 47(12).

Karkali K, et al. (2023) Puckered and JNK signaling in pioneer neurons coordinates the motor activity of the Drosophila embryo. *Nature communications*, 14(1), 8186.

Wan X, et al. (2023) A Neural Circuit Controlling Virgin Female Aggression Induced by Mating-related Cues in Drosophila. *Neuroscience bulletin*, 39(9), 1396.

Liao YH, et al. (2023) ARMS-NF- κ B signaling regulates intracellular ROS to induce autophagy-associated cell death upon oxidative stress. *iScience*, 26(2), 106005.

Tsarouhas V, et al. (2023) A surfactant lipid layer of endosomal membranes facilitates airway gas filling in *Drosophila*. *Current biology : CB*, 33(23), 5132.

Karkali K, et al. (2023) JNK signaling in pioneer neurons organizes ventral nerve cord architecture in *Drosophila* embryos. *Nature communications*, 14(1), 675.

Issa AR, et al. (2022) A novel post-developmental role of the Hox genes underlies normal adult behavior. *Proceedings of the National Academy of Sciences of the United States of America*, 119(49), e2209531119.

Palomino-Schätzlein M, et al. (2022) A toolbox to study metabolic status of *Drosophila melanogaster* larvae. *STAR protocols*, 3(1), 101195.

Juarez-Carreño S, et al. (2021) Body-fat sensor triggers ribosome maturation in the steroidogenic gland to initiate sexual maturation in *Drosophila*. *Cell reports*, 37(2), 109830.

Even A, et al. (2021) ATP-citrate lyase promotes axonal transport across species. *Nature communications*, 12(1), 5878.

Hsu JM, et al. (2021) Injury-Induced Inhibition of Bystander Neurons Requires dSarm and Signaling from Glia. *Neuron*, 109(3), 473.

Duhart JM, et al. (2020) Modulation of sleep-courtship balance by nutritional status in *Drosophila*. *eLife*, 9.