

# Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

[w\[\\*\]; P{w\[+mC\]=Eaat1-GAL4.R}2; l\(3\)\\*\[\\*/TM3, Sb\[1\]](#)

RRID:BDSC\_8849

Type: Organism

## Proper Citation

RRID:BDSC\_8849

## Organism Information

**URL:** <https://n2t.net/bdsc:8849>

**Proper Citation:** RRID:BDSC\_8849

**Description:** Drosophila melanogaster with name w[\*]; P{w[+mC]=Eaat1-GAL4.R}2; l(3)\*[\*/TM3, Sb[1] from BDSC.

**Species:** Drosophila melanogaster

**Notes:** Donor: Serge Birman, Aix-Marseille University, Luminy

**Affected Gene:** Eaat1, GAL4, Sb, w

**Genomic Alteration:** Chromosome 1, Chromosome 2, Chromosome 3

**Catalog Number:** 8849

**Database:** Bloomington Drosophila Stock Center (BDSC)

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC\_8849, BL8849

**Organism Name:** w[\*]; P{w[+mC]=Eaat1-GAL4.R}2; l(3)\*[\*/TM3, Sb[1]

**Record Creation Time:** 20240911T222220+0000

**Record Last Update:** 20260801T194700+0000

## Ratings and Alerts

No rating or validation information has been found for w[\*]; P{w[+mC]=Eaat1-GAL4.R}2; l(3)\*[\*/TM3, Sb[1].

No alerts have been found for w[\*]; P{w[+mC]=Eaat1-GAL4.R}2; l(3)\*[\*/TM3, Sb[1].

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Avila A, et al. (2025) A carnitine transporter at the blood-brain barrier modulates sleep via glial lipid metabolism in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, 122(4), e2421178122.

Haynes PR, et al. (2024) A neuron-glia lipid metabolic cycle couples daily sleep to mitochondrial homeostasis. *Nature neuroscience*, 27(4), 666.

Petitgas C, et al. (2024) Metabolic and neurobehavioral disturbances induced by purine recycling deficiency in Drosophila. *eLife*, 12.

Zhou D, et al. (2021) Genetic interactions regulate hypoxia tolerance conferred by activating Notch in excitatory amino acid transporter 1-positive glial cells in Drosophila melanogaster. *G3 (Bethesda, Md.)*, 11(2).

Davla S, et al. (2020) AANAT1 functions in astrocytes to regulate sleep homeostasis. *eLife*, 9.

Sherer LM, et al. (2020) Octopamine neuron dependent aggression requires dVGLUT from dual-transmitting neurons. *PLoS genetics*, 16(2), e1008609.

Girard V, et al. (2020) Spen modulates lipid droplet content in adult Drosophila glial cells and protects against paraquat toxicity. *Scientific reports*, 10(1), 20023.

Cusumano P, et al. (2019) The RNA Helicase BELLE Is Involved in Circadian Rhythmicity and in Transposons Regulation in Drosophila melanogaster. *Frontiers in physiology*, 10, 133.

Mazaud D, et al. (2019) Transcriptional Regulation of the Glutamate/GABA/Glutamine Cycle in Adult Glia Controls Motor Activity and Seizures in Drosophila. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(27), 5269.

Krzepkowski W, et al. (2018) Different Levels of Expression of the Clock Protein PER and the Glial Marker REPO in Ensheathing and Astrocyte-Like Glia of the Distal Medulla of

Drosophila Optic Lobe. *Frontiers in physiology*, 9, 361.

Deng H, et al. (2015) Signal integration by Ca(2+) regulates intestinal stem-cell activity. *Nature*, 528(7581), 212.

Hess-Homeier DL, et al. (2014) Astrocyte-specific regulation of hMeCP2 expression in *Drosophila*. *Biology open*, 3(11), 1011.