

# Resource Summary Report

Generated by [kravitz2](#) on Aug 23, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=GMR25D01-lexA}attP40](#)

RRID:BDSC\_53519

Type: Organism

## Proper Citation

RRID:BDSC\_53519

## Organism Information

**URL:** <https://n2t.net/bdsc:53519>

**Proper Citation:** RRID:BDSC\_53519

**Description:** Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=GMR25D01-lexA}attP40 from BDSC.

**Species:** Drosophila melanogaster

**Notes:** Donor: Gerald M. Rubin, Howard Hughes Medical Institute, Janelia Research Campus

**Affected Gene:** lexA::p65, tn, w

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

**Catalog Number:** 53519

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

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC\_53519, BL53519

**Organism Name:** w[1118]; P{y[+t7.7] w[+mC]=GMR25D01-lexA}attP40

**Record Creation Time:** 20240911T222816+0000

**Record Last Update:** 20260815T192039+0000

## Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=GMR25D01-lexA}attP40.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=GMR25D01-lexA}attP40.

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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 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Noyes NC, et al. (2023) Innate and learned odor-guided behaviors utilize distinct molecular signaling pathways in a shared dopaminergic circuit. Cell reports, 42(2), 112026.

Ahmed M, et al. (2023) Hacking brain development to test models of sensory coding. bioRxiv : the preprint server for biology.

Ahmed M, et al. (2023) Input density tunes Kenyon cell sensory responses in the Drosophila mushroom body. Current biology : CB, 33(13), 2742.

Lin CH, et al. (2022) Semaphorin 1a-mediated dendritic wiring of the Drosophila mushroom body extrinsic neurons. Proceedings of the National Academy of Sciences of the United States of America, 119(12), e2111283119.

Devineni AV, et al. (2021) Individual bitter-sensing neurons in Drosophila exhibit both ON and OFF responses that influence synaptic plasticity. Current biology : CB, 31(24), 5533.

Handler A, et al. (2019) Distinct Dopamine Receptor Pathways Underlie the Temporal Sensitivity of Associative Learning. Cell, 178(1), 60.

Berry JA, et al. (2018) Dopamine Neurons Mediate Learning and Forgetting through Bidirectional Modulation of a Memory Trace. Cell reports, 25(3), 651.