

Resource Summary Report

Generated by [kravitz2](#) on Aug 7, 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: 20260801T195451+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.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

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

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

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.