

Resource Summary Report

Generated by [dkNET](#) on Aug 14, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=R52H03-p65.AD}attP40;
P{y\[+t7.7\] w\[+mC\]=ple-GAL4.DBD}attP2](#)

RRID:BDSC_68329

Type: Organism

Proper Citation

RRID:BDSC_68329

Organism Information

URL: <https://n2t.net/bdsc:68329>

Proper Citation: RRID:BDSC_68329

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=R52H03-p65.AD}attP40; P{y[+t7.7] w[+mC]=ple-GAL4.DBD}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: This is Janelia line MB504B from Aso et al., 2014 [FBrf0227179]. Donor: Gerald M. Rubin, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: GAL4(DBD)::Zip-, ple, 5-HT1B, p65(AD)::Zip+, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 68329

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_68329, BL68329

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=R52H03-p65.AD}attP40; P{y[+t7.7] w[+mC]=ple-GAL4.DBD}attP2

Record Creation Time: 20240911T223038+0000

Record Last Update: 20260808T195352+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=R52H03-p65.AD}attP40; P{y[+t7.7] w[+mC]=ple-GAL4.DBD}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=R52H03-p65.AD}attP40; P{y[+t7.7] w[+mC]=ple-GAL4.DBD}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Chouhan NS, et al. (2026) A paradoxical impact of alcohol on sleep-memory coupling. *Current biology : CB*, 36(15), 3921.

Wu H, et al. (2026) Profiling presynaptic scaffolds using split-GFP reconstitution reveals cell-type-specific spatial configurations in the fly brain. *eLife*, 14.

Sato T, et al. (2026) Role of dopamine signaling in male courtship suppression induced by confinement stress in *Drosophila*. *iScience*, 29(6), 115906.

Hiramatsu S, et al. (2025) Synaptic enrichment and dynamic regulation of the two opposing dopamine receptors within the same neurons. *eLife*, 13.

Ullah H, et al. (2025) A distinct neural ensemble to integrate contradictory information and form long-term memory in *Drosophila*. *Science advances*, 11(33), eadv2441.

Rozenfeld E, et al. (2024) Neuronal circuit mechanisms of competitive interaction between action-based and coincidence learning. *Science advances*, 10(49), eadq3016.

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

Wang CM, et al. (2023) Forgotten memory storage and retrieval in *Drosophila*. *Nature communications*, 14(1), 7153.

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

Wu MS, et al. (2023) Aversive conditioning information transmission in *Drosophila*. *Cell reports*, 42(10), 113207.

Villar ME, et al. (2022) Differential coding of absolute and relative aversive value in the *Drosophila* brain. *Current biology : CB*, 32(21), 4576.

Deere JU, et al. (2022) Taste cues elicit prolonged modulation of feeding behavior in *Drosophila*. *iScience*, 25(10), 105159.

Grover D, et al. (2022) Differential mechanisms underlie trace and delay conditioning in *Drosophila*. *Nature*, 603(7900), 302.

Chouhan NS, et al. (2021) Availability of food determines the need for sleep in memory consolidation. *Nature*, 589(7843), 582.

Jacob PF, et al. (2021) Prior experience conditionally inhibits the expression of new learning in *Drosophila*. *Current biology : CB*, 31(16), 3490.

Feng KL, et al. (2021) Neuropeptide F inhibits dopamine neuron interference of long-term memory consolidation in *Drosophila*. *iScience*, 24(12), 103506.

Zolin A, et al. (2021) Context-dependent representations of movement in *Drosophila* dopaminergic reinforcement pathways. *Nature neuroscience*, 24(11), 1555.

Sharma A, et al. (2020) Modulation of flight and feeding behaviours requires presynaptic IP3Rs in dopaminergic neurons. *eLife*, 9.

Otto N, et al. (2020) Input Connectivity Reveals Additional Heterogeneity of Dopaminergic Reinforcement in *Drosophila*. *Current biology : CB*, 30(16), 3200.

Jacob PF, et al. (2020) Spaced Training Forms Complementary Long-Term Memories of Opposite Valence in *Drosophila*. *Neuron*, 106(6), 977.