Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 12, 2025

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: 20250331T213556+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 16 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

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

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

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

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

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

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.

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

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

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

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

Felsenberg J, et al. (2018) Integration of Parallel Opposing Memories Underlies Memory Extinction. Cell, 175(3), 709.