

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 28, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=R58E02-p65.AD}attP40/CyO; P{y\[+t7.7\] w\[+mC\]=R22E04-GAL4.DBD}attP2](#)

RRID:BDSC_68303

Type: Organism

Proper Citation

RRID:BDSC_68303

Organism Information

URL: <https://n2t.net/bdsc:68303>

Proper Citation: RRID:BDSC_68303

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=R58E02-p65.AD}attP40/CyO; P{y[+t7.7] w[+mC]=R22E04-GAL4.DBD}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: This is Janelia line MB042B, from Aso et al., 2014 (<https://doi.org/10.7554/eLife.04577>). Donor: Gerald M. Rubin, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: fru, GAL4(DBD)::Zip-, DAT, p65(AD)::Zip+, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 68303

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_68303, BL68303

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=R58E02-p65.AD}attP40/CyO; P{y[+t7.7] w[+mC]=R22E04-GAL4.DBD}attP2

Record Creation Time: 20240911T223038+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=R58E02-p65.AD}attP40/CyO; P{y[+t7.7] w[+mC]=R22E04-GAL4.DBD}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=R58E02-p65.AD}attP40/CyO; P{y[+t7.7] w[+mC]=R22E04-GAL4.DBD}attP2.

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 [SPARC SAWG](#) .

Lyu C, et al. (2025) Rewiring an olfactory circuit by altering the combinatorial code of cell-surface proteins. Research square.

Lyu C, et al. (2025) Rewiring an olfactory circuit by altering the combinatorial code of cell-surface proteins. bioRxiv : the preprint server for biology.

Lozada-Perdomo FV, et al. (2025) Dual roles of Drosophila reward-encoding dopamine neurons in regulating innate and learned behaviors. iScience, 28(11), 113817.

Stickley L, et al. (2023) The utility and caveat of split-GAL4s in the study of neurodegeneration. Fly, 17(1), 2192847.

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

May CE, et al. (2020) Dietary sugar inhibits satiation by decreasing the central processing of sweet taste. eLife, 9.

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