

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 3, 2026

[w\[*\]; P{y\[+t7.7\] w\[+mC\]=LexAop-tdTomato.Myr}su\(Hw\)attP5 PBac{y\[+mDint2\] w\[+mC\]=brp\(FRT.Stop\)V5-2A-LexA-VP16}VK00018/CyO; TM2/TM6B, Tb\[1\]](#)

RRID:BDSC_56142

Type: Organism

Proper Citation

RRID:BDSC_56142

Organism Information

URL: <https://n2t.net/bdsc:56142>

Proper Citation: RRID:BDSC_56142

Description: Drosophila melanogaster with name w[*]; P{y[+t7.7] w[+mC]=LexAop-tdTomato.Myr}su(Hw)attP5 PBac{y[+mDint2] w[+mC]=brp(FRT.Stop)V5-2A-LexA-VP16}VK00018/CyO; TM2/TM6B, Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Homozygotes may be present. Donor: Yi Chen & Larry Zipursky, University of California, Los Angeles

Affected Gene: brp, FRT, lexA::VP16, Disc\RFP, lexAop, Tb, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 56142

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_56142, BL56142

Organism Name: w[*]; P{y[+t7.7] w[+mC]=LexAop-tdTomato.Myr}su(Hw)attP5 PBac{y[+mDint2] w[+mC]=brp(FRT.Stop)V5-2A-LexA-VP16}VK00018/CyO; TM2/TM6B,

Tb[1]

Record Creation Time: 20240911T222841+0000

Record Last Update: 20260801T195524+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{y[+t7.7] w[+mC]=LexAop-tdTomato.Myr}su(Hw)attP5 PBac{y[+mDint2] w[+mC]=brp(FRT.Stop)V5-2A-LexA-VP16}VK00018/CyO; TM2/TM6B, Tb[1].

No alerts have been found for w[*]; P{y[+t7.7] w[+mC]=LexAop-tdTomato.Myr}su(Hw)attP5 PBac{y[+mDint2] w[+mC]=brp(FRT.Stop)V5-2A-LexA-VP16}VK00018/CyO; TM2/TM6B, Tb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Osaka J, et al. (2024) Complex formation of immunoglobulin superfamily molecules Side-IV and Beat-IIb regulates synaptic specificity. Cell reports, 43(2), 113798.

Li J, et al. (2020) Visual Input into the Drosophila melanogaster Mushroom Body. Cell reports, 32(11), 108138.

Elkahlah NA, et al. (2020) Presynaptic developmental plasticity allows robust sparse wiring of the Drosophila mushroom body. eLife, 9.

Sullivan LF, et al. (2019) Temporal identity establishes columnar neuron morphology, connectivity, and function in a Drosophila navigation circuit. eLife, 8.

Zhou Y, et al. (2019) Mechanosensory circuits coordinate two opposing motor actions in Drosophila feeding. Science advances, 5(5), eaaw5141.

Patella P, et al. (2018) Functional Maps of Mechanosensory Features in the Drosophila Brain. Current biology : CB, 28(8), 1189.