

Resource Summary Report

Generated by SPARC SAWG on Aug 5, 2026

w[1118]; PBac{Disc\RFP[DsRed2.3xP3]=GH146-QF.P}53 P{w[+mC]=QUAS-mtdTomato-3xHA}24A

RRID:BDSC_30037

Type: Organism

Proper Citation

RRID:BDSC_30037

Organism Information

URL: <https://n2t.net/bdsc:30037>

Proper Citation: RRID:BDSC_30037

Description: Drosophila melanogaster with name w[1118]; PBac{Disc\RFP[DsRed2.3xP3]=GH146-QF.P}53 P{w[+mC]=QUAS-mtdTomato-3xHA}24A from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating TM6B, Tb[1]. Donor: Christopher Potter & Liqun Luo, Stanford University

Affected Gene: QF, Disc\RFP, QUAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 30037

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_30037, BL30037

Organism Name: w[1118]; PBac{Disc\RFP[DsRed2.3xP3]=GH146-QF.P}53 P{w[+mC]=QUAS-mtdTomato-3xHA}24A

Record Creation Time: 20240911T222510+0000

Record Last Update: 20260801T195045+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; PBac{Disc\RFP[DsRed2.3xP3]=GH146-QF.P}53 P{w[+mC]=QUAS-mtdTomato-3xHA}24A.

No alerts have been found for w[1118]; PBac{Disc\RFP[DsRed2.3xP3]=GH146-QF.P}53 P{w[+mC]=QUAS-mtdTomato-3xHA}24A.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Pu??al VM, et al. (2026) Modular presynaptic assemblages scale to postsynaptic partner number. bioRxiv : the preprint server for biology.

Manoim-Wolkovitz JE, et al. (2025) Nonlinear high-activity neuronal excitation enhances odor discrimination. Current biology : CB, 35(7), 1521.

Avishai G, et al. (2025) Differential dopaminergic modulation of the antennal lobe of Drosophila melanogaster. Communications biology, 8(1), 1555.

Thornton-Kolbe EM, et al. (2025) Spatial constraints and cell surface molecule depletion structure a randomly connected learning circuit. Current biology : CB, 35(13), 3191.

Catterson JH, et al. (2024) Drosophila appear resistant to trans-synaptic tau propagation. Brain communications, 6(4), fcae256.

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

Yang JY, et al. (2023) Restructuring of olfactory representations in the fly brain around odor relationships in natural sources. bioRxiv : the preprint server for biology.

Das Chakraborty S, et al. (2022) Higher-order olfactory neurons in the lateral horn support odor valence and odor identity coding in Drosophila. eLife, 11.

Israel S, et al. (2022) Olfactory stimuli and moonwalker SEZ neurons can drive backward locomotion in Drosophila. Current biology : CB, 32(5), 1131.

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

Kaur R, et al. (2019) Pioneer interneurons instruct bilaterality in the *Drosophila* olfactory sensory map. *Science advances*, 5(10), eaaw5537.

Mohamed AAM, et al. (2019) Odor mixtures of opposing valence unveil inter-glomerular crosstalk in the *Drosophila* antennal lobe. *Nature communications*, 10(1), 1201.

Verghese S, et al. (2018) Ionizing radiation induces stem cell-like properties in a caspase-dependent manner in *Drosophila*. *PLoS genetics*, 14(11), e1007659.