

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 26, 2025

[w\[*\]; P{w\[+mC\]=Or42b-GAL4.F}64.3](#)

RRID:BDSC_9971

Type: Organism

Proper Citation

RRID:BDSC_9971

Organism Information

URL: <https://n2t.net/bdsc:9971>

Proper Citation: RRID:BDSC_9971

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=Or42b-GAL4.F}64.3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Leslie Vosshall, Rockefeller University

Affected Gene: GAL4, Or42b, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 9971

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC:9971, BL9971

Organism Name: w[*]; P{w[+mC]=Or42b-GAL4.F}64.3

Record Creation Time: 20240911T222229+0000

Record Last Update: 20250420T054122+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=Or42b-GAL4.F}64.3.

No alerts have been found for w[*]; P{w[+mC]=Or42b-GAL4.F}64.3.

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 [FDI Lab - SciCrunch.org](#).

Tao L, et al. (2023) Sensorimotor transformation underlying odor-modulated locomotion in walking Drosophila. Nature communications, 14(1), 6818.

Sorkaç A, et al. (2022) Circuit analysis reveals a neural pathway for light avoidance in Drosophila larvae. Nature communications, 13(1), 5274.

Task D, et al. (2022) Chemoreceptor co-expression in Drosophila melanogaster olfactory neurons. eLife, 11.

He J, et al. (2022) Olfactory Senses Modulate Food Consumption and Physiology in Drosophila melanogaster. Frontiers in behavioral neuroscience, 16, 788633.

Zocchi D, et al. (2022) Parallel encoding of CO2 in attractive and aversive glomeruli by selective lateral signaling between olfactory afferents. Current biology : CB, 32(19), 4225.

Suzuki Y, et al. (2020) A Population of Interneurons Signals Changes in the Basal Concentration of Serotonin and Mediates Gain Control in the Drosophila Antennal Lobe. Current biology : CB, 30(6), 1110.

Talay M, et al. (2017) Transsynaptic Mapping of Second-Order Taste Neurons in Flies by trans-Tango. Neuron, 96(4), 783.