

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

[w\[*\]; P{w\[+mC\]=Or42b-GAL4.F}64.1](#)

RRID:BDSC_9972

Type: Organism

Proper Citation

RRID:BDSC_9972

Organism Information

URL: <https://n2t.net/bdsc:9972>

Proper Citation: RRID:BDSC_9972

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=Or42b-GAL4.F}64.1 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Leslie Vosshall, Rockefeller University

Affected Gene: GAL4, Or42b, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 9972

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_9972, BDSC:9972, BL9972

Organism Name: w[*]; P{w[+mC]=Or42b-GAL4.F}64.1

Record Creation Time: 20240911T222229+0000

Record Last Update: 20260912T203205+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=Or42b-GAL4.F}64.1.

No alerts have been found for w[*]; P{w[+mC]=Or42b-GAL4.F}64.1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Palmateer CM, et al. (2026) Investigating the fruitless-directed molecular and circuit architecture of courtship behavior in *Drosophila melanogaster*, *Drosophila simulans*, and their hybrids. *Genetics*, 233(1).

Lee JW, et al. (2025) Microbiome-emitted scents activate olfactory neuron-independent airway-gut-brain axis to promote host growth in *Drosophila*. *Nature communications*, 16(1), 2199.

McLaughlin CN, et al. (2021) Single-cell transcriptomes of developing and adult olfactory receptor neurons in *Drosophila*. *eLife*, 10.

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

Corfas RA, et al. (2019) Diverse Food-Sensing Neurons Trigger Idiothetic Local Search in *Drosophila*. *Current biology : CB*, 29(10), 1660.

Gepner R, et al. (2018) Variance adaptation in navigational decision making. *eLife*, 7.

Utashiro N, et al. (2018) Prior activity of olfactory receptor neurons is required for proper sensory processing and behavior in *Drosophila* larvae. *Scientific reports*, 8(1), 8580.

Paoli M, et al. (2017) Minute Impurities Contribute Significantly to Olfactory Receptor Ligand Studies: Tales from Testing the Vibration Theory. *eNeuro*, 4(3).

Grabe V, et al. (2015) Digital in vivo 3D atlas of the antennal lobe of *Drosophila melanogaster*. *The Journal of comparative neurology*, 523(3), 530.