

Resource Summary Report

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

w[*] P{w[+m*]=GAL4}peb

RRID:BDSC_80570

Type: Organism

Proper Citation

RRID:BDSC_80570

Organism Information

URL: <https://n2t.net/bdsc:80570>

Proper Citation: RRID:BDSC_80570

Description: Drosophila melanogaster with name w[*] P{w[+m*]=GAL4}peb from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Timothy Mosca, Thomas Jefferson University

Affected Gene: GAL4, peb, w

Genomic Alteration: Chromosome 1

Catalog Number: 80570

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_80570, BDSC:80570, BL80570

Organism Name: w[*] P{w[+m*]=GAL4}peb

Record Creation Time: 20240911T223233+0000

Record Last Update: 20260912T204522+0000

Ratings and Alerts

No rating or validation information has been found for w[*] P{w[+m*]=GAL4}peb.

No alerts have been found for w[*] P{w[+m*]=GAL4}peb.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Mermet J, et al. (2025) Multilayer regulation underlies the functional precision and evolvability of the olfactory system. bioRxiv : the preprint server for biology.

Benton R, et al. (2025) An integrated anatomical, functional and evolutionary view of the Drosophila olfactory system. EMBO reports, 26(12), 3204.

Benton R, et al. (2025) An integrated anatomical, functional and evolutionary view of the Drosophila olfactory system. bioRxiv : the preprint server for biology.

Mallick A, et al. (2024) Serotonin acts through multiple cellular targets during an olfactory critical period. bioRxiv : the preprint server for biology.

Mallick A, et al. (2024) Serotonin acts through multiple cellular targets during an olfactory critical period. iScience, 27(11), 111083.

Schoofs A, et al. (2024) Serotonergic modulation of swallowing in a complete fly vagus nerve connectome. Current biology : CB, 34(19), 4495.

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.

Mabuchi Y, et al. (2023) Visual feedback neurons fine-tune Drosophila male courtship via GABA-mediated inhibition. Current biology : CB, 33(18), 3896.

Maguire SE, et al. (2022) Odorant-receptor-mediated regulation of chemosensory gene expression in the malaria mosquito Anopheles gambiae. Cell reports, 38(10), 110494.

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.

Arguello JR, et al. (2021) Targeted molecular profiling of rare olfactory sensory neurons identifies fate, wiring, and functional determinants. eLife, 10.

Golovin RM, et al. (2021) Neuron-Specific FMRP Roles in Experience-Dependent Remodeling of Olfactory Brain Innervation during an Early-Life Critical Period. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(6), 1218.

Donnelly KM, et al. (2020) Phagocytic glia are obligatory intermediates in transmission of mutant huntingtin aggregates across neuronal synapses. eLife, 9.

Ryba AR, et al. (2020) Comparative Development of the Ant Chemosensory System. *Current biology : CB*, 30(16), 3223.

Shinoda N, et al. (2019) Dronc-independent basal executioner caspase activity sustains *Drosophila* imaginal tissue growth. *Proceedings of the National Academy of Sciences of the United States of America*, 116(41), 20539.