

Resource Summary Report

Generated by T1D on Sep 18, 2026

w[*]; P{w[+mC]=Or22a-GAL4.7.717}14.2

RRID:BDSC_9951

Type: Organism

Proper Citation

RRID:BDSC_9951

Organism Information

URL: <https://n2t.net/bdsc:9951>

Proper Citation: RRID:BDSC_9951

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=Or22a-GAL4.7.717}14.2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Leslie Vosshall, Rockefeller University

Affected Gene: GAL4, Or22a, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 9951

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_9951, BDSC:9951, BL9951

Organism Name: w[*]; P{w[+mC]=Or22a-GAL4.7.717}14.2

Record Creation Time: 20240911T222229+0000

Record Last Update: 20260912T203204+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=Or22a-GAL4.7.717}14.2.

No alerts have been found for w[*]; P{w[+mC]=Or22a-GAL4.7.717}14.2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Xiao ??? Y, et al. (2026) Intrinsic Diversity in Odor-Evoked Calcium Rises across Drosophila Olfactory Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 46(18).

Churgin MA, et al. (2025) A neural correlate of individual odor preference in Drosophila. eLife, 12.

Acharya N, et al. (2025) Type-specific molecular signaling architectures and synaptic plasticity of Drosophila olfactory sensory neurons. Frontiers in cellular neuroscience, 19, 1579821.

Dzaki N, et al. (2024) A cilia-bound unconventional secretory pathway for Drosophila odorant receptors. BMC biology, 22(1), 84.

Verschut TA, et al. (2023) Aggregation pheromones have a non-linear effect on oviposition behavior in Drosophila melanogaster. Nature communications, 14(1), 1544.

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

Vulpe A, et al. (2021) An ammonium transporter is a non-canonical olfactory receptor for ammonia. Current biology : CB, 31(15), 3382.

Grabe V, et al. (2020) Odor-Induced Multi-Level Inhibitory Maps in Drosophila. eNeuro, 7(1).

Mansourian S, et al. (2018) Wild African Drosophila melanogaster Are Seasonal Specialists on Marula Fruit. Current biology : CB, 28(24), 3960.

Tsang TK, et al. (2018) High-quality ultrastructural preservation using cryofixation for 3D electron microscopy of genetically labeled tissues. eLife, 7.

Eliason J, et al. (2018) A GAL80 Collection To Inhibit GAL4 Transgenes in *Drosophila* Olfactory Sensory Neurons. *G3* (Bethesda, Md.), 8(11), 3661.

Lee S, et al. (2017) Central peptidergic modulation of peripheral olfactory responses. *BMC biology*, 15(1), 35.

Rybak J, et al. (2016) Synaptic circuitry of identified neurons in the antennal lobe of *Drosophila melanogaster*. *The Journal of comparative neurology*, 524(9), 1920.

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.