

Resource Summary Report

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[w\[*\]; P{w\[+mC\]=Gr64f-GAL4.9.7}5/CyO; MKRS/TM2](#)

RRID:BDSC_57669

Type: Organism

Proper Citation

RRID:BDSC_57669

Organism Information

URL: <https://n2t.net/bdsc:57669>

Proper Citation: RRID:BDSC_57669

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=Gr64f-GAL4.9.7}5/CyO; MKRS/TM2 from BDSC.

Species: Drosophila melanogaster

Notes: Homozygotes present. Donor: John Carlson, Yale University

Affected Gene: GAL4, Gr64f, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 57669

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: Available

Organism Name: w[*]; P{w[+mC]=Gr64f-GAL4.9.7}5/CyO; MKRS/TM2

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=Gr64f-GAL4.9.7}5/CyO; MKRS/TM2.

No alerts have been found for w[*]; P{w[+mC]=Gr64f-GAL4.9.7}5/CyO; MKRS/TM2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Sung H, et al. (2023) Nutrigenomic regulation of sensory plasticity. eLife, 12.

Pardo-Garcia TR, et al. (2023) Food memory circuits regulate eating and energy balance. Current biology : CB, 33(2), 215.

Zhao Y, et al. (2023) Fat- and sugar-induced signals regulate sweet and fat taste perception in Drosophila. Cell reports, 42(11), 113387.

Kato A, et al. (2023) Dopaminergic neurons dynamically update sensory values during olfactory maneuver. Cell reports, 42(10), 113122.

Laturney M, et al. (2023) Mating activates neuroendocrine pathways signaling hunger in Drosophila females. eLife, 12.

Snell NJ, et al. (2022) Complex representation of taste quality by second-order gustatory neurons in Drosophila. Current biology : CB, 32(17), 3758.

Engert S, et al. (2022) Drosophila gustatory projections are segregated by taste modality and connectivity. eLife, 11.

Yang T, et al. (2021) A neural circuit integrates pharyngeal sensation to control feeding. Cell reports, 37(6), 109983.

Li Q, et al. (2021) Mechanism for food texture preference based on grittiness. Current biology : CB, 31(9), 1850.

Devineni AV, et al. (2021) Individual bitter-sensing neurons in Drosophila exhibit both ON and OFF responses that influence synaptic plasticity. Current biology : CB, 31(24), 5533.

Zhang N, et al. (2020) Spatial Comparisons of Mechanosensory Information Govern the Grooming Sequence in Drosophila. Current biology : CB, 30(6), 988.

May CE, et al. (2020) Dietary sugar inhibits satiation by decreasing the central processing of

sweet taste. eLife, 9.

Li Q, et al. (2020) Temperature and Sweet Taste Integration in *Drosophila*. Current biology : CB, 30(11), 2051.

Haberkern H, et al. (2019) Visually Guided Behavior and Optogenetically Induced Learning in Head-Fixed Flies Exploring a Virtual Landscape. Current biology : CB, 29(10), 1647.

Stern U, et al. (2019) Learning a Spatial Task by Trial and Error in *Drosophila*. Current biology : CB, 29(15), 2517.

Chen Y, et al. (2017) Ionotropic Receptors Mediate *Drosophila* Oviposition Preference through Sour Gustatory Receptor Neurons. Current biology : CB, 27(18), 2741.

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

McGinnis JP, et al. (2016) Immediate perception of a reward is distinct from the reward's long-term salience. eLife, 5.