

Resource Summary Report

Generated by T1D on Sep 18, 2026

w[*]; Tl{w[+mW.hs]=Tl}Orco[1]

RRID:BDSC_23129

Type: Organism

Proper Citation

RRID:BDSC_23129

Organism Information

URL: <https://n2t.net/bdsc:23129>

Proper Citation: RRID:BDSC_23129

Description: Drosophila melanogaster with name w[*]; Tl{w[+mW.hs]=Tl}Orco[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Leslie Vosshall, Rockefeller University

Affected Gene: Orco, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 23129

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_23129, BDSC:23129, BL23129

Organism Name: w[*]; Tl{w[+mW.hs]=Tl}Orco[1]

Record Creation Time: 20240911T222405+0000

Record Last Update: 20260912T203412+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; Tl{w[+mW.hs]=Tl}Orco[1].

No alerts have been found for w[*]; $TI\{w[+mW.hs]=TI\}$ Orco[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Mudunuri A, et al. (2026) Multimodal social context modulates larval behavior in *Drosophila*. *Science advances*, 12(5), eady0750.

Goldschmidt D, et al. (2026) Recent experience and internal state shape local search strategies in flies. *Current biology : CB*, 36(7), 1605.

Otárola-Jiménez J, et al. (2026) Fruit odors enhance attractiveness of male *Drosophila melanogaster* flies during courtship. *iScience*, 29(8), 116768.

Wu B, et al. (2025) Chemosensation drives divergent social behavior in *Drosophila*. *Communications biology*, 8(1), 1521.

Sun Y, et al. (2025) Genetic screening reveals cone cell-specific factors as common genetic targets modulating rival-induced prolonged mating in male *Drosophila melanogaster*. *G3 (Bethesda, Md.)*, 15(1).

Bragina JV, et al. (2025) Genetic Control of Social Experience-Dependent Changes in Locomotor Activity in *Drosophila melanogaster* Males. *Archives of insect biochemistry and physiology*, 118(2), e70022.

Yun M, et al. (2024) Male cuticular pheromones stimulate removal of the mating plug and promote re-mating through pC1 neurons in *Drosophila* females. *eLife*, 13.

Sadanandappa MK, et al. (2024) Parasitoid cues modulate *Drosophila* germline development and stem cell proliferation. *Cell reports*, 43(1), 113657.

Umezaki Y, et al. (2024) Taste triggers a homeostatic temperature control in hungry flies. *eLife*, 13.

Sadanandappa MK, et al. (2024) Olfactory inputs regulate *Drosophila melanogaster* oogenesis. *The Journal of experimental biology*, 227(24).

Jeong J, et al. (2024) Drosulfakinin signaling encodes early-life memory for adaptive social plasticity. *eLife*, 13.

Lee SG, et al. (2023) Taste and pheromonal inputs govern the regulation of time investment for mating by sexual experience in male *Drosophila melanogaster*. *PLoS*

genetics, 19(5), e1010753.

Suyama R, et al. (2023) Microbes control *Drosophila* germline stem cell increase and egg maturation through hormonal pathways. *Communications biology*, 6(1), 1287.

Dey M, et al. (2023) Evolution of fatty acid taste in drosophilids. *Cell reports*, 42(10), 113297.

Ali MZ, et al. (2023) Phenylacetaldehyde induced olfactory conditioning in *Drosophila melanogaster* (Diptera: Drosophilidae) larvae. *Journal of insect science (Online)*, 23(6).

Bailly TPM, et al. (2023) Social modulation of oogenesis and egg laying in *Drosophila melanogaster*. *Current biology : CB*, 33(14), 2865.

Pang L, et al. (2022) Search performance and octopamine neuronal signaling mediate parasitoid induced changes in *Drosophila* oviposition behavior. *Nature communications*, 13(1), 4476.

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

Fowler EK, et al. (2022) Memory of social experience affects female fecundity via perception of fly deposits. *BMC biology*, 20(1), 244.

He J, et al. (2021) Cannabinoids modulate food preference and consumption in *Drosophila melanogaster*. *Scientific reports*, 11(1), 4709.