

Resource Summary Report

Generated by [Kravitz](#) on Sep 14, 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 [Kravitz](#) .

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.

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

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.

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

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

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

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

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

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

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

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.