

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

[y\[1\] w\[*\] P{y\[+t7.7\] w\[+mC\]=UAS-myrGFP.QUAS-mtdTomato-3xHA}su\(Hw\)attP8; P{y\[+t7.7\] w\[+mC\]=trans-Tango}attP40](#)

RRID:BDSC_77124

Type: Organism

Proper Citation

RRID:BDSC_77124

Organism Information

URL: <https://n2t.net/bdsc:77124>

Proper Citation: RRID:BDSC_77124

Description: Drosophila melanogaster with name y[1] w[*] P{y[+t7.7] w[+mC]=UAS-myrGFP.QUAS-mtdTomato-3xHA}su(Hw)attP8; P{y[+t7.7] w[+mC]=trans-Tango}attP40 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Mustafa Talay & Gilad Barnea, Brown University

Affected Gene: elav, Hsap\ARRB2, Hsap\GCG, nSyb, QF, UAS, Avic\GFP, Disc\RFP, QUAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 77124

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_77124, BDSC:77124, BL77124

Organism Name: y[1] w[*] P{y[+t7.7] w[+mC]=UAS-myrGFP.QUAS-mtdTomato-3xHA}su(Hw)attP8; P{y[+t7.7] w[+mC]=trans-Tango}attP40

Record Creation Time: 20240911T223159+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*] P{y[+t7.7] w[+mC]=UAS-myrGFP.QUAS-mtdTomato-3xHA}su(Hw)attP8; P{y[+t7.7] w[+mC]=trans-Tango}attP40.

No alerts have been found for y[1] w[*] P{y[+t7.7] w[+mC]=UAS-myrGFP.QUAS-mtdTomato-3xHA}su(Hw)attP8; P{y[+t7.7] w[+mC]=trans-Tango}attP40.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 51 mentions in open access literature.

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

Palmateer CM, et al. (2026) Investigating the fruitless-directed molecular and circuit architecture of courtship behavior in *Drosophila melanogaster*, *Drosophila simulans*, and their hybrids. *Genetics*, 233(1).

Markovitsch JW, et al. (2026) Sequential formation of *Drosophila* circuit asymmetry via prolonged structural plasticity. *Science advances*, 12(13), eaea6020.

Feng KL, et al. (2026) Individualized decision-making driven by long-term memory retrieval in *Drosophila*. *Cell reports*, 45(4), 117139.

Gao C, et al. (2025) Social experience shapes fighting strategies in *Drosophila*. *eLife*, 13.

Yamakoshi H, et al. (2025) Mating status-dependent dopaminergic modulation of auditory sensory neurons in *Drosophila*. *iScience*, 28(9), 113232.

Ding G, et al. (2025) A tumor-secreted protein utilizes glucagon release to cause host wasting. *Cell discovery*, 11(1), 11.

Xia Y, et al. (2025) miR-124 acts During *Drosophila* Development to Determine the Phase of Adult Circadian Behavior. *Journal of biological rhythms*, 7487304251361579.

Mollá-Albaladejo R, et al. (2025) Molecular characterization of gustatory second-order neurons reveals integrative mechanisms of gustatory and metabolic information. *eLife*, 13.

Castaneda AN, et al. (2024) Functional labeling of individualized postsynaptic neurons using optogenetics and trans-Tango in *Drosophila* (FLIPSOT). *PLoS genetics*, 20(3), e1011190.

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

Yoshinari Y, et al. (2024) A high-protein diet-responsive gut hormone regulates behavioral and metabolic optimization in *Drosophila melanogaster*. *Nature communications*, 15(1), 10819.

Zhao H, et al. (2024) A neural pathway for social modulation of spontaneous locomotor activity (SoMo-SLA) in *Drosophila*. *Proceedings of the National Academy of Sciences of the United States of America*, 121(9), e2314393121.

Ehrlich A, et al. (2024) Tango-seq: overlaying transcriptomics on connectomics to identify neurons downstream of *Drosophila* clock neurons. *bioRxiv : the preprint server for biology*.

Sun J, et al. (2024) A neurotrophin functioning with a Toll regulates structural plasticity in a dopaminergic circuit. *eLife*, 13.

Meschi E, et al. (2024) Compensatory enhancement of input maintains aversive dopaminergic reinforcement in hungry *Drosophila*. *Neuron*, 112(14), 2315.

Catterson JH, et al. (2024) *Drosophila* appear resistant to trans-synaptic tau propagation. *Brain communications*, 6(4), fcae256.

González Segarra AJ, et al. (2023) Hunger- and thirst-sensing neurons modulate a neuroendocrine network to coordinate sugar and water ingestion. *eLife*, 12.

Singh P, et al. (2023) Examining Sleep Modulation by *Drosophila* Ellipsoid Body Neurons. *eNeuro*, 10(9).

Oikawa I, et al. (2023) A descending inhibitory mechanism of nociception mediated by an evolutionarily conserved neuropeptide system in *Drosophila*. *eLife*, 12.

Majcin Dorcikova M, et al. (2023) Circadian clock disruption promotes the degeneration of dopaminergic neurons in male *Drosophila*. *Nature communications*, 14(1), 5908.