

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=phtm-GAL4.O}22](#)

RRID:BDSC_80577

Type: Organism

Proper Citation

RRID:BDSC_80577

Organism Information

URL: <https://n2t.net/bdsc:80577>

Proper Citation: RRID:BDSC_80577

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=phtm-GAL4.O}22 from BDSC.

Species: Drosophila melanogaster

Notes: This stock is Wolbachia-free per Allie Smith, 4/22/2024. Donor: Michael O'Connor, University of Minnesota

Affected Gene: GAL4, phtm, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 80577

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_80577, BDSC:80577, BL80577

Organism Name: y[1] w[*]; P{w[+mC]=phtm-GAL4.O}22

Record Creation Time: 20240911T223233+0000

Record Last Update: 20260912T204522+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=phtm-GAL4.O}22.

No alerts have been found for y[1] w[*]; P{w[+mC]=phtm-GAL4.O}22.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Kawadkar J, et al. (2026) Nup107 is a crucial regulator of torso-mediated metamorphic transition in *Drosophila melanogaster*. *eLife*, 14.

Turingan MJ, et al. (2024) Hypoxia delays steroid-induced developmental maturation in *Drosophila* by suppressing EGF signaling. *PLoS genetics*, 20(4), e1011232.

Yip C, et al. (2024) Neuronal E93 is required for adaptation to adult metabolism and behavior. *Molecular metabolism*, 84, 101939.

Ma M, et al. (2023) The fly homolog of SUPT16H, a gene associated with neurodevelopmental disorders, is required in a cell-autonomous fashion for cell survival. *Human molecular genetics*, 32(6), 984.

Inaba K, et al. (2022) Molecular action of larvicidal flavonoids on ecdysteroidogenic glutathione S-transferase Noppera-bo in *Aedes aegypti*. *BMC biology*, 20(1), 43.

Giannios P, et al. (2021) Systemic and local effect of the *Drosophila* headcase gene and its role in stress protection of Adult Progenitor Cells. *PLoS genetics*, 17(2), e1009362.

Romão D, et al. (2021) The Upd3 cytokine couples inflammation to maturation defects in *Drosophila*. *Current biology : CB*, 31(8), 1780.

Pan X, et al. (2021) Coordination among multiple receptor tyrosine kinase signals controls *Drosophila* developmental timing and body size. *Cell reports*, 36(9), 109644.

Stankovi? D, et al. (2020) A *Drosophila* model to study retinitis pigmentosa pathology associated with mutations in the core splicing factor Prp8. *Disease models & mechanisms*, 13(6).

Perry S, et al. (2020) Developmental arrest of *Drosophila* larvae elicits presynaptic depression and enables prolonged studies of neurodegeneration. *Development (Cambridge, England)*, 147(10).

Cruz J, et al. (2020) Egfr Signaling Is a Major Regulator of Ecdysone Biosynthesis in the *Drosophila* Prothoracic Gland. *Current biology* : CB, 30(8), 1547.