# Resource Summary Report

Generated by dkNET on Aug 11, 2026

## w[1118]; P{y[+t7.7] w[+mC]=GMR60D05-GAL4}attP2

RRID:BDSC_39247
Type: Organism

### Proper Citation

RRID:BDSC_39247

### Organism Information

**URL:** https://n2t.net/bdsc:39247

**Proper Citation:** RRID:BDSC_39247

**Description:** Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=GMR60D05-GAL4}attP2 from BDSC.

**Species:** Drosophila melanogaster

**Notes:** See https://bdsc.indiana.edu/stocks/gal4/gal4_janelia_info.html for important information. Donor: Gerald M. Rubin, Howard Hughes Medical Institute, Janelia Research Campus

**Affected Gene:** GAL4, MsR2, w

**Genomic Alteration:** Chromosome 1, Chromosome 3

**Catalog Number:** 39247

**Database:** Bloomington Drosophila Stock Center (BDSC)

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC_39247, BL39247

**Organism Name:** w[1118]; P{y[+t7.7] w[+mC]=GMR60D05-GAL4}attP2

**Record Creation Time:** 20240911T222637+0000

**Record Last Update:** 20260808T194855+0000

### Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=GMR60D05-GAL4}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=GMR60D05-GAL4}attP2.

## Data and Source Information

**Source:** Integrated Animals

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

## Usage and Citation Metrics

We found 19 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET .


Siliciano AF, et al. (2025) A vector-based strategy for olfactory navigation in Drosophila. bioRxiv : the preprint server for biology.

Raccuglia D, et al. (2025) Network synchrony creates neural filters promoting quiescence in Drosophila. Nature, 646(8085), 667.

Ishida IG, et al. (2025) Neuronal calcium spikes enable vector inversion in the Drosophila brain. Cell.

Plitt MH, et al. (2025) Octopamine instructs head direction plasticity. bioRxiv : the preprint server for biology.

Basnak MA, et al. (2025) Multimodal cue integration and learning in a neural representation of head direction. Nature neuroscience, 28(8), 1729.

Li X, et al. (2024) A brain-derived insulin signal encodes protein satiety for nutrient-specific feeding inhibition. Cell reports, 43(6), 114282.

Dan C, et al. (2024) A neural circuit architecture for rapid learning in goal-directed navigation. Neuron, 112(15), 2581.

Mussells Pires P, et al. (2024) Converting an allocentric goal into an egocentric steering signal. Nature, 626(8000), 808.

Tanaka R, et al. (2023) Drosophila integrates visual evidence and counterevidence in self motion estimation. bioRxiv : the preprint server for biology.

Tanaka R, et al. (2023) Neural mechanisms to incorporate visual counterevidence in self-movement estimation. Current biology : CB, 33(22), 4960.

Ishida IG, et al. (2023) Neuronal calcium spikes enable vector inversion in the Drosophila brain. bioRxiv : the preprint server for biology.

Lyu C, et al. (2022) Building an allocentric travelling direction signal via vector computation. Nature, 601(7891), 92.

Lu J, et al. (2022) Transforming representations of movement from body- to world-centric space. Nature, 601(7891), 98.

Ho MCW, et al. (2022) Sleep need-dependent changes in functional connectivity facilitate transmission of homeostatic sleep drive. Current biology : CB, 32(22), 4957.

Li Q, et al. (2021) insomniac links the development and function of a sleep-regulatory circuit. eLife, 10.

Okubo TS, et al. (2020) A Neural Network for Wind-Guided Compass Navigation. Neuron, 107(5), 924.

Turner-Evans DB, et al. (2020) The Neuroanatomical Ultrastructure and Function of a Biological Ring Attractor. Neuron, 108(1), 145.

Shiozaki HM, et al. (2020) A Multi-regional Network Encoding Heading and Steering Maneuvers in Drosophila. Neuron, 106(1), 126.

Green J, et al. (2019) A neural heading estimate is compared with an internal goal to guide oriented navigation. Nature neuroscience, 22(9), 1460.