

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

[w\[*\]; PBac{y\[+mDint2\]
w\[+mC\]=lexAop\(FRT.mCherry\)ReaChR}VK00005/TM6B,
Sb\[1\] Tb\[1\]](#)

RRID:BDSC_53745

Type: Organism

Proper Citation

RRID:BDSC_53745

Organism Information

URL: <https://n2t.net/bdsc:53745>

Proper Citation: RRID:BDSC_53745

Description: Drosophila melanogaster with name w[*]; PBac{y[+mDint2]
w[+mC]=lexAop(FRT.mCherry)ReaChR}VK00005/TM6B, Sb[1] Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: The TM6B chromosome in this stock probably carries ca[1]. Donor: David Anderson & Hidehiko Inagaki, California Institute of Technology

Affected Gene: FRT, lexAop, ReaChR, Sb, Tb, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 53745

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_53745, BL53745

Organism Name: w[*]; PBac{y[+mDint2]
w[+mC]=lexAop(FRT.mCherry)ReaChR}VK00005/TM6B, Sb[1] Tb[1]

Record Creation Time: 20240911T222818+0000

Record Last Update: 20260725T195609+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; PBac{y[+mDint2] w[+mC]=lexAop(FRT.mCherry)ReaChR}VK00005/TM6B, Sb[1] Tb[1].

No alerts have been found for w[*]; PBac{y[+mDint2] w[+mC]=lexAop(FRT.mCherry)ReaChR}VK00005/TM6B, Sb[1] Tb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Jiang R, et al. (2025) Regulation of pre-dawn arousal in Drosophila by a pair of trissinergic descending neurons of the visual and circadian networks. Current biology : CB, 35(8), 1750.

Sun L, et al. (2022) Recurrent circadian circuitry regulates central brain activity to maintain sleep. Neuron, 110(13), 2139.

O'Sullivan A, et al. (2018) Multifunctional Wing Motor Control of Song and Flight. Current biology : CB, 28(17), 2705.

Luo J, et al. (2017) TRPA1 mediates sensation of the rate of temperature change in Drosophila larvae. Nature neuroscience, 20(1), 34.