

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.