Resource Summary Report

Generated by dkNET on Sep 12, 2026

w[1118]; P{w[+mW.hs]=GawB}VGlut1[OK371], P{w[+mC]=UAS-H134R-ChR2}2, P{w[+mC]=Mhc-GFP.F4-453}2/CyO

RRID:BDSC_79600
Type: Organism

Proper Citation

RRID:BDSC_79600

Organism Information

URL: https://n2t.net/bdsc:79600

Proper Citation: RRID:BDSC_79600

Description: Drosophila melanogaster with name w[1118]; P{w[+mW.hs]=GawB}VGlut1[OK371], P{w[+mC]=UAS-H134R-ChR2}2, P{w[+mC]=Mhc-GFP.F4-453}2/CyO from BDSC.

Species: Drosophila melanogaster

Notes: Homozygotes may be present. Can be used to visualize muscle innervation. mCherry-tagged Channelrhodopsin-2 is expressed in motor neurons of the ventral ganglion. GFP is expressed in muscles. Donor: Karen Hibbard, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: GAL4, VGlut1, Avic\GFP, Mhc, ChR2(H134R), UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 79600

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_79600, BDSC:79600, BL79600

Organism Name: w[1118]; P{w[+mW.hs]=GawB}VGlut1[OK371], P{w[+mC]=UAS-H134R-ChR2}2, P{w[+mC]=Mhc-GFP.F4-453}2/CyO

Record Creation Time: 20240911T223223+0000

Record Last Update: 20260912T204509+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mW.hs]=GawB}VGlut1[OK371], P{w[+mC]=UAS-H134R-ChR2}2, P{w[+mC]=Mhc-GFP.F4-453}2/CyO.

No alerts have been found for w[1118]; P{w[+mW.hs]=GawB}VGlut1[OK371], P{w[+mC]=UAS-H134R-ChR2}2, P{w[+mC]=Mhc-GFP.F4-453}2/CyO.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Mallik B, et al. (2026) An ArfGAP-dependent signaling modulates synaptic plasticity via IP3-regulated calcium release from the endoplasmic reticulum. PLoS genetics, 22(1), e1012031.