Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 16, 2025

y[1] w[*] P{y[+t7.7] w[+mC]=20XUAS-GCaMP3}attP18

RRID:BDSC_32235
Type: Organism

Proper Citation

RRID:BDSC_32235

Organism Information

URL: https://n2t.net/bdsc:32235

Proper Citation: RRID:BDSC_32235

Description: Drosophila melanogaster with name y[1] w[*] P{y[+t7.7] w[+mC]=20XUAS-GCaMP3}attP18 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Barret Pfeiffer, Howard Hughes Medical Institute, Janelia Research Campus; Donor's Source: Julie Simpson, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: GCaMP3, UAS, w, y

Genomic Alteration: Chromosome 1

Catalog Number: 32235

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC:32235, BL32235

Organism Name: y[1] w[*] P{y[+t7.7] w[+mC]=20XUAS-GCaMP3}attP18

Record Creation Time: 20240911T222531+0000

Record Last Update: 20250331T211935+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*] P{y[+t7.7] w[+mC]=20XUAS-GCaMP3}attP18.

No alerts have been found for y[1] w[*] P{y[+t7.7] w[+mC]=20XUAS-GCaMP3}attP18.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 28 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Ma P, et al. (2024) Gut microbiota metabolite tyramine ameliorates high-fat diet-induced insulin resistance via increased Ca2+ signaling. The EMBO journal, 43(16), 3466.

Clemente GD, et al. (2023) A PI3K-calcium-Nox axis primes leukocyte Nrf2 to boost immune resilience and limit collateral damage. The Journal of cell biology, 222(6).

Destalminil-Letourneau M, et al. (2021) The vascular niche controls Drosophila hematopoiesis via fibroblast growth factor signaling. eLife, 10.

Hu Q, et al. (2020) Drosophila Plc21C is involved in calcium wave propagation during egg activation. microPublication biology, 2020.

Morris O, et al. (2020) Warburg-like Metabolic Reprogramming in Aging Intestinal Stem Cells Contributes to Tissue Hyperplasia. Cell reports, 33(8), 108423.

Weavers H, et al. (2019) Injury Activates a Dynamic Cytoprotective Network to Confer Stress Resilience and Drive Repair. Current biology : CB, 29(22), 3851.

Balcazar D, et al. (2018) SERCA is critical to control the Bowditch effect in the heart. Scientific reports, 8(1), 12447.

Zong W, et al. (2018) Prd1 associates with the clathrin adaptor ?-Adaptin and the kinesin-3 Imac/Unc-104 to govern dendrite pruning in Drosophila. PLoS biology, 16(8), e2004506.

Hussain A, et al. (2018) Inhibition of oxidative stress in cholinergic projection neurons fully rescues aging-associated olfactory circuit degeneration in Drosophila. eLife, 7.

Pu Y, et al. (2018) Contribution of DA Signaling to Appetitive Odor Perception in a

Drosophila Model. Scientific reports, 8(1), 5978.

Martinelli E, et al. (2017) Normalizing brain activity across individuals using functional reference mapping. Scientific reports, 7(1), 17128.

Ishikawa Y, et al. (2017) Anatomic and Physiologic Heterogeneity of Subgroup-A Auditory Sensory Neurons in Fruit Flies. Frontiers in neural circuits, 11, 46.

Bower DV, et al. (2017) SERCA directs cell migration and branching across species and germ layers. Biology open, 6(10), 1458.

McGinnis JP, et al. (2016) Immediate perception of a reward is distinct from the reward's long-term salience. eLife, 5.

Kakanj P, et al. (2016) Insulin and TOR signal in parallel through FOXO and S6K to promote epithelial wound healing. Nature communications, 7, 12972.

Kim DH, et al. (2015) Rescheduling Behavioral Subunits of a Fixed Action Pattern by Genetic Manipulation of Peptidergic Signaling. PLoS genetics, 11(9), e1005513.

Hunter MV, et al. (2015) Polarized E-cadherin endocytosis directs actomyosin remodeling during embryonic wound repair. The Journal of cell biology, 210(5), 801.

Ng WC, et al. (2015) The fatty acid elongase Bond is essential for Drosophila sex pheromone synthesis and male fertility. Nature communications, 6, 8263.

Liu WW, et al. (2015) Thermosensory processing in the Drosophila brain. Nature, 519(7543), 353.

Das G, et al. (2014) Drosophila learn opposing components of a compound food stimulus. Current biology : CB, 24(15), 1723.