

Resource Summary Report

Generated by [kravitz2](#) on Sep 6, 2026

P{ry[+t7.2]=neoFRT}42D

RRID:BDSC_1802

Type: Organism

Proper Citation

RRID:BDSC_1802

Organism Information

URL: <https://n2t.net/bdsc:1802>

Proper Citation: RRID:BDSC_1802

Description: Drosophila melanogaster with name P{ry[+t7.2]=neoFRT}42D from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating SM6a and/or ry[605]. Donor: Gerald M. Rubin & Tian Xu, University of California, Berkeley

Affected Gene: FRT

Genomic Alteration: Chromosome 2

Catalog Number: 1802

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_1802, BDSC:1802, BL1802

Organism Name: P{ry[+t7.2]=neoFRT}42D

Record Creation Time: 20240911T222129+0000

Record Last Update: 20260905T135738+0000

Ratings and Alerts

No rating or validation information has been found for P{ry[+t7.2]=neoFRT}42D.

No alerts have been found for P{ry[+t7.2]=neoFRT}42D.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 20 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Zhang Y, et al. (2026) Tumors mimic the niche to inhibit neighboring stem cell differentiation. eLife, 14.

Ziegler AB, et al. (2025) Individual lipid alterations at the origin of neuronal Ceramide Synthase defects. PLoS genetics, 21(9), e1011880.

Hull AJ, et al. (2024) Ceramide lowering rescues respiratory defects in a Drosophila model of acid sphingomyelinase deficiency. Human molecular genetics, 33(24), 2111.

Zhang F, et al. (2024) Genetic and bioinformatic analyses reveal transcriptional networks underlying dual genomic coordination of mitochondrial biogenesis. bioRxiv : the preprint server for biology.

Luedke KP, et al. (2024) Dendrite intercalation between epidermal cells tunes nociceptor sensitivity to mechanical stimuli in Drosophila larvae. PLoS genetics, 20(4), e1011237.

Zhang F, et al. (2024) A transcription network underlies the dual genomic coordination of mitochondrial biogenesis. eLife, 13.

Lou Y, et al. (2024) The FAcilitates Chromatin Transcription complex regulates the ratio of glycolysis to oxidative phosphorylation in neural stem cells. Journal of molecular cell biology, 16(4).

Mitchell KA, et al. (2024) The JNK and Hippo pathways control epithelial integrity and prevent tumor initiation by regulating an overlapping transcriptome. Current biology : CB, 34(17), 3966.

Xie Q, et al. (2022) Transcription factor Acj6 controls dendrite targeting via a combinatorial cell-surface code. Neuron, 110(14), 2299.

Lavalou J, et al. (2021) Formation of polarized contractile interfaces by self-organized Toll-8/Cir1 GPCR asymmetry. Developmental cell, 56(11), 1574.

Yang DW, et al. (2021) Suppression of Patronin deficiency by altered Hippo signaling in Drosophila organ development. Cell death and differentiation, 28(1), 233.

Martinez-Miguel VE, et al. (2021) Increased fidelity of protein synthesis extends lifespan. *Cell metabolism*, 33(11), 2288.

Recasens-Alvarez C, et al. (2021) Ribosomopathy-associated mutations cause proteotoxic stress that is alleviated by TOR inhibition. *Nature cell biology*, 23(2), 127.

Stankovi? D, et al. (2020) A *Drosophila* model to study retinitis pigmentosa pathology associated with mutations in the core splicing factor Prp8. *Disease models & mechanisms*, 13(6).

Li J, et al. (2020) Cell-Surface Proteomic Profiling in the Fly Brain Uncovers Wiring Regulators. *Cell*, 180(2), 373.

Venkatasubramanian L, et al. (2019) Stereotyped terminal axon branching of leg motor neurons mediated by IgSF proteins DIP-? and Dpr10. *eLife*, 8.

Özel MN, et al. (2019) Serial Synapse Formation through Filopodial Competition for Synaptic Seeding Factors. *Developmental cell*, 50(4), 447.

Enriquez J, et al. (2018) Differing Strategies Despite Shared Lineages of Motor Neurons and Glia to Achieve Robust Development of an Adult Neuropil in *Drosophila*. *Neuron*, 97(3), 538.

Xu C, et al. (2017) Oxidative stress induces stem cell proliferation via TRPA1/RyR-mediated Ca²⁺ signaling in the *Drosophila* midgut. *eLife*, 6.

Neukomm LJ, et al. (2017) Axon Death Pathways Converge on Axundead to Promote Functional and Structural Axon Disassembly. *Neuron*, 95(1), 78.