Resource Summary Report

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B6.FVB-Tg(Npy-hrGFP)1Lowl/J

RRID:IMSR_JAX:006417
Type: Organism

Proper Citation

RRID:IMSR_JAX:006417

Organism Information

URL: https://www.jax.org/strain/006417

Proper Citation: RRID:IMSR_JAX:006417

Description: Mus musculus with name B6.FVB-Tg(Npy-hrGFP)1Lowl/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 1; Bradford B Lowell||neuropeptide Y|transgene insertion 1; Bradford B Lowell||neuropeptide Y; mutant strain: Tg(Npy-hrGFP)1Lowl||Npy|Tg(Npy-hrGFP)1Lowl||Npy

Affected Gene: transgene insertion 1; Bradford B Lowell||neuropeptide Y|transgene insertion 1; Bradford B Lowell||neuropeptide Y

Genomic Alteration: transgene insertion 1; Bradford B Lowell

Catalog Number: JAX:006417

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:6417

Organism Name: B6.FVB-Tg(Npy-hrGFP)1Lowl/J

Record Creation Time: 20230509T193251+0000

Record Last Update: 20240104T174854+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB-Tg(Npy-hrGFP)1Lowl/J.

No alerts have been found for B6.FVB-Tg(Npy-hrGFP)1Lowl/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 55 mentions in open access literature.

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

Martinez de Morentin PB, et al. (2024) A brainstem to hypothalamic arcuate nucleus GABAergic circuit drives feeding. Current biology : CB.

Zhai S, et al. (2024) Ca2+-dependent phosphodiesterase 1 regulates the plasticity of striatal spiny projection neuron glutamatergic synapses. Cell reports, 43(8), 114540.

Leeson-Payne A, et al. (2024) Loss of GPR75 protects against non-alcoholic fatty liver disease and body fat accumulation. Cell metabolism, 36(5), 1076.

Guan D, et al. (2024) Central inhibition of HDAC6 re-sensitizes leptin signaling during obesity to induce profound weight loss. Cell metabolism, 36(4), 857.

Sayar-Atasoy N, et al. (2024) Opioidergic signaling contributes to food-mediated suppression of AgRP neurons. Cell reports, 43(1), 113630.

Hanscom M, et al. (2024) Innervation of adipocytes is limited in mouse perivascular adipose tissue. American journal of physiology. Heart and circulatory physiology, 327(1), H155.

Nong Y, et al. (2023) UBE3A and transsynaptic complex NRXN1-CBLN1-GluD1 in a hypothalamic VMHvl-arcuate feedback circuit regulates aggression. bioRxiv : the preprint server for biology.

Grzelka K, et al. (2023) A synaptic amplifier of hunger for regaining body weight in the hypothalamus. Cell metabolism, 35(5), 770.

Cai J, et al. (2023) AgRP neurons are not indispensable for body weight maintenance in

adult mice. Cell reports, 42(7), 112789.

Kondabolu K, et al. (2023) A Selective Projection from the Subthalamic Nucleus to Parvalbumin-Expressing Interneurons of the Striatum. eNeuro, 10(7).

Ousey J, et al. (2023) Gut microbiota suppress feeding induced by palatable foods. Current biology : CB, 33(1), 147.

Frank MM, et al. (2023) Experience-dependent flexibility in a molecularly diverse central-to-peripheral auditory feedback system. eLife, 12.

Reichenbach A, et al. (2022) Metabolic sensing in AgRP neurons integrates homeostatic state with dopamine signalling in the striatum. eLife, 11.

Gaziano I, et al. (2022) Dopamine-inhibited POMCDrd2+ neurons in the ARC acutely regulate feeding and body temperature. JCI insight, 7(21).

Bellusci L, et al. (2022) Interactions between Brainstem Neurons That Regulate the Motility to the Stomach. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(26), 5212.

Kocaturk S, et al. (2022) Cholinergic control of striatal GABAergic microcircuits. Cell reports, 41(4), 111531.

Farias Quipildor G, et al. (2021) Modulation of Glucose Production by Central Insulin Requires IGF-1 Receptors in AgRP Neurons. Diabetes, 70(10), 2237.

Comeras LB, et al. (2021) NPY Released From GABA Neurons of the Dentate Gyrus Specially Reduces Contextual Fear Without Affecting Cued or Trace Fear. Frontiers in synaptic neuroscience, 13, 635726.

Ibrahim LA, et al. (2021) Bottom-up inputs are required for establishment of top-down connectivity onto cortical layer 1 neurogliaform cells. Neuron, 109(21), 3473.

Yang S, et al. (2021) An mPOA-ARCAgRP pathway modulates cold-evoked eating behavior. Cell reports, 36(6), 109502.