

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

STOCK Tg(Nr5a1-cre)7Lowl/J

RRID:IMSR_JAX:012462

Type: Organism

Proper Citation

RRID:IMSR_JAX:012462

Organism Information

URL: <https://www.jax.org/strain/012462>

Proper Citation: RRID:IMSR_JAX:012462

Description: Mus musculus with name STOCK Tg(Nr5a1-cre)7Lowl/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 7; Bradford B Lowell|nuclear receptor subfamily 5; group A; member 1|; unclassified: Tg(Nr5a1-cre)7Lowl|Nr5a1|

Affected Gene: transgene insertion 7; Bradford B Lowell|nuclear receptor subfamily 5; group A; member 1|

Genomic Alteration: transgene insertion 7; Bradford B Lowell

Catalog Number: JAX:012462

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Nr5a1-cre)7Lowl/J

Record Creation Time: 20250513T053721+0000

Record Last Update: 20260808T050926+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Nr5a1-cre)7Lowl/J.

No alerts have been found for STOCK Tg(Nr5a1-cre)^{7Lowl/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Kindel M, et al. (2026) Exercise-induced activation of ventromedial hypothalamic steroidogenic factor-1 neurons mediates improvements in endurance. *Neuron*, 114(9), 1564.

Spann RA, et al. (2026) FGF21 signals through hindbrain neurons to alter food intake and energy expenditure during dietary protein restriction. *Cell reports*, 45(4), 117218.

Zha X, et al. (2025) Estrogen signaling in the ventromedial hypothalamus is required for the development of aggression circuitry in male mice. *Current biology : CB*, 35(11), 2684.

Zhang L, et al. (2025) Deficiency of neuronal LGR4 increases energy expenditure and inhibits food intake via hypothalamic leptin signaling. *EMBO reports*, 26(8), 2098.

Kohno D, et al. (2025) FTO promotes weight gain via altering Kif1a splicing and axonal vesicle trafficking in AgRP neurons. *The EMBO journal*, 44(18), 4919.

Tesmer AL, et al. (2025) Orexin population activity precisely reflects net body movement across behavioral and metabolic states. *eLife*, 14.

Gu X, et al. (2023) Testicular macrophages are recruited during a narrow fetal time window and promote organ-specific developmental functions. *Nature communications*, 14(1), 1439.

Rashid M, et al. (2023) Inhibition of high-fat diet-induced inflammatory responses in adipose tissue by SF1-expressing neurons of the ventromedial hypothalamus. *Cell reports*, 42(6), 112627.

Yoshida T, et al. (2023) VMHdm/cSF-1 neuronal circuits regulate skeletal muscle PGC1-? via the sympathoadrenal drive. *Molecular metabolism*, 77, 101792.

Li SY, et al. (2022) Perivascular cells support folliculogenesis in the developing ovary. *Proceedings of the National Academy of Sciences of the United States of America*, 119(41), e2213026119.

Abou Nader N, et al. (2022) Effect of Inactivation of Mst1 and Mst2 in the Mouse Adrenal Cortex. *Journal of the Endocrine Society*, 7(1), bvac143.

Pedroso JAB, et al. (2021) Deletion of growth hormone receptor in hypothalamic neurons affects the adaptation capacity to aerobic exercise. *Peptides*, 135, 170426.

Wang W, et al. (2021) Coordination of escape and spatial navigation circuits orchestrates versatile flight from threats. *Neuron*, 109(11), 1848.

Jensen-Cody SO, et al. (2020) FGF21 Signals to Glutamatergic Neurons in the Ventromedial Hypothalamus to Suppress Carbohydrate Intake. *Cell metabolism*, 32(2), 273.

Frantz MG, et al. (2020) Layer 4 Gates Plasticity in Visual Cortex Independent of a Canonical Microcircuit. *Current biology : CB*, 30(15), 2962.

Felsted JA, et al. (2020) Sex-specific Effects of α -MHC-1 in the Ventromedial Hypothalamus of Female Mice Controlling Glucose and Lipid Balance. *Endocrinology*, 161(7).

Ménard A, et al. (2020) Targeted Disruption of Lats1 and Lats2 in Mice Impairs Adrenal Cortex Development and Alters Adrenocortical Cell Fate. *Endocrinology*, 161(5).

Göppner C, et al. (2019) Pathogenesis of hypertension in a mouse model for human CLCN2 related hyperaldosteronism. *Nature communications*, 10(1), 4678.

Levasseur A, et al. (2017) Targeted Disruption of YAP and TAZ Impairs the Maintenance of the Adrenal Cortex. *Endocrinology*, 158(11), 3738.

Martínez-Sánchez N, et al. (2017) Hypothalamic AMPK-ER Stress-JNK1 Axis Mediates the Central Actions of Thyroid Hormones on Energy Balance. *Cell metabolism*, 26(1), 212.