C57BL/6J
RRID:IMSR_JAX:000664
Type: Organism

Proper Citation
RRID:IMSR_JAX:000664

Organism Information

URL: https://www.jax.org/strain/000664
Proper Citation: RRID:IMSR_JAX:000664
Description: Mus musculus with name C57BL/6J from IMSR.
Species: Mus musculus

Notes: gene symbol note: arylalkylamine N-acetyltransferase, aryl-hydrocarbon receptor, apolipoprotein B mRNA editing enzyme, catalytic polypeptide 3, beta-2 microglobulin, CD5 antigen, cadherin 23 (otocadherin), cytochrome c oxidase subunit 7A2 like, forebrain weight 1, forebrain weight 2, gamma-aminobutyric acid (GABA) A receptor, subunit alpha 2, glucose homeostasis QTL 1, glucose homeostasis QTL 2, glucose homeostasis QTL 3, hemoglobin beta chain complex, microwave induced increase in complement receptor B cells, MX dynamin-like GTPase 1, NLR family, pyrin domain containing 12, nicotinamide nucleotide transhydrogenase, nuclear encoded tRNA arginine 5 (anticodon TCT), purinergic receptor P2X, ligand-gated ion channel, 7; inbred strain: rs216509331 SNP allele with the A variant, b-1 variant, recovery from Friend virus 3, resistant, b variant, b variant, age related hearing loss 1, short, C57BL/6J, C57BL/6J, C57BL/6J variant, C57BL/6J, C57BL/6J, C57BL/6J, C57BL/6J, C57BL/6J, single, non-responder, myxovirus susceptibility 1, C57BL/6J, C57BL/6J, mutation 1, Jackson, rs48804829 SNP allele with the T variant

Affected Gene: Aanat, Ahr, Apobec3, B2m, Cd5, Cdh23, Cox7a2l, Fbrwt1, Fbrwt2, Gabra2, Gluchos1, Gluchos2, Gluchos3, Hbb, Micrl, Mx1, Nlrp12, Nnt, n-TRtct5, P2rx7

Genomic Alteration: rs216509331-A, b-1, Rfv3-r, b, b, ahl, s, C57BL/6J, C57BL/6J, C57BL/6J, C57BL/6J, C57BL/6J, C57BL/6J, C57BL/6J, s, n, s1, C57BL/6J, C57BL/6J, m1J, rs48804829-T
**Catalog Number:** JAX:000664

**Database:** International Mouse Resource Center IMSR, JAX Mice and Services JAX

**Database Abbreviation:** IMSR

**Availability:** live mouse

**Organism Name:** C57BL/6J

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**Ratings and Alerts**

No rating or validation information has been found for C57BL/6J.

No alerts have been found for C57BL/6J.

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**Data and Source Information**

**Source:** Integrated Animals

**Source Database:** International Mouse Resource Center IMSR, JAX Mice and Services JAX

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**Usage and Citation Metrics**

We found 2449 mentions in open access literature.

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


Sharma R, et al. (2022) Activation of dopamine D2 receptors in the medial shell region of the nucleus accumbens increases Per1 expression to enhance alcohol consumption. Addiction biology, e13133.

Kishi KE, et al. (2022) Structural basis for channel conduction in the pump-like
channelrhodopsin ChRmine. Cell.

Jessen K, et al. (2022) Comparison of prefrontal cortex sucrose seeking ensembles engaged
in multiple seeking sessions: Context is key. Journal of neuroscience research.

Li S, et al. (2022) Regenerating islet-derived protein 3 gamma (Reg3g) ameliorates
tacrolimus-induced pancreatic ?-cell dysfunction in mice by restoring mitochondrial function.
British journal of pharmacology.

Mague SD, et al. (2022) Brain-wide electrical dynamics encode individual appetitive social
behavior. Neuron.

for Amyotrophic Lateral Sclerosis. Frontiers in immunology, 13, 773288.

Stevens SR, et al. (2022) Ankyrin-R Links Kv3.3 to the Spectrin Cytoskeleton and Is
Required for Purkinje Neuron Survival. The Journal of neuroscience : the official journal of
the Society for Neuroscience, 42(1), 2-15.

Release by Pituitary Gonadotrope Cells in Mice. Endocrinology, 163(1).

Katsumura S, et al. (2022) Deadenylase-dependent mRNA decay of GDF15 and FGF21

Stowe TA, et al. (2022) Diurnal rhythms in cholinergic modulation of rapid dopamine signals
and associative learning in the striatum. Cell reports, 39(1), 110633.

Garcia Garcia CJ, et al. (2022) Stromal HIF2 Regulates Immune Suppression in the
Pancreatic Cancer Microenvironment. Gastroenterology.

Nature methods.

Nakai-Shimoda H, et al. (2022) -deficient mice develop somatosensory dysfunction and
axonal loss in the peripheral nerves. iScience, 25(1), 103609.

Liao P, et al. (2022) CD8T cells and fatty acids orchestrate tumor ferroptosis and immunity

Galán-Díez M, et al. (2022) Subversion of Serotonin Receptor Signaling in Osteoblasts by

Yang L, et al. (2022) Human and mouse trigeminal ganglia cell atlas implicates multiple cell
types in migraine. Neuron.