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: CD5 antigen|glucose homeostasis QTL 1|nicotinamide nucleotide transhydrogenase|glucose homeostasis QTL 3|forebrain weight 2|cadherin 23 (otocadherin)|aryl-hydrocarbon receptor|glucose homeostasis QTL 2|hemoglobin beta chain complex|apolipoprotein B mRNA editing enzyme, catalytic polypeptide 3|cytochrome c oxidase subunit 7A2 like|beta-2 microglobulin|arylalkylamine N-acetyltransferase|forebrain weight 1|purinergic receptor P2X, ligand-gated ion channel, 7|NLR family, pyrin domain containing 12|nuclear encoded tRNA arginine 5 (anticodon TCT)|MX dynamin-like GTPase 1|microwave induced increase in complement receptor B cells|gamma-aminobutyric acid (GABA) A receptor, subunit alpha 2; inbred strain|inbred strain|inbred strain|inbred strain|inbred strain|inbred strain|inbred strain|inbred strain|inbred strain|inbred strain|inbred strain|inbred strain: Cd5|Gluchos1|Nnt|Gluchos3|Fbrwt2|Cd23|Ahr|Gluchos2|Hbb|Apobec3|Cox7a2|B2m|Aanat|Fbrwt1|P2 TrTct5|Mx1|Micrl|Gab2

Affected Gene: CD5 antigen|glucose homeostasis QTL 1|nicotinamide nucleotide transhydrogenase|glucose homeostasis QTL 3|forebrain weight 2|cadherin 23 (otocadherin)|aryl-hydrocarbon receptor|glucose homeostasis QTL 2|hemoglobin beta chain complex|apolipoprotein B mRNA editing enzyme, catalytic polypeptide 3|cytochrome c oxidase subunit 7A2 like|beta-2 microglobulin|arylalkylamine N-acetyltransferase|forebrain
weight 1|purinergic receptor P2X, ligand-gated ion channel, 7|NLR family, pyrin domain containing 12|nuclear encoded tRNA arginine 5 (anticodon TCT)|MX dynamin-like GTPase 1|mircrowave induced increase in complement receptor B cells|gamma-aminobutyric acid (GABA) A receptor, subunit alpha 2

**Genomic Alteration:** b variant|C57BL/6J|C57BL/6J|C57BL/6J|C57BL/6J|C57BL/6J|age related hearing loss 1|b-1 variant|C57BL/6J|single|recovery from Friend virus 3, resistant|short|b variant|rs216509331 SNP allele with the A variant|C57BL/6J|rs48804829 SNP allele with the T variant|C57BL/6J|mutation 1, Jackson|myxovirus susceptibility 1|non-responder|C57BL/6J variant

**Catalog Number:** JAX:000664

**Database:** International Mouse Resource Center IMSR, JAX

**Database Abbreviation:** IMSR


**Organism Name:** C57BL/6J

**Ratings and Alerts**

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

No alerts have been found for C57BL/6J.

**Data and Source Information**

**Source:** Integrated Animals

**Source Database:** International Mouse Resource Center IMSR, JAX

**Usage and Citation Metrics**

We found 2643 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](http://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.


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.


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