

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

C57BL/6JArc

RRID:IMSR_ARC:B6

Type: Organism

Proper Citation

RRID:IMSR_ARC:B6

Organism Information

URL:

Proper Citation: RRID:IMSR_ARC:B6

Description: Mus musculus with name C57BL/6JArc from IMSR.

Species: Mus musculus

Notes: gene symbol note: aryl-hydrocarbon receptor|forebrain weight 1|glucose homeostasis QTL 2|forebrain weight 2|nuclear encoded tRNA arginine 5 (anticodon TCT)|glucose homeostasis QTL 3|cadherin 23 (otocadherin)|glucose homeostasis QTL 1|microwave induced increase in complement receptor B cells|nicotinamide nucleotide transhydrogenase|purinergic receptor P2X; ligand-gated ion channel; 7; inbred strain: Ahr|Fbrwt1|Gluchos2|Fbrwt2|n-TRtct5|Gluchos3|Cdh23|Gluchos1|Micr1|Nnt|P2rx7

Affected Gene: aryl-hydrocarbon receptor|forebrain weight 1|glucose homeostasis QTL 2|forebrain weight 2|nuclear encoded tRNA arginine 5 (anticodon TCT)|glucose homeostasis QTL 3|cadherin 23 (otocadherin)|glucose homeostasis QTL 1|microwave induced increase in complement receptor B cells|nicotinamide nucleotide transhydrogenase|purinergic receptor P2X; ligand-gated ion channel; 7

Genomic Alteration: b-1 variant|C57BL/6J|mutation 1; Jackson|age related hearing loss 1|non-responder|rs48804829 SNP allele with the T variant

Catalog Number: ARC:B6

Database: Animal Resources Centre

Database Abbreviation: ARC

Availability: live

Organism Name: C57BL/6JArc

Record Creation Time: 20250513T062204+0000

Record Last Update: 20260725T052929+0000

Ratings and Alerts

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

No alerts have been found for C57BL/6JArc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Animal Resources Centre

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Ferguson LA, et al. (2024) Adaptation of sequential action benefits from timing variability related to lateral basal ganglia circuitry. iScience, 27(3), 109274.

Principe N, et al. (2024) Anti-metabolite chemotherapy increases LAG-3 expressing tumor-infiltrating lymphocytes which can be targeted by combination immune checkpoint blockade. Journal for immunotherapy of cancer, 12(9).

Principe N, et al. (2022) Comprehensive Testing of Chemotherapy and Immune Checkpoint Blockade in Preclinical Cancer Models Identifies Additive Combinations. Frontiers in immunology, 13, 872295.

Kumar R, et al. (2020) Type I Interferons Suppress Anti-parasitic Immunity and Can Be Targeted to Improve Treatment of Visceral Leishmaniasis. Cell reports, 30(8), 2512.

Clark JW, et al. (2019) Sex differences in mouse models of fear inhibition: Fear extinction, safety learning, and fear-safety discrimination. British journal of pharmacology, 176(21), 4149.