

Resource Summary Report

Generated by [dkNET](#) on Aug 4, 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: 20260801T055849+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 [dkNET](#) .

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.