

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ

RRID:IMSR_JAX:031675

Type: Organism

Proper Citation

RRID:IMSR_JAX:031675

Organism Information

URL: <https://www.jax.org/strain/031675>

Proper Citation: RRID:IMSR_JAX:031675

Description: Mus musculus with name B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: complement component 1; q subcomponent; alpha polypeptide; mutant strain: C1qa

Affected Gene: complement component 1; q subcomponent; alpha polypeptide

Genomic Alteration: targeted mutation 1d; Wellcome Trust Sanger Institute

Catalog Number: JAX:031675

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ

Record Creation Time: 20250513T053824+0000

Record Last Update: 20260919T055008+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ.

No alerts have been found for B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Mackie PM, et al. (2026) C1q-dependent clearance of alpha-synuclein allows macrophages to transiently limit enteric synucleinopathy in male mice. *Nature communications*, 17(1).

Bhattacharya M, et al. (2026) Collagen binding adhesin restricts *Staphylococcus aureus* skin infection. *Nature communications*, 17(1).

Diep RE, et al. (2026) Natural maternal immunity protects neonates from *Escherichia coli* sepsis. *Nature*, 653(8114), 519.

Shenoy MK, et al. (2025) Breast milk IgG engages the mouse neonatal immune system to instruct responses to gut antigens. *Science (New York, N.Y.)*, 389(6761), eado5294.

Wu M, et al. (2024) Gut complement induced by the microbiota combats pathogens and spares commensals. *Cell*, 187(4), 897.

Ngo VL, et al. (2024) Intestinal microbiota programming of alveolar macrophages influences severity of respiratory viral infection. *Cell host & microbe*, 32(3), 335.

Passino R, et al. (2024) Neutrophil-inflicted vasculature damage suppresses immune-mediated optic nerve regeneration. *Cell reports*, 43(3), 113931.

Carrillo GL, et al. (2023) Complement-dependent loss of inhibitory synapses on pyramidal neurons following *Toxoplasma gondii* infection. *Journal of neurochemistry*.

Sahin M, et al. (2022) Antibody bivalency improves antiviral efficacy by inhibiting virion release independently of Fc gamma receptors. *Cell reports*, 38(5), 110303.

Clayton K, et al. (2021) Plaque associated microglia hyper-secrete extracellular vesicles and accelerate tau propagation in a humanized APP mouse model. *Molecular neurodegeneration*, 16(1), 18.