

Resource Summary Report

Generated by [kravitz2](#) on Jul 28, 2026

C57BL/6-Tg(Slc17a6-icre)1Oki/Kctt

RRID:IMSR_EM:04587

Type: Organism

Proper Citation

RRID:IMSR_EM:04587

Organism Information

URL: <https://www.infrafrontier.eu/emma/strain-details/?q=4587>

Proper Citation: RRID:IMSR_EM:04587

Description: Mus musculus with name C57BL/6-Tg(Slc17a6-icre)1Oki/Kctt from IMSR.

Species: Mus musculus

Synonyms: Vglut2-cre F16

Notes: gene symbol note: transgene insertion 1; Ole Kiehn; mutant strain: Tg(Slc17a6-icre)1Oki

Affected Gene: transgene insertion 1; Ole Kiehn

Genomic Alteration: transgene insertion 1; Ole Kiehn

Catalog Number: EM:04587

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: embryo

Organism Name: C57BL/6-Tg(Slc17a6-icre)1Oki/Kctt

Record Creation Time: 20250513T062222+0000

Record Last Update: 20260725T052949+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Slc17a6-icre)1Oki/Kctt.

No alerts have been found for C57BL/6-Tg(Slc17a6-icre)1Oki/Kctt.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Archive

Usage and Citation Metrics

We found 86 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Strassmann P, et al. (2026) A behavioral integration mechanism underlies action timing. Science advances, 12(1), eaea5558.

Bussaka K, et al. (2026) Barrington's Nucleus: A Pontine Defecation Brain Area Exhibiting Prompt and Delayed Defecation Responses. Cellular and molecular gastroenterology and hepatology, 20(1), 101635.

Prévost ED, et al. (2025) Untangling dopamine and glutamate in the ventral tegmental area. bioRxiv : the preprint server for biology.

Gong XT, et al. (2025) Basal Forebrain to Ventral Tegmental Area Glutamatergic Pathway Promotes Emergence from Isoflurane Anesthesia in Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(31).

Rupprecht P, et al. (2025) Spike rate inference from mouse spinal cord calcium imaging data. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(18).

Inada K, et al. (2025) A transgenic mouse line for rabies virus-mediated trans-synaptic tracing in the postnatal developing brain. PloS one, 20(5), e0323629.

Han M, et al. (2025) Glycosaminoglycan sugar side chains on perineuronal nets in the fastigial nucleus regulate motor skills. iScience, 28(8), 112952.

Zhao W, et al. (2025) Igfbp2 Downregulation in PVT-CeA Glutamatergic Circuits Drives Neonatal Anesthesia-Induced Fear Memory Deficits. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(41), e05025.

Lu MX, et al. (2025) Parabrachial Glutamatergic Neurons Coordinate Cardiovascular Homeostasis and Locomotion in Mice. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e17353.

Feng Z, et al. (2025) A mouse brain stereotaxic topographic atlas with isotropic 1-?m resolution. Nature, 645(8080), 448.

He C, et al. (2025) Red Nucleus Excitatory Neurons Initiate Directional Motor Movement in Mice. Biomedicines, 13(8).

Footo MK, et al. (2025) Non-synaptic Mechanism of Ocular Dominance Plasticity. bioRxiv : the preprint server for biology.

Grove JCR, et al. (2025) A lateralized pathway for associating nutrients with flavors. bioRxiv : the preprint server for biology.

Soriano JE, et al. (2025) A neuronal architecture underlying autonomic dysreflexia. Nature, 646(8087), 1167.

Ambroziak W, et al. (2025) Thermally induced neuronal plasticity in the hypothalamus mediates heat tolerance. Nature neuroscience, 28(2), 346.

Li H, et al. (2025) An alternative neural basis underlying leptin resistance. Cell reports, 44(7), 115863.

Hadjas LC, et al. (2025) Parkinson's Disease-vulnerable and -resilient dopamine neurons display opposite responses to excitatory input. bioRxiv : the preprint server for biology.

Ishii KK, et al. (2025) Post-ejaculatory inhibition of female sexual drive via heterogeneous neuronal ensembles in the medial preoptic area. eLife, 12.

Darden CB, et al. (2025) Acute EtOH enhances septohippocampal coordination but disrupts intrinsic hippocampal theta dynamics during foraging. bioRxiv : the preprint server for biology.

Xu QY, et al. (2025) Paraventricular hypothalamic input to anterior cingulate cortex controls food preferences in chronic visceral pain mice. Nature communications, 16(1), 5943.