

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

B6.Cg-Tg(tetO-CHRM4*)2Blr/J

RRID:IMSR_JAX:024114

Type: Organism

Proper Citation

RRID:IMSR_JAX:024114

Organism Information

URL: <https://www.jax.org/strain/024114>

Proper Citation: RRID:IMSR_JAX:024114

Description: Mus musculus with name B6.Cg-Tg(tetO-CHRM4*)2Blr/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: cholinergic receptor muscarinic 4|tet operator|transgene insertion 2; Bryan L Roth; mutant strain|congenic strain: CHRM4|tetO|Tg(tetO-CHRM4*)2Blr

Affected Gene: cholinergic receptor muscarinic 4|tet operator|transgene insertion 2; Bryan L Roth

Genomic Alteration: transgene insertion 2; Bryan L Roth

Catalog Number: JAX:024114

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(tetO-CHRM4*)2Blr/J

Record Creation Time: 20250513T053750+0000

Record Last Update: 20260905T044530+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(tetO-CHRM4*)2Blr/J.

No alerts have been found for B6.Cg-Tg(tetO-CHRM4*)2Blr/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Gregory JD, et al. (2025) Immature olfactory sensory neurons provide complementary input in the healthy olfactory system. bioRxiv : the preprint server for biology.

Pulido RS, et al. (2020) Neuronal Activity Regulates Blood-Brain Barrier Efflux Transport through Endothelial Circadian Genes. Neuron, 108(5), 937.

Kanter BR, et al. (2017) A Novel Mechanism for the Grid-to-Place Cell Transformation Revealed by Transgenic Depolarization of Medial Entorhinal Cortex Layer II. Neuron, 93(6), 1480.