

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

B6;129-Omp^{tm1(tTA)Gogo/J}

RRID:IMSR_JAX:017754

Type: Organism

Proper Citation

RRID:IMSR_JAX:017754

Organism Information

URL: <https://www.jax.org/strain/017754>

Proper Citation: RRID:IMSR_JAX:017754

Description: Mus musculus with name B6;129-Omp^{tm1(tTA)Gogo/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: tetracycline-controlled transactivator|olfactory marker protein;
mutant stock: tTA|Omp

Affected Gene: tetracycline-controlled transactivator|olfactory marker protein

Genomic Alteration: targeted mutation 1; Joseph Gogos

Catalog Number: JAX:017754

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Omp^{tm1(tTA)Gogo/J}

Record Creation Time: 20250513T053734+0000

Record Last Update: 20260815T050646+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Omp^{tm1(tTA)Gogo/J}.

No alerts have been found for B6;129-Omp^{tm1(tTA)Gogo/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Brann DH, et al. (2026) A spatial code governs olfactory receptor choice and aligns sensory maps in the nose and brain. *Cell*, 189(11), 3358.

Duffi?? R, et al. (2025) Mex3a-dependent post-transcriptional silencing ensures olfactory receptor diversity and axon guidance specificity. *Cell reports*, 44(8), 115979.

Murray HC, et al. (2023) Progressive Spread of Beta-amyloid Pathology in an Olfactory-driven Amyloid Precursor Protein Mouse Model. *Neuroscience*, 516, 113.

Burton SD, et al. (2022) Mapping odorant sensitivities reveals a sparse but structured representation of olfactory chemical space by sensory input to the mouse olfactory bulb. *eLife*, 11.

Qiu Q, et al. (2021) Encoding innately recognized odors via a generalized population code. *Current biology : CB*, 31(9), 1813.

Chu MW, et al. (2017) Lack of Pattern Separation in Sensory Inputs to the Olfactory Bulb during Perceptual Learning. *eNeuro*, 4(5).