

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

B6.Cg-Tg(Chat-COP4*H134R/EYFP.Slc18a3)5Gfng/J

RRID:IMSR_JAX:014545

Type: Organism

Proper Citation

RRID:IMSR_JAX:014545

Organism Information

URL: <https://www.jax.org/strain/014545>

Proper Citation: RRID:IMSR_JAX:014545

Description: Mus musculus with name B6.Cg-Tg(Chat-COP4*H134R/EYFP.Slc18a3)5Gfng/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Chat-COP4*H134R/EYFP)5Gfng/J

Notes: gene symbol note: |choline O-acetyltransferase|transgene insertion 5; Guoping Feng|Channelrhodopsin; mutant strain|congenic strain: |Chat|Tg(Chat-COP4*H134R/EYFP;Slc18a3)5Gfng|COP4

Affected Gene: |choline O-acetyltransferase|transgene insertion 5; Guoping Feng|Channelrhodopsin

Genomic Alteration: transgene insertion 5; Guoping Feng

Catalog Number: JAX:014545

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(Chat-COP4*H134R/EYFP.Slc18a3)5Gfng/J

Record Creation Time: 20250513T053727+0000

Record Last Update: 20260725T044436+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Chat-COP4*H134R/EYFP.Slc18a3)5Gfng/J.

No alerts have been found for B6.Cg-Tg(Chat-COP4*H134R/EYFP.Slc18a3)5Gfng/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Moehle MS, et al. (2017) Cholinergic Projections to the Substantia Nigra Pars Reticulata Inhibit Dopamine Modulation of Basal Ganglia through the M4 Muscarinic Receptor. Neuron, 96(6), 1358.