

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

BXD40/TyJ

RRID:IMSR_JAX:003229

Type: Organism

Proper Citation

RRID:IMSR_JAX:003229

Organism Information

URL: <https://www.jax.org/strain/003229>

Proper Citation: RRID:IMSR_JAX:003229

Description: Mus musculus with name BXD40/TyJ from IMSR.

Species: Mus musculus

Synonyms: BXD-40/TyJ

Notes: gene symbol note: gamma-aminobutyric acid type A receptor subunit alpha 2;
recombinant inbred: Gabra2

Affected Gene: gamma-aminobutyric acid type A receptor subunit alpha 2

Genomic Alteration: C57BL/6J variant

Catalog Number: JAX:003229

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: BXD40/TyJ

Record Creation Time: 20250513T053638+0000

Record Last Update: 20260912T060422+0000

Ratings and Alerts

No rating or validation information has been found for BXD40/TyJ.

No alerts have been found for BXD40/TyJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

G??mez-Pascual A, et al. (2026) The Smarcal1-Usp37 locus modulates glycogen aggregation in astrocytes of the aged hippocampus. Cell systems, 17(2), 101488.

Khan AH, et al. (2023) Genetic pathways regulating the longitudinal acquisition of cocaine self-administration in a panel of inbred and recombinant inbred mice. Cell reports, 42(8), 112856.

Molendijk J, et al. (2022) Proteome-wide systems genetics identifies UFMylation as a regulator of skeletal muscle function. eLife, 11.

Ashbrook DG, et al. (2021) A platform for experimental precision medicine: The extended BXD mouse family. Cell systems, 12(3), 235.