

Resource Summary Report

Generated by SPARC SAWG on Aug 15, 2026

B6;CBA-Tg(Pou5f1-EGFP)2Mnn/J

RRID:IMSR_JAX:004654

Type: Organism

Proper Citation

RRID:IMSR_JAX:004654

Organism Information

URL: <https://www.jax.org/strain/004654>

Proper Citation: RRID:IMSR_JAX:004654

Description: Mus musculus with name B6;CBA-Tg(Pou5f1-EGFP)2Mnn/J from IMSR.

Species: Mus musculus

Synonyms: B6;CBA-Tg(Pou5f1-EGFP)2Mnn

Notes: gene symbol note: |POU domain; class 5; transcription factor 1|transgene insertion 2; Jeff Mann; mutant stock: |Pou5f1|Tg(Pou5f1-EGFP)2Mnn

Affected Gene: |POU domain; class 5; transcription factor 1|transgene insertion 2; Jeff Mann

Genomic Alteration: transgene insertion 2; Jeff Mann

Catalog Number: JAX:004654

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;CBA-Tg(Pou5f1-EGFP)2Mnn/J

Record Creation Time: 20250513T053646+0000

Record Last Update: 20260815T050557+0000

Ratings and Alerts

No rating or validation information has been found for B6;CBA-Tg(Pou5f1-EGFP)2Mnn/J.

No alerts have been found for B6;CBA-Tg(Pou5f1-EGFP)2Mnn/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Nolte T, et al. (2026) Variable partition of non-homogeneous ooplasm sets the stage for divergent potency of 2-cell stage blastomeres. *Molecular human reproduction*, 32(1).

Bakhmet EI, et al. (2026) PCBP1 orchestrates amino acid metabolism burst during the naive-to-primed pluripotency transition. *Stem cell reports*, 21(7), 102950.

Li J, et al. (2023) Transcriptome-based chemical screens identify CDK8 as a common barrier in multiple cell reprogramming systems. *Cell reports*, 42(6), 112566.

Tan DS, et al. (2023) The homeodomain of Oct4 is a dimeric binder of methylated CpG elements. *Nucleic acids research*, 51(3), 1120.

Zou Q, et al. (2021) Proteostasis regulated by testis-specific ribosomal protein RPL39L maintains mouse spermatogenesis. *iScience*, 24(12), 103396.

Li S, et al. (2021) A nonautophagic role of ATG5 in regulating cell growth by targeting c-Myc for proteasome-mediated degradation. *iScience*, 24(11), 103296.

Tan K, et al. (2021) RHOX10 drives mouse spermatogonial stem cell establishment through a transcription factor signaling cascade. *Cell reports*, 36(3), 109423.

Heo J, et al. (2020) Phosphorylation of TFCP2L1 by CDK1 is required for stem cell pluripotency and bladder carcinogenesis. *EMBO molecular medicine*, 12(1), e10880.

Bartocetti M, et al. (2020) Regulatory Dynamics of Tet1 and Oct4 Resolve Stages of Global DNA Demethylation and Transcriptomic Changes in Reprogramming. *Cell reports*, 30(7), 2150.

Mikedis MM, et al. (2020) DAZL mediates a broad translational program regulating expansion and differentiation of spermatogonial progenitors. *eLife*, 9.

Liu J, et al. (2020) YTHDF2/3 Are Required for Somatic Reprogramming through Different RNA Deadenylation Pathways. *Cell reports*, 32(10), 108120.

Nicholls PK, et al. (2019) Locating and Characterizing a Transgene Integration Site by Nanopore Sequencing. *G3* (Bethesda, Md.), 9(5), 1481.

An Z, et al. (2019) Sox2 and Klf4 as the Functional Core in Pluripotency Induction without Exogenous Oct4. *Cell reports*, 29(7), 1986.

Mor N, et al. (2018) Neutralizing Gatad2a-Chd4-Mbd3/NuRD Complex Facilitates Deterministic Induction of Naive Pluripotency. *Cell stem cell*, 23(3), 412.

Gilbert RS, et al. (2016) Genetic mouse embryo assay: improving performance and quality testing for assisted reproductive technology (ART) with a functional bioassay. *Reproductive biology and endocrinology : RB&E*, 14, 13.

Yao H, et al. (2015) Transdifferentiation-Induced Neural Stem Cells Promote Recovery of Middle Cerebral Artery Stroke Rats. *PloS one*, 10(9), e0137211.