Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 8, 2025

B6.FVB-Tg(Pdx1-cre)6Tuv/J

RRID:IMSR_JAX:014647
Type: Organism

Proper Citation

RRID:IMSR_JAX:014647

Organism Information

URL: https://www.jax.org/strain/014647

Proper Citation: RRID:IMSR_JAX:014647

Description: Mus musculus with name B6.FVB-Tg(Pdx1-cre)6Tuv/J from IMSR.

Species: Mus musculus

Synonyms: B6;CBA-Tg(Pdx1-cre)6Cvw/J. B6.FVB-Tg(Ipf1-cre)6Tuv/J

Notes: gene symbol note: transgene insertion 6; David A Tuveson|pancreatic and duodenal homeobox 1||transgene insertion 6; David A Tuveson|pancreatic and duodenal homeobox 1|; mutant strain: Tg(Pdx1-cre)6Tuv|Pdx1||Tg(Pdx1-cre)6Tuv|Pdx1|

Affected Gene: transgene insertion 6; David A Tuveson|pancreatic and duodenal homeobox 1||transgene insertion 6; David A Tuveson|pancreatic and duodenal homeobox 1|

Genomic Alteration: transgene insertion 6; David A Tuveson

Catalog Number: JAX:014647

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:14647

Organism Name: B6.FVB-Tg(Pdx1-cre)6Tuv/J

Record Creation Time: 20230509T193308+0000

Record Last Update: 20250412T090552+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB-Tg(Pdx1-cre)6Tuv/J.

No alerts have been found for B6.FVB-Tg(Pdx1-cre)6Tuv/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 36 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Lu P, et al. (2024) Spatiotemporal role of SETD2-H3K36me3 in murine pancreatic organogenesis. Cell reports, 43(2), 113703.

Pollin G, et al. (2024) Ehmt2 inactivation in pancreatic epithelial cells shapes the transcriptional landscape and inflammation response of the whole pancreas. Frontiers in genetics, 15, 1412767.

Mahadevan KK, et al. (2024) Type I conventional dendritic cells facilitate immunotherapy in pancreatic cancer. Science (New York, N.Y.), 384(6703), eadh4567.

Ishida CT, et al. (2024) SREBP-Dependent Regulation of Lipid Homeostasis Is Required for Progression and Growth of Pancreatic Ductal Adenocarcinoma. Cancer research communications, 4(9), 2539.

Pollin G, et al. (2024) EHMT2 Inactivation in Pancreatic Epithelial Cells Shapes the Transcriptional Landscape and Inflammation Response of the Whole Pancreas. bioRxiv : the preprint server for biology.

Adem B, et al. (2024) Exosomes define a local and systemic communication network in healthy pancreas and pancreatic ductal adenocarcinoma. Nature communications, 15(1), 1496.

Fadzeyeva E, et al. (2023) Pancreas-derived DPP4 is not essential for glucose homeostasis under metabolic stress. iScience, 26(5), 106748.

Gaspar TB, et al. (2023) Generation of an Obese Diabetic Mouse Model upon Conditional Atrx Disruption. Cancers, 15(11).

Walcheck MT, et al. (2023) Aryl hydrocarbon receptor knockout accelerates PanIN formation and fibro-inflammation in a mutant Kras -driven pancreatic cancer model. bioRxiv : the preprint server for biology.

Umapathysivam MM, et al. (2023) Type 2 Diabetes risk alleles in Peptidyl-glycine Alpha-amidating Monooxygenase influence GLP-1 levels and response to GLP-1 Receptor Agonists. medRxiv : the preprint server for health sciences.

Bastos N, et al. (2023) SMC3 epigenetic silencing regulates Rab27a expression and drives pancreatic cancer progression. Journal of translational medicine, 21(1), 578.

Zhao T, et al. (2023) Nuclear GRP78 Promotes Metabolic Reprogramming and Therapeutic Resistance in Pancreatic Ductal Adenocarcinoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 29(24), 5183.

Kaune T, et al. (2023) Gender-specific changes of the gut microbiome correlate with tumor development in murine models of pancreatic cancer. iScience, 26(6), 106841.

Mahadevan KK, et al. (2023) Elimination of oncogenic KRAS in genetic mouse models eradicates pancreatic cancer by inducing FAS-dependent apoptosis by CD8+ T cells. Developmental cell, 58(17), 1562.

Schniers BK, et al. (2022) Deletion of Slc6a14 reduces cancer growth and metastatic spread and improves survival in KPC mouse model of spontaneous pancreatic cancer. The Biochemical journal, 479(5), 719.

Ruivo CF, et al. (2022) Extracellular Vesicles from Pancreatic Cancer Stem Cells Lead an Intratumor Communication Network (EVNet) to fuel tumour progression. Gut, 71(10), 2043.

Alam A, et al. (2022) Fungal mycobiome drives IL-33 secretion and type 2 immunity in pancreatic cancer. Cancer cell, 40(2), 153.

He D, et al. (2022) Methionine oxidation activates pyruvate kinase M2 to promote pancreatic cancer metastasis. Molecular cell, 82(16), 3045.

Shields MA, et al. (2022) G?13 loss in Kras/Tp53 mouse model of pancreatic tumorigenesis promotes tumors susceptible to rapamycin. Cell reports, 38(9), 110441.

Ma N, et al. (2022) Interleukin-37 protects against acinar cell pyroptosis in acute pancreatitis. JCI insight, 7(21).