

Conditional null allele of Ptf1a. LoxP sites flanking exon 1 and 2 (entire coding region of Ptf1a).

Keywords: [Ptf1a^{lox}](#) [Ptf1a](#) [Cvw](#) [loxP site](#)

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Mouse Information

Common Name	Ptf1a ^{flox}
VCMR ID	TC
Date Cryopreserved	2014-09-16
Method of Cryopreservation	Sperm
Trial IVF % Fertilization	84.48%

Genetic Alteration

Mutation #1: Targeted Mutagenesis	
Allele	Name: pancreas specific transcription factor, 1a; targeted mutation 3, Christopher VE Wright Symbol: Ptf1a ^{tm3Cvw} MGI: MGI:5788429
Zygosity at cryopreservation	Homozygote
PCR Genotyping Protocol	Ptf1aflox_Genotyping_Protocol.docx
Citations	<p>Publication</p> <p>The acinar differentiation determinant PTF1A inhibits initiation of pancreatic ductal adenocarcinoma. (2015) <i>Elife</i> 4: (Added 8/4/2015) PMID: 26151762</p>

Background Strain Information

Strain Type	Mixed
Chimera/Founder Genetic Background	129S6/SvEvTac

Cryopreservation Strain Background (VCMR)	C57BL/6J
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Viability and Fertility Data	Strain Background: 50% C57BL/6J at cryopreservation Normal number of pups; No breeding issues; Homozygous viable.
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Additional Information

5' loxP site was placed 1.6kb upstream of the transcription start site. The FRT-Neo-FRT cassette was placed 100 bp after the transcription stop site followed by the 3' loxP. Upon germline transmission, the neomycin cassette was deleted by a FLPe deleter mouse.