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Pdx1^{(AIVd)Rwst} - Mouse Strain RES4077**Mouse Information**

Common Name:	Pdx1 ^{(AIVd)Rwst}
MGI Official Name:	Pdx1 ^{(AIVd)Rwst}
Description:	In this mouse line, Area IV of the Pdx1 enhancer (-2168/-1913 relative to the primary transcription start site) was deleted using RMCE in the Pdx1[LCA] allele. This mouse line allows for assessment of the role of these DNA sequences in the regulation and function of Pdx1.
Categories:	None specified.

Genetic Alterations

1) RMCE Targeted Mutagenesis	
Type of Allele	Cassette Acceptor
Targeted Gene	pancreatic and duodenal homeobox 1 (Pdx1 - NCBI GeneID:18609)
Targeted Allele	targeted mutation 1 (Pdx1 ^{tm1(LCA)} - MGI:102851)
Description of Targeting Vector	An 8.62 kb region of this gene has been replaced by tandemly oriented Lox66 and Lox2272 sites flanking positive (puromycin) and negative (HSV-TK) selectable markers.
Targeting Vector Genbank File	ppdx1tv.gb
Recombinase-Mediated Cassette Exchange Stage	
Type of Allele:	Gene Replacement
Exchanged Cassette Gene	Not provided.
Exchanged Cassette Allele Name	Pdx1 ^{area IV deletion}
Description of Exchange Vector	The pPdx1.AIVd vector was made on a backbone of a basal Pdx1 exchange vector which contains a 8.610 kb sequence from the Pdx1 locus, Lox66/Lox2272 sites, and a flrtd (flanked by FRT) Pgk-Hygro cassette that is used for positive selection of ES cells after RMCE. The Pdx1 area IV sequence (473 bp) was removed from this construct.
Exchange Vector Genbank File:	pPdx1.AIVd.gb
Citations	Not Available


Strain Information

No strain information has been supplied


Associated Images

Image 1
<p>Description: Not provided</p> <p>Reference: Not provided</p>

Access Status

 This resource is publicly viewable.

Request this Resource


 Request from a repository

Primary contributor: [Stein Lab](#)
Co-contributed by:

- [BCBC Mouse / ES Cell Core](#)

Resource Tags

mouse, mouse strain, Pdx1^{(AIVd)Rwst}

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Resource History & Actions

Approved on Dec 21, 2011
Last modified on Dec 16, 2011

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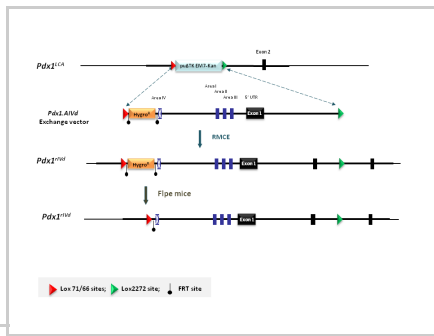
Related resources**BCBC**

No matching resources

Other Consortia

No matching resources

Data courtesy of [dkCOIN](#). Only public resources are displayed.



Repositories

No repositories indicated.

Contact Information

Preferred Contact


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Associated Publications

No publications associated

Comments

There are no comments for this entry.

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