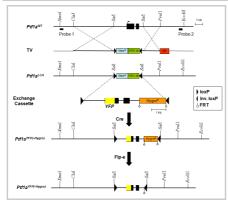


# Generated on July 31, 2015



#### Description:

Schematic representation of the Ptf1a locus, targeting vector, ptf1a $^{\text{LCA}}$  allele, ptf1a $^{\text{YFP}}$ exchange cassette, the ptf1a YFP + hygroR, and the ptf1a YFP hygroR allele. A 4.1 kb Ptf1a fragment including both exons was replaced by two pgkdriven selection cassettes, neo<sup>R</sup> and HSV-tk, flanked by inversely orientated loxP sites during gene targeting. A pgkdriven Diphtheria toxin A cassette is located beyond the end of the short arm of DNA homology. YFP coding sequences repalce 5"" UTR and Ptf1a coding sequences in exon 1. Exon 2 is retained in the exchange cassette to supply RNA splicing and poly adenylation signals with a FRTflanked hygromycin reisitance cassette located downstream of Ptf1a sequences for positive selection following RMCE. Insertion of the YFP exchange cassette into the  $Ptf1a^{LCA}$  was accomplished by RMCE creating the Ptf1aYFP+ hygroR allele from which mice were derived. Subsequent breeding to Flp-e transgenics eliminated the  $\mbox{hygro}^{\mbox{\scriptsize R}}$  and one FRT site from this mouse strain.

## Reference:

18294628

### Repositories

# MMRRC Stock #: 029175 Availability Notes: Not provided Magnuson Lab Stock #: VUMC - GZ Availability Notes: Not provided

### **Contact Information**

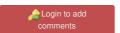
Preferred Contact	
Name	Mark Magnuson
Institution	Vanderbilt University
Phone	615-322-7006
Email	mark.magnuson@vanderbilt.edu

### **Associated Publications**

No publications associated

# Comments

There are no comments for this entry.



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