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Ptf1a and RbpjL ChIP-Seq for adult mouse pancreas - Study GBCO3994**Genomics Study Specifications**

Study Name	Ptf1a and RbpjL ChIP-Seq for adult mouse pancreas
Contact Name	Raymond MacDonald (University of Texas Southwestern Medical Center)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/20398665
My Strategies	Return to My Strategies page
Classification	Targets and roles of transcriptional regulators
Links	 Biomaterials Graph
BCBC Release Date	January 04, 2011
Public Release Date	January 04, 2011
Citation	Masui T, Swift GH, Deering T, Shen C, Coats WS, Long Q, Elsässer HP, Magnuson MA, MacDonald RJ. Replacement of Rbpj with RbpjL in the PTF1 complex controls the final maturation of pancreatic acinar cells. <i>Gastroenterology</i> . 2010. 139:270-80

Synopsis

Study Description	Goals	
Approaches	Results	Conclusions
Related Studies		
<p>Ptf1a and RbpjL form a trimeric DNA-binding complex (PTF1) with a common E-protein. We wanted to identify genes that are regulated by the complex and distinguish those possibly regulated independently by Ptf1a and RbpjL in adult mouse pancreas using ChIP-Seq technology. Chromatin Immunoprecipitations (ChIPs) for Ptf1a and RbpjL were performed with a number of mouse pancreas samples. Samples were sequenced with a Solexa/Illumina 1G Genome Analyzer and sequence information from Input (n=2), Ptf1a ChIP (n=2), and RbpjL ChIP (n=2) samples were aligned to the NCBI Genome Build 37 (mm9) to identify regions that were enriched for binding by Ptf1a and RbpjL.</p>		

Platform types	TF Binding, TF Binding ChIP-Seq
Platforms	Not available
Study Design Type	<ul style="list-style-type: none"> binding_site_identification_design
Study Factors	Show study factors
Study Assays	Show study assays

Access to Study Data


This Study Data is publicly available to all users.

Gene List(s)


Use the following form(s) to refine the parameters and add the gene list to a strategy:

▼ **Ptf1a versus input ChIP-Seq in adult mouse pancreas**

Access Status

 This resource is publicly viewable.


Request this Resource

 Request from a repository

Primary contributor: [MacDonald Lab](#)

Resource Tags

ptf1a, rbpjL

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Resource History & Actions

Approved on Jan 04, 2011
Last modified on Apr 24, 2012

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Related resources**BCBC**

No matching resources


Other Consortia

No matching resources

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

|Fold Change| Greater Than: Confidence Level: High Confidence All Results *For a microarray experiment a result with high confidence has a confidence level of at least 80%.**For a ChIP-chip experiment a result with high confidence has a confidence level of at least 90% and all fold changes are positive.*

Reference (Denominator): NA

 Rbpjl versus input ChIP-Seq in adult mouse pancreas

Genome Browser

Browse related tracks on the genome browser by clicking on the link(s) below:

[View tracks for this study in the region near the Ptf1a gene](#) Ptf1a and Rbpjl Binding Peak Calls

Lists of Locations

Use the following form(s) to refine the parameters and add the list of genomic sequences corresponding to peak calls to a strategy. Depending on your choices, these searches may be slow.


Ptf1a Binding in Murine Pancreas (GLITR Pipeline: Filtered and Pooled Unique-Best-Match Reads)

Retrieve:

 Whole Genome Peaks in a Region of Interest (specify below):*Enter a region (e.g., chr:start-stop) or enter just the chromosome (e.g., chr12 or chrX) to search for peaks on a single chromosome. Select the "Whole Genome" option or leave the text box blank to return all results from this analysis.* Rbpjl tf1a Binding in Murine Pancreas (GLITR Pipeline: Filtered and Pooled Unique-Best-Match Reads)

Repositories

MacDonald Lab

 Request this resourceStock #: *Not provided*
Availability Notes: *Not provided*

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