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## Chromatin immunoprecipitation of mouse pancreatic beta and acinar cells, embryonic stem cells, Pdx1-expressing endocrine progenitors and 10 other normal adult tissues - Study GBCO4114

**Genomics Study Specifications**

<b>Study Name</b>	Chromatin immunoprecipitation of mouse pancreatic beta and acinar cells, embryonic stem cells, Pdx1-expressing endocrine progenitors and 10 other normal adult tissues
<b>Contact Name</b>	<a href="#">Jorge Ferrer</a> (Hospital Clinic de Barcelona)
<b>Publication</b>	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20395405">http://www.ncbi.nlm.nih.gov/pubmed/20395405</a>
<b>My Strategies</b>	<a href="#">Return to My Strategies page</a>
<b>Classification</b>	Tissue expression, surveys and comparisons; Pancreas development and growth
<b>Links</b>	 <a href="#">Biomaterials Graph</a>  <a href="#">ArrayExpress</a>
<b>BCBC Release Date</b>	April 19, 2011
<b>Public Release Date</b>	April 19, 2011
<b>Citation</b>	van Arensbergen J, Garcia-Hurtado J, Moran I, Maestro MA, Xu X, Van de Casteele M, Skoudy AL, Palassini M, Heimberg H, Ferrer J. <a href="#">Derepression of Polycomb targets during pancreatic organogenesis allows insulin-producing beta-cells to adopt a neural gene activity program</a> . Genome Res. 2010. 20:722-32

**Synopsis**

<b>Study Description</b>	Goals	
Approaches	Results	Conclusions
Related Studies		


To gain insights into how pancreatic beta-cells are programmed in vivo, we profiled key histone methylations (H3K4/K27me3) in embryonic stem cells, multipotent progenitors of the nascent embryonic pancreas, purified beta-cells, and 10 other adult tissues (all under normal, untreated conditions). For these cells we also purified RNA to analyze tissue specific genome wide transcription levels in relation to histone modifications. This study refers to the epigenomics component of such work. Corresponding RNA microarrays can be found in Array Express under accession E-TABM-906.

<b>Platform types</b>	Epigenomic, Histone modification ChIP-chip
<b>Platforms</b>	Not available
<b>Study Design Type</b>	<ul style="list-style-type: none"> <li>co-expression_design</li> <li>in_vivo_design</li> <li>organism_part_comparison_design</li> </ul>
<b>Study Factors</b>	<a href="#">Show study factors</a>
<b>Study Assays</b>	<a href="#">Show study assays</a>


**Access to Study Data**

This Study Data is publicly available to all users.

**Access Status**

 This resource is publicly viewable.

**Request this Resource**

 Request from a repository

Primary contributor: [Ferrer Lab](#)

**Resource Tags**


affymetrix genechip mouse promoter 1.0r array, h3k27me3, h3k4me3, lhx1, rest, tox3

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 Read more about tags

**Resource History & Actions**

Approved on Apr 19, 2011  
Last modified on Nov 19, 2013

 Login to edit or request an edit

**Related resources****BCBC**

No matching resources

**Other Consortia**

No matching resources

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

## Gene List(s)

There are no gene lists currently available for this study.

## 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 Pdx1 gene](#) H3K4me3 and H3K27me3 Peak Calls (Tissue Survey)

## 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.

**H3K27me3 Histone Modification in Murine Pdx1-expressing Endocrine Progenitor Cells (CisGenome Peak Calls)**

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.*

**H3K4me3 Histone Modification in Murine Pdx1-expressing Endocrine Progenitor Cells (CisGenome Peak Calls)**

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## Repositories

Ferrer Lab


 Request this resource

**Stock #:** *Not provided*  
**Availability Notes:** *Not provided*

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**Comments**

*There are no comments for this entry.*

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