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## Pancreatic islet epigenomics reveals enhancer clusters that are enriched in Type 2 diabetes risk variants - Study GBCO4635

**Genomics Study Specifications**

<b>Study Name</b>	Pancreatic islet epigenomics reveals enhancer clusters that are enriched in Type 2 diabetes risk variants								
<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/24413736">http://www.ncbi.nlm.nih.gov/pubmed/24413736</a>								
<b>My Strategies</b>	<a href="#">Return to My Strategies page</a>								
<b>Classification</b>	Targets and roles of transcriptional regulators; Tissue expression, surveys and comparisons								
<b>Links</b>	 <a href="#">Biomaterials Graph</a>  <a href="#">ArrayExpress</a>								
<b>BCBC Release Date</b>	November 07, 2013								
<b>Public Release Date</b>	April 15, 2014								
<b>Citation</b>	Pasquali L, Gaulton KJ, Rodríguez-Seguí SA, Mularoni L, Miguel-Escalada I, Akerman I, Tena JJ, Morán I, Gómez-Marín C, van de Bunt M, Ponsa-Cobas J, Castro N, Nammo T, Cebola I, García-Hurtado J, Maestro MA, Pattou F, Piemonti L, Berney T, Gloyn AL, Ravassard P, Gómez-Skarmeta JL, Müller F, McCarthy MI, Ferrer J. <a href="#">Pancreatic islet enhancer clusters enriched in type 2 diabetes risk-associated variants</a> . Nat Genet. 2014. 46:136-43								
<b>Synopsis</b>	<div style="border: 1px solid gray; padding: 5px;"> <table border="1"> <tr> <td><b>Study Description</b></td> <td>Goals</td> </tr> <tr> <td>Approaches</td> <td>Results</td> <td>Conclusions</td> </tr> <tr> <td colspan="3">Related Studies</td> </tr> </table> <p>We combined ChIP-seq of chromatin marks and key islet transcription factor with RNA-seq in human islets to map cis-regulatory networks in this primary tissue. The output of this project provides a reference map to dissect genetic variants that alter the susceptibility for Type 2 diabetes, and assist efforts to generate new beta-cells by transcriptional programming strategies</p> </div>	<b>Study Description</b>	Goals	Approaches	Results	Conclusions	Related Studies		
<b>Study Description</b>	Goals								
Approaches	Results	Conclusions							
Related Studies									
<b>Platform types</b>	TF Binding ChIP-Seq, TF Binding, Histone modification ChIP-Seq, Epigenomic								
<b>Platforms</b>	Not available								
<b>Study Design Type</b>	<ul style="list-style-type: none"> <li>binding_site_identification_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.


**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:

**Access Status**

 This resource is publicly viewable.


**Request this Resource**

 Request from a repository

Primary contributor: [Ferrer Lab](#)

**Resource Tags**

 Login to edit tags

 [Read more about tags](#)

**Resource History & Actions**

Approved on Nov 07, 2013  
Last modified on Apr 15, 2014

 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.

<a href="#">View tracks for this study in the region near the NKX2-2 gene</a>	PDX1 Binding Peak Calls and Coverage
<a href="#">View tracks for this study in the region near the NKX2-2 gene</a>	FOXA2 Binding Peak Calls and Coverage
<a href="#">View tracks for this study in the region near the NKX2-2 gene</a>	NKX2-2 Binding Peak Calls and Coverage
<a href="#">View tracks for this study in the region near the NKX2-2 gene</a>	NKX6-1 Binding Peak Calls and Coverage
<a href="#">View tracks for this study</a>	MAFB Binding Peak Calls and Coverage
<a href="#">View tracks for this study</a>	H2AZ Binding Peak Calls and Coverage

### 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.

▼ PDX1 Binding in Human Islets, Sample HI 32 (MACS Peak Calls)

Retrieve:

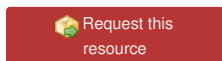
Whole Genome  
 Peaks in a Region of Interest (specify below):

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.

- ▶ PDX1 Binding in Human Islets, Sample HI 45 (MACS Peak Calls)
- ▶ FOXA2 Binding in Human Islets, Sample HI 101 (MACS Peak Calls)
- ▶ FOXA2 Binding in Human Islets, Sample HI 32 (MACS Peak Calls)
- ▶ NKX2-2 Binding in Human Islets, Sample HI 87 (MACS Peak Calls)
- ▶ NKX2-2 Binding in Human Islets, Sample HI 88 (MACS Peak Calls)
- ▶ MAFB Binding in Human Islets, Sample HI 87 (MACS Peak Calls)
- ▶ MAFB Binding in Human Islets, Sample HI 81 (MACS Peak Calls)
- ▶ NKX6-1 Binding in Human Islets, Sample HI 118 (MACS Peak Calls)
- ▶ NKX6-1 Binding in Human Islets, Sample HI 102 (MACS Peak Calls)
- ▶ H2AZ Binding in Human Islets, Sample HI 22 (MACS Peak Calls)
- ▶ H2AZ Binding in Human Islets, Sample HI 32 (MACS Peak Calls)
- ▶ H2AZ Binding in Human Islets, Sample HI 34 (MACS Peak Calls)

### Repositories

Ferrer Lab



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

### Comments

*There are no comments for this entry.*

