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## Transcriptional profiling of mouse pancreatic beta-cells, embryonic stem cells and 10 other normal adult tissues - Study GBCO4135

**Genomics Study Specifications**

<b>Study Name</b>	Transcriptional profiling of mouse pancreatic beta-cells, embryonic stem cells 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
<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, García-Hurtado J, Moran I, Maestro MA, Xu X, Van de Castele M, Skoudy AL, Palasini 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 RNA transcription component of such work. Corresponding RNA microarrays can be found in Array Express under accession ID E-TABM-877.

<b>Platform types</b>	Expression microarray, Expression
<b>Platforms</b>	<a href="#">Show platform Affymetrix Mouse430_2</a>
<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.

**Gene List(s)****Access Status**

 This resource is publicly viewable.

**Request this Resource**

 Request from a repository

Primary contributor: [Ferrer Lab](#)

**Resource Tags**


affymetrix mouse genome 430 2.0 array

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**Resource History & Actions**

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

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No matching resources

**Other Consortia**

No matching resources

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

*There are no gene lists currently available for this study.*

## Genome Browser

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*There are no genome browser tracks currently available for this study.*

## Lists of Locations


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*There are no genomic location datasets currently available for this study.*

## Repositories

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Ferrer Lab

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

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## Comments

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