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## Transcriptional profiling of Insm1-dependent pancreatic endocrine differentiation - Study GBCO4294

**Genomics Study Specifications**

<b>Study Name</b>	Transcriptional profiling of Insm1-dependent pancreatic endocrine differentiation							
<b>Contact Name</b>	<a href="#">Mark Magnuson</a> (Vanderbilt University)							
<b>Publication</b>	Not provided							
<b>My Strategies</b>	<a href="#">Return to My Strategies page</a>							
<b>Classification</b>	Pancreas development and growth; Targets and roles of transcriptional regulators							
<b>Links</b>	 <a href="#">Biomaterials Graph</a>  <a href="#">ArrayExpress</a>							
<b>BCBC Release Date</b>	December 13, 2011							
<b>Citation</b>	<i>unavailable</i>							
<b>Synopsis</b>	<div style="border: 1px solid gray; padding: 5px;"> <table border="1"> <tr> <td style="background-color: #f00; color: white;">Study Description</td> <td>Goals</td> </tr> <tr> <td>Approaches</td> <td>Results</td> <td>Conclusions</td> </tr> <tr> <td colspan="2">Related Studies</td> </tr> </table> <p>This experiment used RNA-Seq technology to explore gene expression in mouse Insm1<sup>GFP/+</sup> [het] FACS sorted pancreatic cells at E15.5 (committed endocrine progenitor cells) and in Insm1<sup>GFP/GFP</sup> [null] at E15.5 (defective endocrine progenitor cells). Comparison of Insm1 +/- and knockout cells revealed a set of differentially expressed genes that are required for the proper activation of hormone and endocrine function-related genetic programs.</p> </div>	Study Description	Goals	Approaches	Results	Conclusions	Related Studies	
Study Description	Goals							
Approaches	Results	Conclusions						
Related Studies								
<b>Platform types</b>	Expression, Expression RNA-Seq							
<b>Platforms</b>	<i>Not available</i>							
<b>Study Design Type</b>	<ul style="list-style-type: none"> <li>genetic_modification_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**

To access the Study Data you must "Request this Resource" (below) and the supplier must fill your Request. Then Beta Cell Genomics will contact you with details on how to access the data.

**Gene List(s)**


To access this study's gene list(s) you must "Request this Resource" (below) and the supplier must fill your Request.

**Repositories****Magnuson Lab**

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

**Stoekert Lab****Access Status**

 This resource is publicly viewable.

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Primary contributor: [Magnuson Lab](#)

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**Resource History & Actions**

Approved on Dec 13, 2011  
Last modified on Jan 17, 2012

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

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**Availability Notes:** *Not provided*

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