

**My Account**

Login  
Create Account

**Resources**

View All (813)

Adenoviruses (137)

Antibodies (175)

Bioimages (67)

Genomics Studies (145)

mESC Lines (68)

Mouse Strains (120)

Miscellaneous (46)

Protocols (55)

Research Data (4)

Resource Tags (389)

Visualization (9)

**Research & Cores**

Core Facilities (5)

Research Highlights (5)

Research Networks

Research Objectives

**Information**

About the BCBC

BCBC Events

Branding & Logos

Career Opportunities

Health

NIH hESC Registry

Policies & Guidelines

Member Publications

Research Programs

Research Investigators

Member Directory

Tutorials

## Transcriptional regulation of endocrine cell differentiation by Insm1 - Study GBCO4674

### Genomics Study Specifications

<b>Study Name</b>	Transcriptional regulation of endocrine cell differentiation by Insm1
<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>	Targets and roles of transcriptional regulators; Pancreas development and growth
<b>Links</b>	<a href="#">Biomaterials Graph</a> <a href="#">ArrayExpress</a>
<b>BCBC Release Date</b>	November 07, 2013
<b>Citation</b>	<i>unavailable</i>
<b>Synopsis</b>	<div style="border: 1px solid gray; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="background-color: #f00; color: white; padding: 2px;">Study Description</div> <div>Goals</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>Approaches</div> <div>Results</div> <div>Conclusions</div> </div> <div style="margin-top: 5px;"> <div style="background-color: #f00; color: white; padding: 2px;">Related Studies</div> </div> </div> <p>This experiment used RNA-Seq technology to explore gene expression in mouse Insm1<sup>GFP</sup>/Pdx1<sup>CFP</sup> HIGH [het/het] FACS sorted pancreatic cells (pre-beta cells) and Insm1<sup>GFP</sup>/Pdx1<sup>CFP</sup> LOW [het/het] cells (other endocrine progenitors) at E15.5 and E18.5. Comparison of Insm1 +/-Pdx HIGH and Insm1 +/-Pdx LOW cells revealed a set of differentially expressed genes that are required for beta cell specification.</p>
<b>Platform types</b>	Expression RNA-Seq, Expression
<b>Platforms</b>	<i>Not available</i>
<b>Study Design Type</b>	<ul style="list-style-type: none"> <li>cell_type_comparison_design</li> <li>development_or_differentiation_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

<b>Magnuson Lab</b>	<div style="display: flex; align-items: center;"> <div style="background-color: #f00; color: white; padding: 5px; margin-right: 10px;">  Request this resource         </div> <div> <b>Stock #:</b> <i>Not provided</i>  <b>Availability Notes:</b> <i>Not provided</i> </div> </div>
<b>Stoeckert Lab</b>	<b>Stock #:</b> <i>Not provided</i>

### Access Status

This resource is publicly viewable.

### Request this Resource

Request from a repository

Primary contributor: [Magnuson Lab](#)

### Resource Tags

Login to edit tags

[Read more about tags](#)

### Resource History & Actions

Approved on Nov 07, 2013  
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.

 Request this resource

**Availability Notes:** *Not provided*

## Comments

*There are no comments for this entry.*

 Login to add comments

[Home](#) · [Your Account](#) · [News & Events](#) · [Resources](#) · [Policies & Guidelines](#) · [About Us](#) · [FAQ](#) · [Site Map](#)

© 2002-2015 Beta Cell Biology Consortium - All Rights Reserved. [Terms of usage and disclaimer.](#)

