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Differential expression of sorted Alpha and Beta cells - Study GBCO3834**Genomics Study Specifications**

Study Name	Differential expression of sorted Alpha and Beta cells
Contact Name	Markus Grompe (Oregon Health and Science University)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/21882062
My Strategies	Return to My Strategies page
Classification	Tissue expression, surveys and comparisons
Links	 Biomaterials Graph  ArrayExpress
BCBC Release Date	May 26, 2010
Public Release Date	July 29, 2011
Citation	Dorrell C, Schug J, Lin CF, Canaday PS, Fox AJ, Smirnova O, Bonnah R, Streeter PR, Stoeckert CJ, Kaestner KH, Grompe M. Transcriptomes of the major human pancreatic cell types . <i>Diabetologia</i> . 2011. 54:2832-44

Synopsis

Study Description	Goals	
Approaches	Results	Conclusions
Related Studies		

The goal of this experiment is to identify genes differentially expressed in FACS-sorted Alpha and Beta cells.

Platform types	Expression microarray, Expression
Platforms	Show platform Agilent Whole Human Genome Microarray 4x44K [G4112F]
Study Design Type	<ul style="list-style-type: none"> cell_type_comparison_design
Study Factors	Show study factors
Study Assays	Show study assays

Access to Study Data


This Study Data is publicly available to all users.

Gene List(s)


Use the following form(s) to refine the parameters and add the gene list to a strategy:

Human alpha versus islet cells	
Fold Change Greater Than:	<input type="text" value="1.5"/>
Confidence Level:	High Confidence <input type="radio"/> All Results <input checked="" type="radio"/>
<i>For a microarray experiment a result with high confidence has a confidence level of at least 80%.</i>	
<i>For a ChIP-chip experiment a result with high confidence has a confidence level of at least 90% and all fold changes are positive.</i>	
Reference (Denominator):	Islet Cells
<input type="button" value="Find Genes"/>	

Access Status

 This resource is publicly viewable.

Request this Resource

 Request from a repository

Primary contributor: [Grompe Lab](#)

Resource Tags


4x44k, agilent whole human genome microarray, batf2, cdx2, hdac9, hopx, hpa1, hpi2, irx2, irx-2, mafb

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 Read more about tags

Resource History & Actions

Approved on May 26, 2010
Last modified on Apr 30, 2012

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Related resources**BCBC**

No matching resources

Other Consortia

No matching resources

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

- ▶ Human beta versus islet cells
- ▶ Human beta versus alpha cells
- ▶ Human beta versus alpha cells (reference design)

Genome Browser

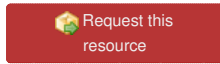
There are no genome browser tracks currently available for this study.

Lists of Locations

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

Repositories

Grompe Lab



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

Comments

There are no comments for this entry.

