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**Detailed transcriptome atlas of the pancreatic beta cell - Study GBCO3627****Genomics Study Specifications**

<b>Study Name</b>	Detailed transcriptome atlas of the pancreatic beta cell
<b>Contact Name</b>	<a href="#">Leroy Hood</a> (Institute for Systems Biology)
<b>Publication</b>	<a href="http://www.ncbi.nlm.nih.gov/pubmed/19146692">http://www.ncbi.nlm.nih.gov/pubmed/19146692</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="#">GEO</a>
<b>BCBC Release Date</b>	April 13, 2009
<b>Public Release Date</b>	April 13, 2009
<b>Citation</b>	Kutlu B, Burdick D, Baxter D, Rasschaert J, Flamez D, Eizirik DL, Welsh N, Goodman N, Hood L. Detailed transcriptome atlas of the pancreatic beta cell. BMC Med Genomics. 2009. 2:3

**Synopsis**

<b>Study Description</b>	Goals
Approaches	Results
Conclusions	
Related Studies	

This experiment was to provide expression profiling of rat INS-1 cells, primary rat beta-cells (>87% beta-cells) and non-beta-cells (<3% beta cells, mostly alpha) that were isolated by FACS mediated purification of two different rat islet preparations.

<b>Platform types</b>	Expression, Expression microarray
<b>Platforms</b>	<a href="#">Show platform Affymetrix GeneChip Rat Genome 230 2.0 Array</a>
<b>Study Design Type</b>	<ul style="list-style-type: none"> <li>cell_type_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)**

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

▼ **Rat beta cells versus alpha cells**

|Fold Change| Greater Than:


Confidence Level: High Confidence  All Results

*For a microarray experiment a result with high confidence has a confidence level of at least 80%.*


*For a ChIP-chip experiment a result with high confidence has a confidence level of at least 90% and all fold changes are positive.*

Reference (Denominator): NA

**Access Status**

 This resource is publicly viewable.

**Request this Resource**


 Request from a repository

Primary contributor: [Stoeckert Lab](#)

**Resource Tags**


Affymetrix GeneChip Rat Genome 230 2.0 Array, GCG, glucagon, INS, insulin, PAX6, somatostatin, SST

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**Resource History & Actions**

Approved on Apr 13, 2009  
Last modified on Jan 17, 2012

 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.

- ▶ Rat beta cells versus INS-1 cells
- ▶ Rat alpha cells versus INS-1 cells

### Genome Browser

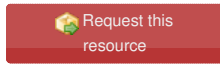
*There are no genome browser tracks currently available for this study.*

### Lists of Locations

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

### Repositories

#### Stoeckert Lab



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

### Comments

*There are no comments for this entry.*

