

**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](#)

**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><br><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. <a href="#">Detailed transcriptome atlas of the pancreatic beta cell</a> . 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

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**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

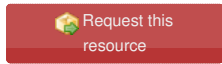
*There are no genome browser tracks currently available for this study.*

### 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.*

