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 profiling of mouse pancreatic beta-cells, embryonic stem cells and 10 other normal adult tissues - Study GBCO4135

Genomics Study Specifications

Study Name	Transcriptional profiling of mouse pancreatic beta-cells, embryonic stem cells and 10 other normal adult tissues
Contact Name	Jorge Ferrer (Hospital Clinic de Barcelona)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/20395405
My Strategies	Return to My Strategies page
Classification	Tissue expression, surveys and comparisons
Links	Biomaterials Graph ArrayExpress
BCBC Release Date	April 19, 2011
Public Release Date	April 19, 2011
Citation	van Arensbergen J, García-Hurtado J, Moran I, Maestro MA, Xu X, Van de Casteele M, Skoudy AL, Palassini M, Heimberg H, Ferrer J. Derepression of Polycomb targets during pancreatic organogenesis allows insulin-producing beta-cells to adopt a neural gene activity program. Genome Res. 2010. 20:722-32
Synopsis	Study Description | Goals | Approaches | Results | Conclusions | Related Studies To gain insights into how pancreatic beta-cells are programmed in vivo, we profiled key histone methylations (H3K4/K27me3) in embryonic stem cells, multipotent progenitors of the nascent embryonic pancreas, purified beta-cells, and 10 other adult tissues (all under normal, untreated conditions). For these cells we also purified RNA to analyze tissue specfic genome wide transcription levels in relation to histone modifications. This study refers to the RNA transcription component of such work. Corresponding RNA microarrays can be found in Array Express under accession ID E-TABM-877.
Platform types	Expression microarray, Expression
Platforms	Show platform Affymetrix Mouse430_2
Study Design Type	• co-expression_design • in_vivo_design • organism_part_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)

Access Status

This resource is publicly viewable.

Request this Resource

Request from a repository

Primary contributor: Ferrer Lab

Resource Tags

affymetrix mouse genome 430 2.0 array

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Resource History & Actions

Approved on Apr 19, 2011
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.

There are no gene lists currently available for this study.

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

Ferrer Lab

Request this resource

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

Comments

There are no comments for this entry.

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