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

Gene expression analysis of control versus VHLH KO islets - Study GBCO3546

Genomics Study Specifications

Study Name	Gene expression analysis of control versus VHLH KO islets
Contact Name	Wilhelm Krek (ETH Zurich)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/19056893
My Strategies	Return to My Strategies page
Classification	Targets and roles of transcriptional regulators; Islet/beta-cell stimulation/injury; Cell stimulation/injury
Links	Biomaterials Graph GEO
BCBC Release Date	February 09, 2009
Public Release Date	February 09, 2009
Citation	Zehetner J, Danzer C, Collins S, Eckhardt K, Gerber PA, Ballschmieter P, Galvanovskis J, Shimomura K, Ashcroft FM, Thorens B, Rorsman P, Krek W. PVHL is a regulator of glucose metabolism and insulin secretion in pancreatic beta cells. Genes Dev. 2008. 22:3135-46
Synopsis	Study Description | Goals | Approaches | Results | Conclusions | Related Studies Transcription profiling of pancreatic islet cells in wild type and von Hippel-Lindau tumor suppressor knock-out mice. Experiment Overall Design: Three batches of isolated islets from each genotype where used for RNA isolation and Affymetrix measurements.
Platform types	Expression microarray, Expression
Platforms	Show platform Affymetrix Mouse430_2
Study Design Type	• genetic_modification_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:

VHLH KO versus Wild Type mouse islets

Access Status

This resource is publicly viewable.

Request this Resource

Request from a repository

Primary contributor: Stoeckert Lab

Resource Tags

Affymetrix Mouse430 2.0, Aldoa, aldolase A, alpha non-neuron, alpha subunit, Eno1, enolase 1, fructose-bisphosphate, Gapdhg, glyceraldehyde-3-phosphate dehydrogenase, Gpi1g, Hif1a, hypoxia inducible factor 1, isoenzyme 1, lactate dehydrogenase A, Ldha, lucose phosphate isomerase 1, member 1, Pdk1, Pgam1, Pgk1, phosphoglycerate kinase 1, phosphoglycerate mutase 1, pyruvate dehydrogenase kinase, Slc2a1, solute carrier family 2 (facilitated glucose transporter), Tpi1, triosephosphate isomerase 1, Vhl, Vhlh, von Hippel-Lindau syndrome

Login to edit tags

Read more about tags

Resource History & Actions

Approved on Feb 09, 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.

|Fold Change| Greater Than: 1.5

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): Wild Type

Find Genes

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

Request this resource

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

Comments

There are no comments for this entry.

Login to add comments