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Survivin transgenic mice pancreatic islet profile - Study GBCO2904

Genomics Study Specifications

Study Name	Survivin transgenic mice pancreatic islet profile
Contact Name	Dario C. Altieri (University of Massachusetts Medical School)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/16470228
My Strategies	Return to My Strategies page
Classification	Pancreas development and growth
Links	Biomaterials Graph ArrayExpress
BCBC Release Date	January 17, 2007
Public Release Date	January 17, 2007
Citation	Dohi T, Salz W, Costa M, Ariyan C, Basadonna GP, Altieri DC. Inhibition of apoptosis by survivin improves transplantation of pancreatic islets for treatment of diabetes in mice. EMBO Rep. 2006. 7:438-43
Synopsis	Study Description | Goals | Approaches | Results | Conclusions | Related Studies Transgenic mice were generated that expressed the inhibitor of apoptosis and mitotic regulator survivin in pancreatic islet beta cells. Control non-transgenic or transgenic islets were then used in a model of islet transplantation in diabetic recipient mice and tested for their ability to correct hyperglycemia and allow long-term engraftment of tranplanted islets in vivo. Control or transgenic islets were analyzed by chip microarray for potential transcriptional changes associated with transgenic expression of survivin, in vivo.
Platform types	Expression, Expression microarray
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:

Survivin transgenic 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, baculoviral IAP repeat-containing 5, Birc5, early growth response 1, Egr1, Egr-1, heat shock protein 1B, Hsp70, Hspa1b, Socs3, SOCS-3, suppressor of cytokine signaling 3, survivin40

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Resource History & Actions

Approved on Jan 17, 2007
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.

|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): NA

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.

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