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Mouse skeletal muscle - controls, streptozotocin diabetes and insulin treated - Study GBCO2335

Genomics Study Specifications

Study Name	Mouse skeletal muscle - controls, streptozotocin diabetes and insulin treated
Contact Name	Ronald C Kahn (Joslin Diabetes Center and Harvard Medical School)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/12149437
My Strategies	Return to My Strategies page
Classification	Cell stimulation/injury
Links	 Biomaterials Graph  ArrayExpress
BCBC Release Date	April 13, 2009
Public Release Date	April 13, 2009
Citation	Yechoor VK, Patti ME, Saccone R, Kahn CR. Coordinated patterns of gene expression for substrate and energy metabolism in skeletal muscle of diabetic mice. Proc Natl Acad Sci U S A. 2002. 99:10587-92

Synopsis

Study Description	Goals
Approaches	Results
Conclusions	
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Metabolic abnormalities underlying diabetes are primarily the result of the lack of adequate insulin action and the associated changes in protein phosphorylation and gene expression. Affymetrix oligonucleotide microarrays were used to study the changes in the transcriptional program of mouse skeletal muscle in insulin-deficient diabetes. Mice which were made diabetic by streptozotocin treatment were compared to controls. Also, the reversibility of these changes was ascertained by treating a subset of the diabetic mice with insulin.

Platform types	Expression microarray, Expression
Platforms	Show platform Affymetrix MG_U74A
Study Design Type	<ul style="list-style-type: none"> compound_treatment_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)


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

Access Status

 This resource is publicly viewable.

Request this Resource

 [Request from a repository](#)

Primary contributor: [Stoeckert Lab](#)

Resource Tags

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Resource History & Actions

Approved on Apr 13, 2009
 Last modified on Aug 02, 2011

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Related resources

BCBC

No matching resources

Other Consortia

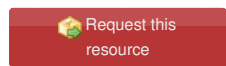
No matching resources

Data courtesy of [dkCOIN](#). Only public resources are displayed.

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

Repositories

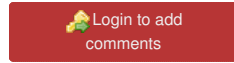
Stoeckert Lab



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

Comments

There are no comments for this entry.



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