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Low and High Fat Diet on Mice of Two Genetic Backgrounds (B6 vs. 129) - Liver - Study GBCO2334

Genomics Study Specifications

Study Name	Low and High Fat Diet on Mice of Two Genetic Backgrounds (B6 vs. 129) - Liver
Contact Name	Ronald C Kahn (Joslin Diabetes Center and Harvard Medical School)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/15855315
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	Biddinger SB, Almind K, Miyazaki M, Kokkotou E, Ntambi JM, Kahn CR. Effects of diet and genetic background on sterol regulatory element-binding protein-1c, stearyl-CoA desaturase 1, and the development of the metabolic syndrome. <i>Diabetes</i> . 2005. 54:1314-23
Synopsis	<div style="border: 1px solid gray; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="background-color: #e0e0e0; padding: 2px;">Study Description</div> <div style="background-color: #e0e0e0; padding: 2px;">Goals</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="background-color: #e0e0e0; padding: 2px;">Approaches</div> <div style="background-color: #e0e0e0; padding: 2px;">Results</div> <div style="background-color: #e0e0e0; padding: 2px;">Conclusions</div> </div> <div style="background-color: #e0e0e0; padding: 2px; margin-top: 5px;">Related Studies</div> </div> <p>Both environmental and genetic factors play important roles in the development of the metabolic syndrome. To elucidate how these factors interact under normal conditions, C57Bl/6 (B6) and 129S6/SvEvTac (129) mice were placed on a low-fat or high-fat diet. Liver samples were extracted and hybridized to Affymetrix Genome U74 (version 2) arrays.</p>
Platform types	Expression microarray, Expression
Platforms	Show platform Affymetrix MG_U74A
Study Design Type	<ul style="list-style-type: none"> • growth_condition_design • strain_or_line_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

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

Access Status

 This resource is publicly viewable.

Request this Resource

 Request from a repository

Primary contributor: [Stoekert Lab](#)

Resource Tags

 Login to edit tags

 [Read more about tags](#)

Resource History & Actions

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

 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.

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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