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Whole transcriptome analysis of Sox17.Epi and Endo cells in mouse embryos - Study GBCO4275

Genomics Study Specifications

Study Name	Whole transcriptome analysis of Sox17.Epi and Endo cells in mouse embryos
Contact Name	Mark Magnuson (Vanderbilt University)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/22865702
My Strategies	Return to My Strategies page
Classification	Pancreas development and growth; Tissue expression, surveys and comparisons
Links	 Biomaterials Graph  ArrayExpress
BCBC Release Date	December 13, 2011
Public Release Date	July 23, 2012
Citation	Choi E, Kraus MR, Lemaire LA, Yoshimoto M, Vemula S, Potter LA, Manduchi E, Stoeckert CJ, Grapin-Botton A, Magnuson MA. Dual lineage-specific expression of Sox17 during mouse embryogenesis . Stem Cells. 2012. 30:2297-308

Synopsis

Study Description	Goals	
Approaches	Results	Conclusions
Related Studies		

This experiment has been done to understand the dynamics of gene expression in Sox17.Epi and Endo cells using multiplex RNA-Seq technology. Sox17.Epi (Sox17^{GFP+EpCAM+}) and Sox17.Endo (Sox17^{GFP+EpCAM-}) cells were isolated by FACS from E9.5 mouse embryos. The spatial comparison between Sox17.Epi versus Sox17.Endo provides insight into which genes are differentially of specifically expressed in two populations.

Platform types	Expression, Expression RNA-Seq
Platforms	<i>Not available</i>
Study Design Type	<ul style="list-style-type: none"> cell_type_comparison_design transcript_identification_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:

▼ [Mouse Sox17.Epi versus Sox17.Endo cells in E9.5 embryos](#)

Access Status

 This resource is publicly viewable.

Request this Resource

 [Request from a repository](#)

Primary contributor: [Magnuson Lab](#)

Resource Tags

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Resource History & Actions

Approved on Dec 13, 2011
Last modified on Nov 20, 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:

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): Endo

Genome Browser

Browse related tracks on the genome browser by clicking on the link(s) below:

[View Tracks for this study in the region near the Onecut1 gene](#)[RNA-Seq Expression Coverage](#)

Lists of Locations

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

Repositories

Magnuson Lab

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

Stoeckert Lab

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

Comments

There are no comments for this entry.

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