Transcriptional profiling of pancreatic developmental intermediates: definitive endoderm, foregut endoderm and pre-pancreatic progenitor cells - Study GBCO4534

Genomics Study Specifications

**Study Name**
Transcriptional profiling of pancreatic developmental intermediates: definitive endoderm, foregut endoderm and pre-pancreatic progenitor cells

**Contact Name**
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**Publication**
Not provided

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**Classification**
Targets and roles of transcriptional regulators; Tissue expression, surveys and comparisons; Pancreas development and growth

**Links**
- Biomaterials Graph
- ArrayExpress

**BCBC Release Date**
November 06, 2012

**Citation**
Unavailable

**Synopsis**

This experiment used RNA-Seq technology to examine transcription profiles of pancreatic developmental intermediates: 1) definitive endoderm (Sox17^GFP/+ [het] cells at E8.5, 8-10 somites); 2) foregut endoderm (Pdx1^CFP/+[het] cells at E9.5) and 3) Ptf1a-positive and Ptf1a-deficient pre-pancreatic endoderm progenitor cells (Ptf1a^YFP/+ [het] cells and Ptf1a^YFP/YFP (ko) cells at E10.5). We anticipate that these datasets will provide valuable new insights into the temporal, spatial and transcription factor-dependent gene expression in pancreatic and pre-pancreatic progenitor cells.

**Platform types**
Expression, Expression RNA-Seq

**Access to Study Data**
To access the Study Data you must "Request this Resource" (below) and the supplier must fill your Request. Then Beta Cell Genomics will contact you with details on how to access the data.

**Gene List(s)**
To access this study's gene list(s) you must "Request this Resource" (below) and the supplier must fill your Request.

**Repositories**