Transcriptional profiling reveals altered biological characteristics of chorionic stem cells from women with gestational diabetes

Figures
Fig. 3

Positively-regulated Canonical Pathways

- Growth factors
- Cell movement
- Cell growth

Negatively-regulated Canonical Pathways

- Degradation process
- Cytokines

Positively-regulated Canonical pathways

- FGF Signaling
- Wnt/β-catenin Signaling
- BMP signaling
- STAT3 pathway

Negatively-regulated Canonical pathways

- Ethanol Degradation
- NRF2-mediated Oxidative Stress Response
- Fatty Acid α-oxidation
- ALDH family genes expression

NRF2-mediated Oxidative Stress Response
**Fig. 4**

- **a** ALDH1A1
- **b** ALDH2
- **c** ALDH3B1

**d** ALDH activity (milliunits/mL)

**e** NQO1, SOD2

**f** Basal level (5 mM glucose) vs. 25 mM glucose treatment 30 min vs. 25 mM glucose treatment 2 h

**g** Healthy CMSCs vs. G-axSCs

**h** ALDH activity

**i** ROS generation