

Supplemental Table 4. Hypomethylated “Top Ranking genes” (n=15) in SGA infants at the age of 12 months.

Gene Symbol	Gene Denomination	Chromosome Location & Number of CPG Islands	Function	<i>P value</i>
* <i>SLC2A8</i>	Solute Carrier Family 2 Member 8	chr9:130158927-130158971	Facilitated glucose transporter	0.001
* <i>CHGA</i>	Chromogranin A	chr14:93389334-93389378	Regulation of insulin sensitivity	0.001
* <i>GAS6</i>	Growth arrest-specific 6	chr13:114537417-114537461	Obesity, inflammation, insulin resistance	0.001
* <i>ONECUT1</i>	One cut homeobox 1	chr15:53083696-53083751	Regulation of β-cell differentiation	0.001
* <i>CTRP1</i>	C1q and tumor necrosis factor related protein 1	chr17:77020067-77020111	Regulation of glucose and lipid metabolism	0.001
* <i>FABP5</i>	Fatty acid binding protein 5	chr8:82192395-82192444	Lipid metabolism	0.001
<i>LMF1</i>	Lipase maturation factor 1	chr16:1021264-1021308	Maturation and transport of LPL	0.001
<i>MIDN</i>	Midnolin	chr19:1248359-1248403	Regulation of glucokinase activity in β-cells	0.001
<i>TM6SF2</i>	Transmembrane 6 superfamily member 2	chr19:19384054-19384098	Lipoprotein metabolism	0.002
<i>ROBO4</i>	Roundabout homolog 4	chr11:124767951-124768010	Regulation of vascular permeability	0.003
* <i>TRAF2</i>	TNF receptor-associated factor 2	chr9:139780737-139780781	Regulation of glucose metabolism	0.004
<i>DNAI2</i>	Dynein axonemal intermediate chain 2	chr17:72270236-72270291	Cilium biogenesis	0.005
<i>PDZRN3</i>	PDZ domain containing ring finger 3	chr3:73674097-73674141	Regulation of adipogenesis	0.006
<i>AFTPH</i>	Aftiphilin	chr2:64751229-64751277	Regulation of membrane trafficking	0.009
<i>MFF</i>	Mitochondrial fission factor	chr2:228190417-228190466	Mitochondrial and peroxisomal fission	0.009

*Selected genes for validation by pyrosequencing.