



Down-regulated genes in F1 islets after HFD tsRNAs injection.

Term	PValue
organic acid metabolic process	4.01E-06
cellular ketone metabolic process	5.28E-06
sulfur metabolic process	8.68E-05
amine metabolic process	0.0011646
cellular amino acid and derivative metabolic process	0.0021185
organic acid transport	0.0074986
amino acid transport	0.0175548
ion transport	0.0215425
amine transport	0.0343651
positive regulation of nitrogen compound metabolic process	0.0508847
tube development	0.0539132
exocrine pancreas development	0.0602212
monosaccharide metabolic process	0.0606985
carbohydrate metabolic process	0.0620222
one-carbon metabolic process	0.062118
positive regulation of metabolic process	0.0817586

Note: Green, Red and Blue color highlight gene clusters related to metabolic process.

Up-regulated genes in F1 islets after HFD tsRNAs injection.

Term	PValue
positive regulation of developmental process	0.0020616
system development	0.0021459
organ development	0.0022807
positive regulation of cell differentiation	0.0045127
regulation of lymphocyte differentiation	0.0054758
regulation of homeostatic process	0.0060195
regulation of multicellular organismal process	0.0080828
regulation of developmental process	0.0081755
regulation of cell differentiation	0.0097205
regulation of immune system process	0.0145136