List of maps and process networks enriched in up-regulated genes

Maps		Process networks	
Unsaturated fatty acid biosynthesis	5.56E-07	Apoptosis_Endoplasmic reticulum stress pathway	0.00137
Glycine, serine, cysteine and threonine metabolism/ Rodent version	1.62E-05	Signal transduction_Leptin signalig	0.00215
Glycine, serine, cysteine and threonine metabolism	1.62E-05	Signal transduction_CREM pathway	0.00378
Aminoacyl-tRNA biosynthesis in cytoplasm/Roden	2.47E-05	Signal transduction_Insulin signaling	0.00591
Aminoacyl-tRNA biosynthesis in cytoplasm	2.47E-05	Proliferation_Positive regulation cell proliferation	0.00855
n-3 Polyunsaturated fatty acid biosynthesis	4.07E-05	Cytoskeleton_Intermediate filaments	0.00875
n-6 Polyunsaturated fatty acid biosynthesis	4.07E-05		
Urea cycle	6.37E-05		
Development_Growth hormone signaling via PI3K/AKT and	0.000472		
Arachidonic acid production	0.00159		
Proline metabolism	0.0019		
Transcription_Receptor- mediated HIF regulation	0.002		

List of maps and process networks enriched in up-regulated proteins

Maps		Process networks		
Aminoacyl-tRNA biosynthesis in cytoplasm/ Rodent version	4.51E-09	Translation_Elongation- Termination	2.61E-17	
Aminoacyl-tRNA biosynthesis in cytoplasm	4.51E-09	Translation_Translation initiation	1.03E-10	
Phenylalanine metabolism/ Rodent version	0.000122	Signal transduction_Insulin signaling	0.000344	
Phenylalanine metabolism	0.000122	Response to hypoxia and	0.00501	
Regulation of lipid metabolism_Insulin	0.000337	Protein folding_Folding in normal condition	0.00613	
metabolism_Insulin regulation of fatty acid Glycine, serine, cysteine		Signal transduction_Androgen receptor nuclear signaling	0.00737	
and threonine metabolism Glycine, serine, cysteine and threonine				
	0.00317			
Oxidative stress_Role of ASK1 under oxidative				
Aspartate and asparagine metabolism	0.00206			
Cell cycle_Role of 14-3-3 proteins in cell cycle regulation				
Development_Lipoxin inhibitory action on PDGF, EGF and LTD4 signaling	0.0027			
Inhibitory action of Lipoxin A4 on PDGF, EGF and LTD4 signaling				