			2
ABC transporters AMPK signaling pathway	1.003	-1.711 0	
AMPK signaling patnway Adrenergic signaling in cardiomyocytes	1.542	0	
Alanine, aspartate and glutamate metabolism	-1.244	0	
Alzheimer disease	1.615	0	
Apelin signaling pathway Ascorbate and aldarate metabolism	1.333	0	
Ascorbate and algarate metabolism Axon guidance	1.182	0	
Biosynthesis of unsaturated fatty acids	5.874	0	
Calcium signaling pathway	1.216	0	1.5
Cardiac muscle contraction	0 1.235	1.157	
Cellular senescence Chemical carcinogenesis	2.129	0 -1.11	
Cholesterol metabolism	2.138	0	
Circadian entrainment	1.105	0	
Citrate cycle (TCA cycle)	4.394	0	
Colorectal cancer Complement and coagulation cascades	1.086 -9.239	0	
Dopaminergic synapse	2.138	0	_ 1
Drug metabolism	1.135	0	
Endocytosis	1.182	0	
Fat digestion and absorption	3.578	0	
Fatty acid biosynthesis Fatty acid elongation	4.645 4.394	0	
Fluid shear stress and atherosclerosis	1.216	0	
Gap junction	1.339	0	
Glucagon signaling pathway	1.339	0	
Glycerolipid metabolism	1.182	-1.096	0.5
Glycolysis / Gluconeogenesis Hedgehog signaling pathway	2.601 1.928	-1.096	
Herpes simplex virus 1 infection	0	-1.591	
Homologous recombination	0	-1.088	
Inositol phosphate metabolism	1.433	0	
Insulin signaling pathway	1.581 1.663	-1.506 0	
Long-term potentiation Maturity onset diabetes of the young	0	-4.24	
Metabolism of xenobiotics by cytochrome P450	1.564	0	
MicroRNAs in cancer	1.11	0	- 0
Mineral absorption	-1.258	0	
Morphine addiction Oocyte meiosis	1.663 2.835	0	
Oxytocin signaling pathway	1.267	0	
PI3K-Akt signaling pathway	1.026	0	
PPAR signaling pathway	1.601	0	
Parkinson disease	1.632 1.339	0	
Pentose and glucuronate interconversions Pentose phosphate pathway	1.564	0	
Phagosome	1.003	0	-0.5
Phosphatidylinositol signaling system	1.513	0	
Prion diseases	-1.244	0	
Propanoate metabolism Proteasome	1.632 2.129	0 -1.11	
Protein export	7.475	0	
Protein processing in endoplasmic reticulum	7.475	-1.477	
Pyruvate metabolism	2.129	-3.039	
Ras signaling pathway	1.297 1.419	0	-1
Renin secretion Retinol metabolism	1.419	0	
Ribosome	-1.244	5.262	
Ribosome biogenesis in eukaryotes	-2.073	2.456	
SNARE interactions in vesicular transport	1.99	0	
Sphingolipid metabolism Sphingolipid signaling pathway	1.003 1.663	0	
Springolipid signaling patriway Spliceosome	-1.258	1.74	
Staphylococcus aureus infection	-4.893	0	
Starch and sucrose metabolism	1.598	0	-1.5
Steroid biosynthesis	1.264	-1.321	
Systemic lupus erythematosus TGF-beta signaling pathway	-4.178 1.41	0	
Terpenoid backbone biosynthesis	2.086	0	
Vascular smooth muscle contraction	1.59	0	
Vitamin digestion and absorption	1.456	0	
Wnt signaling pathway	1.663	0	
cGMP-PKG signaling pathway	1.182	0	
p53 signaling pathway	1.216	0	-2