

Appendix A Screened significantly important pathways according to RNA-seq results

Pathway ID	Pathway	No. of detected genes
ko04330	Notch signaling pathway	58
ko00230	Purine metabolism	174
ko00532	Glycosaminoglycan biosynthesis-chondroitin sulfate	18
ko04974	Protein digestion and absorption	80
ko00350	Tyrosine metabolism	37
ko00980	Metabolism of xenobiotics by cytochrome P450	35
ko04514	Cell adhesion molecules (CAMs)	98
ko00600	Sphingolipid metabolism	65
ko04060	Cytokine-cytokine receptor interaction	102
ko00040	Pentose and glucuronate interconversions	23
ko04973	Carbohydrate digestion and absorption	36
ko00190	Oxidative phosphorylation	62
ko00340	Histidine metabolism	19
ko04630	JAK/STAT signaling pathway	103
ko03050	Proteasome	19
ko00480	Glutathione metabolism	27
ko04540	Gap junction	56
ko04350	TGF-beta signaling pathway	74
ko00140	Steroid hormone biosynthesis	38
ko00260	Glycine, serine and threonine metabolism	31
ko00190	Oxidative phosphorylation	70
ko00250	Alanine, aspartate and glutamate metabolism	22