

S2 Table. Gene Enrichment Scores

Upregulated Genes

Day 3/4; ↑

Gene Classification Group	Score (-log ₁₀)
Splicesome KEGG (cfa03040)	4.28
Ubiquitin Mediated Proteolysis KEGG (cfa04120)	2.12
RNA Degradation KEGG (cfa03018)	1.96
Neutrophin Signaling Pathway KEGG (cfa04722)	1.67
Pathways in Cancer KEGG (cfa05200)	1.57
Adherens Junction KEGG (cfa04520)	1.35

Day 6/7; ↑

Gene Classification Group	Score (-log ₁₀)
Splicesome KEGG (cfa03040)	9.09
Ubiquitin Mediated Proteolysis KEGG (cfa04120)	8.39
Proteasome KEGG (cfa03050)	7.77
Lysosome KEGG (cfa04142)	6.12
RNA Degradation KEGG (cfa03018)	4.47
TGF-Beta Signaling Pathway KEGG (cfa04350)	3.34
Cell Cycle KEGG (cfa04110)	2.98
Colorectal Cancer KEGG (cfa05210)	2.58
p53 Signaling Pathway KEGG (cfa04115)	2.51
Pancreatic Cancer KEGG (cfa05212)	2.39
Wnt Signaling Pathway KEGG (cfa04310)	2.34
Adherens Junction KEGG (cfa04520)	2.30
Aminoacyl-tRNA Biosynthesis KEGG (cfa00970)	2.22
Nucleotide Excision Repair KEGG (cfa03420)	2.22
Oocyte Meiosis KEGG (cfa04114)	2.10
Pathways in Cancer KEGG (cfa05200)	2.02
Focal Adhesion KEGG (cfa04510)	1.76
Toll-Like Receptor Signaling Pathway KEGG (cfa04620)	1.76
Basal Transcription Factors KEGG (cfa03022)	1.49
Pyrimidine Metabolism KEGG (cfa00240)	1.34

Downregulated Genes

Day 3/4; ↓

Gene Classification Group	Score (-log ₁₀)
Phenylalanine, Tyrosine, and Tryptophan Biosynthesis KEGG (cfa00400)	3.13
Phenylalanine Metabolism KEGG (cfa00360)	2.80
Tyrosine Metabolism KEGG (cfa00350)	1.90
PPAR Signaling Pathway KEGG (cfa03320)	1.88

Day 6/7; ↓

Gene Classification Group	Score (-log ₁₀)
Glycerolipid Metabolism KEGG (cfa00561)	1.62
Arachidonic Acid Metabolism KEGG (cfa00590)	1.61
Jak-STAT Signaling Pathway KEGG (cfa04630)	1.51
Complement and Coagulation Cascades KEGG (cfa04610)	1.44
Cytokine-Cytokine Receptor Interaction KEGG (cfa04060)	1.39
Arginine and Proline Metabolism KEGG (cfa00330)	1.31