

Supplementary Table 7. KEGG pathway analyses of top three modules

Term	Count	P value	Genes
Module 1			
hsa05205: Proteoglycans in cancer	3	4.86E-03	TLR4, MMP9, CD44
hsa05134: <i>Legionellosis</i>	2	3.10E-02	CXCL1, TLR4
hsa05132: <i>Salmonella</i> infection	2	4.74E-02	CXCL1, TLR4
Module 2			
hsa05161: Hepatitis B	4	7.02E-04	PTK2B, PIK3R1, TLR4, MMP9
hsa05205: Proteoglycans in cancer	4	1.79E-03	PIK3R1, TLR4, MMP9, CD44
hsa05142: Chagas disease (American trypanosomiasis)	3	7.60E-03	TLR6, PIK3R1, TLR4
hsa04620: Toll-like receptor signaling pathway	3	7.89E-03	TLR6, PIK3R1, TLR4
hsa04668: TNF signaling pathway	3	8.04E-03	CXCL1, PIK3R1, MMP9
hsa04670: Leukocyte transendothelial migration	3	9.24E-03	PTK2B, PIK3R1, MMP9
hsa04650: Natural killer cell mediated cytotoxicity	3	1.04E-02	PTK2B, GZMB, PIK3R1
hsa05162: Measles	3	1.22E-02	IL2RB, PIK3R1, TLR4
hsa05202: Transcriptional misregulation in cancer	3	1.89E-02	IL2RB, GZMB, MMP9
hsa04062: Chemokine signaling pathway	3	2.31E-02	PTK2B, CXCL1, PIK3R1
Module 3			
hsa05161: Hepatitis B	5	3.64E-04	CASP9, PTK2B, PIK3R1, TLR4, MMP9
hsa04670: Leukocyte transendothelial migration	4	2.61E-03	NCF4, PTK2B, PIK3R1, MMP9
hsa05202: Transcriptional misregulation in cancer	4	7.44E-03	ZBTB16, IL2RB, GZMB, MMP9
hsa05134: <i>Legionellosis</i>	3	7.63E-03	CASP9, CXCL1, TLR4
hsa04151: PI3K-Akt signaling pathway	5	8.80E-03	CASP9, CSF3R, IL2RB, PIK3R1, TLR4
hsa05205: Proteoglycans in cancer	4	1.22E-02	PIK3R1, TLR4, MMP9, CD44

KEGG, Kyoto Encyclopedia of Genes and Genomes; TNF, tumor necrosis factor; PI3K, phosphoinositide 3-kinase.