S2 Fig.

				0.4	24
IPA canonical pathway	D2	D7	D30		
Granulocyte Adhesion and Diapedesis Communication between Innate and Adaptive Immune Cells	21.9 17.2	21.7 24.4	21.3 16.4		
Role of Pattern Recognition Receptors in Recognition of Bacteria and Viruses	17.2	23.1	10.4		
Crosstalk between Dendritic Cells and Natural Killer Cells	17.4	21.3	9.8		
Dendritic Cell Maturation TREM1 Signaling	13.0 14.9	22.6 22.8	12.2 7.7		
Type I Diabetes Mellitus Signaling	11.2	22.3	11.4		
Agranulocyte Adhesion and Diapedesis *Altered T Cell and B Cell Signaling in Rheumatoid Arthritis	13.9 10.4	15.6 20.5	15.4 8.9		
*Antigen Presentation Pathway	6.8	13.8	17.7		
*iCOS-iCOSL Signaling in T Helper Cells *T Helper Cell Differentiation	3.6 9.1	18.9 18.8	13.4 6.9		
*Allograft Rejection Signaling	9.6	13.3	11.1		
Interferon Signaling	14.9	13.3	4.4		
*Graft-versus-Host Disease Signaling OX40 Signaling Pathway	8.5 4.6	14.9 12.1	8.8 13.2		
*CD28 Signaling in T Helper Cells	1.4	17.7	10.7		
phagosome formation Autoimmune Thyroid Disease Signaling	3.6 7.3	16.2 12.2	9.4 9.8		
Leukocyte Extravasation Signaling	1.8	10.9	15.5		
Activation of IRF by Cytosolic Pattern Recognition Receptors Natural Killer Cell Signaling	13.1 1.9	8.4 15.8	5.5 9.2		
Role of Macrophages, Fibroblasts and Endothelial Cells in Rheumatoid Arthritis	9.0	12.0	5.8		
Hepatic Fibrosis / Hepatic Stellate Cell Activation *Role of NFAT in Regulation of the Immune Response	10.2	8.0 15.0	8.5 9.7		
Tec Kinase Signaling	6.0	13.9	5.6		
Systemic Lupus Erythematosus Signaling	5.5	11.1	8.6		
Atherosclerosis Signaling *PKC_Signaling in T Lymphocytes	9.3 1.4	7.5 13.2	7.8 9.8		
NF-kappaB Signaling	8.1	10.8	3.9		
Death Receptor Signaling Cdc42 Signaling	9.2 1.7	10.9 10.3	2.1 9.2		
*Cytotoxic T Lymphocyte-mediated Apoptosis of Target Cells	5.2	11.1	4.6		
Primary Immunodeficiency Signaling *CTLA4 Signaling in Cytotoxic T Lymphocytes	2.9 1.6	10.9 12.2	6.3 6.0		
Toll-like Receptor Signaling	8.0	9.2	2.5		
Fc_ Receptor-mediated Phagocytosis in Macrophages and Monocytes	2.3	8.6	8.2		
Role of JAK1 and JAK3 in _c Cytokine Signaling *T Cell Receptor Signaling	6.2	10.4 11.7	2.2 6.2		
Pathogenesis of Multiple Sclerosis	5.4	6.5	6.5		
Role of Hypercytokinemia/hyperchemokinemia in the Pathogenesis of Influenza IL-10 Signaling	9.0 6.4	5.9 9.4	2.8 1.9		
Production of Nitric Oxide and Reactive Oxygen Species in Macrophages	3.5	8.6	4.8		
Tumoricidal Function of Hepatic Natural Killer Cells Induction of Apoptosis by HIV1	6.3 5.6	7.9 7.9	2.0 2.2		
MSP-RON Signaling Pathway	3.2	8.5	3.6		
Role of PKR in Interferon Induction and Antiviral Response	6.4	6.4	2.2		
B Cell Development Complement System	0.9	7.2 7.7	6.7 6.3		
NF-kappaB Activation by Viruses	2.0	6.6	5.9		
TNFR2 Signaling Differential Regulation of Cytokine Production in Macrophages and T Helper Cells by IL-17A and IL-17F	5.6 6.1	5.8 5.4	2.7 2.3		
B Cell Receptor Signaling		8.3	4.3		
*Nur77 Signaling in T Lymphocytes Colorectal Cancer Metastasis Signaling	0.5 3.5	8.1 6.2	4.9 3.6		
LXR/RXR Activation	6.8	4.2	1.9		
IL-15 Signaling Acute Phase Response Signaling	5.1 7.5	6.4 4.6	1.4 0.6		
+Calcium-induced T Lymphocyte Apoptosis	7.5	6.3	6.2		
IL-12 Signaling and Production in Macrophages IL-15 Production	6.3	3.8	2.3		
TWEAK Signaling	5.9 4.1	5.1 6.2	1.6		
HMGB1 Signaling	3.9	5.8	2.1		
Retinoic acid Mediated Apoptosis Signaling iNOS Signaling	6.8 4.8	3.4 4.0	1.4 2.7		
CCR5 Signaling in Macrophages	2.0	5.8	3.3		
IL-9 Signaling Differential Regulation of Cytokine Production in Intestinal Epithelial Cells by IL-17A and IL-17F	4.1 5.3	6.2 3.6	2.0		
IL-4 Signaling	3.3	7.1	3.1		
TNFR1 Signaling Role of IL-17A in Arthritis	3.8 4.2	6.4 3.4	0.6 3.2		
Neuroprotective Role of THOP1 in Alzheimer's Disease	4.2	2.0	3.6		
Apoptosis Signaling	3.9	5.5			
Lymphotoxin _ Receptor Signaling Phospholipase C Signaling	2.7	6.5 6.5	3.0		
PI3K Signaling in B Lymphocytes	1.6	5.7	3.0		
IL-8 Signaling Role of Tissue Factor in Cancer	2.1 3.0	4.5 4.3	3.6 2.9		
Fc Epsilon RI Signaling	0.5	4.8	4.9		
Caveolar-mediated Endocytosis Signaling Glucocorticoid Receptor Signaling	3.1	4.4 4.5	5.0 2.5		
Role of JAK1, JAK2 and TYK2 in Interferon Signaling	5.1	4.5	2.3		
GM-CSF Signaling	2.4	4.4	2.9		
Role of RIG1-like Receptors in Antiviral Innate Immunity IL-6 Signaling	5.0 4.7	2.7 4.1	2.0		
CD40 Signaling	3.0	4.2	2.1		
Reelin Signaling in Neurons Role of JAK family kinases in IL-6-type Cytokine Signaling	6.1	3.5 2.5	4.7		
Role of IL-17F in Allergic Inflammatory Airway Diseases	4.2	2.7	2.0		
Virus Entry via Endocytic Pathways JAK/Stat Signaling	3.3	4.5 4.5	4.1 0.4		
IL-2 Signaling	2.1	5.0	1.1		
fMLP Signaling in Neutrophils	0.8	4.8	2.2		
Integrin Signaling Fc_RIIB Signaling in B Lymphocytes		5.1 5.0	2.3 2.0		
Oncostatin M Signaling	5.0	1.3			
Hematopoiesis from Pluripotent Stem Cells Sphingosine-1-phosphate Signaling	1.1	4.5 4.9	1.8 0.4		
Role of Cytokines in Mediating Communication between Immune Cells	4.2	1.6			
Regulation of Actin-based Motility by Rho		4.6	1.0		