

A

Gene Name	Average Activation/Inhibition Score	Average log2 FDE Va14DP/Va14	Average (-log P)
ICOS	-2.21	-2.326	5.63
IL4	-1.88	-2.316	10.49
ZBTB16	-2.21	-1.600	6.19
IFNG	-2.83	-1.514	5.22
IL21	-1.95	-1.089	10.55
GATA3	-2.29	-0.826	6.00
ITK	-2.82	-0.721	16.78
IL2	-3.49	-0.323	10.91
TNF	-3.18	-0.143	6.06
TGFB1	-1.57	0.120	9.15
STAT5A	-1.10	0.304	8.83
IL15	-3.05	1.152	8.47
IL18	-2.75	1.271	5.85
TBX21	-0.16	-2.320	7.61
Klra7	-0.25	-1.795	4.48
CREBBF	0.20	-0.355	6.92
RUNX1	0.39	-0.241	6.92
STAT3	-0.64	0.103	6.65
Tcf7	0.59	0.388	4.40
FOXP3	0.16	0.973	8.31
TIGIT	-0.58	2.485	5.67
ID2	1.69	-2.518	12.63
CD28	3.03	-0.783	9.16
BACH2	1.61	0.169	5.74
ID3	2.02	0.250	12.36
CTLA4	1.93	2.206	5.88

B

Ingenuity Canonical Pathway	-log P Thymus	-log P Spleen	No. of Genes
T Helper Cell Differentiation	3.19	6.62	8
Crosstalk between Dendritic Cells and Natural Killer Cells	NS	2.68	4
Role of Cytokines in Immune Cell Communication	NS	2.37	3
Hematopoiesis from Pluripotent/Multipotent Stem Cells	2.23	NS	3
PTEN Signaling	2.22	NS	5
Protein Kinase A Signaling	NS	2.04	7
Hepatic Fibrosis and Hepatic Stellate Cell Activation	4.89	2.29	10
Pattern Recognition Receptors in Recognition of Pathogens	2.85	3.01	8
Altered T-Cell and B-Cell Signaling in Rheumatoid Arthritis	2.77	1.79	6
Nitric Oxide Signaling in the Cardiovascular System	NS	2.50	5
Autoimmune Thyroid Disease Signaling	1.97	1.48	3
Osteoblasts/clasts and Chondrocytes in Rheumatoid Arthritis	NS	1.97	7
Hepatic Cholestasis	1.68	1.78	7
Allograft Rejection Signaling	1.31	1.84	4
Glutamate Receptor Signaling	NS	2.30	3
Stearate Biosynthesis I (Animals)	NS	2.88	3
PPAR Signaling	1.89	NS	4

C

