

Supplemental Table 1. Enrichment values

	Sig. SNP set	Full IL SNP set	Sig. SNP set	Full IL SNP set	
Kegg Pathway	#genes	#genes	adjP-value	adjP-value	Fold Enrichment
NOD-like receptor signaling pathway	4	4	6.01E-09	1.28E-07	21.30
Cytosolic DNA-sensing pathway	3	3	8.45E-07	1.07E-05	12.66
Prion diseases	3	3	2.46E-07	2.66E-06	10.81
Osteoclast differentiation	3	3	9.67E-06	0.0001	10.34
Pathways in cancer	2	2	0.0042	0.0229	5.45
MAPK signaling pathway	3	4	7.45E-05	4.34E-05	0.58
Toll-like receptor signaling pathway	4	5	4.29E-08	1.94E-08	0.45
Rheumatoid arthritis	5	6	2.73E-10	1.19E-10	0.44
Apoptosis	4	5	2.51E-08	9.35E-09	0.37
Malaria	5	6	2.78E-11	3.92E-12	0.14
RIG-I-like receptor signaling pathway	2	3	0.0002	2.09E-05	0.10
Graft-versus-host disease	3	4	3.73E-07	3.66E-08	0.10
Toxoplasmosis	3	5	1.00E-05	6.31E-08	0.01
Leishmaniasis	4	6	1.29E-08	3.07E-11	2.38E-03
Type I diabetes mellitus	3	5	4.02E-07	2.68E-10	6.67E-04
African trypanosomiasis	4	6	9.89E-10	5.09E-13	5.15E-04
Amoebiasis	5	8	4.74E-10	4.14E-14	8.73E-05
Chagas disease (American trypanosomiasis)	4	7	4.29E-08	2.90E-12	6.76E-05
Allograft rejection	2	6	6.72E-05	6.38E-13	9.49E-09
Intestinal immune network for IgA production	2	7	0.0001	2.33E-14	2.33E-10
Hematopoietic cell lineage	5	11	2.73E-10	9.81E-22	3.59E-12
Jak-STAT signaling pathway	5	21	2.32E-09	6.57E-44	2.83E-35
Cytokine-cytokine receptor interaction	11	28	6.78E-22	3.29E-58	4.85E-37