Supplementary Data

Supplementary Table 1

This table shows the inflammatory gene set as defined by the Gene Ontology (GO) project (www.geneontology.org). N refers to the number of genes in the pathway

GO - Pathway Name	N[genes]	N[genes in data]	%
Activation of immune response	17	12	70.6
Acute inflammatory response	11	5	45.5
Adaptive immune response	25	14	56.0
Adaptive immune response go 0002460	24	13	54.2
Antigen binding	28	15	53.6
B cell activation	19	13	68.4
Chemokine activity	42	15	35.7
Cytokine activity	111	38	34.2
Cytokine and chemokine mediated signaling pathway	23	13	56.5
Cytokine binding	46	33	71.7
Cytokine biosynthetic process	40	24	60.0
Cytokine metabolic process	41	25	61.0
Cytokine production	72	46	63.9
Cytokine secretion	18	10	55.6
Cytokinesis	19	8	42.1
Humoral immune response	31	17	54.8
Immune effector process	38	22	57.9
Immune response	232	149	64.2
Immune system development	80	52	65.0
Immune system process	326	218	66.9
Immunological synapse	11	9	81.8
Inflammatory response	124	81	65.3
Innate immune response	23	8	34.8
Interleukin 1 secretion	10	8	80.0
Jak stat cascade	31	23	74.2
Jnk cascade	47	32	68.1
Leukocyte activation	67	42	62.7
Lymphocyte activation	60	38	63.3
Negative regulation of cytokine biosynthetic process	11	5	45.5
Negative regulation of immune system process	14	7	50.0
Nuclear speck	11	7	63.6
Positive regulation of cytokine biosynthetic process	24	16	66.7
Positive regulation of cytokine production	15	11	73.3
Positive regulation of cytokine secretion	10	6	60.0
Positive regulation of immune response	29	16	55.2
Positive regulation of immune system process	51	31	60.8
Production of molecular mediator of immune response	13	7	53.8
Regulation of cytokine biosynthetic process	37	22	59.5
Regulation of cytokine production	25	16	64.0
Regulation of cytokine secretion	16	8	50.0
Regulation of immune effector process	15	9	60.0
Regulation of immune response	33	16	48.5
Regulation of immune system process	67	41	61.2
T cell activation	44	27	61.4
	2031	1228	Mean = 59%