

	#	ID	Name	p-value	FDR B&H	FDR B&Y	Bonferroni	Gene name
CLUSTER 1	1	GO: 0001848	Complement binding	4.367E-5	1.278E-2	8.305E-2	1.629E-2	<i>C4A, C4B, MEGF10</i>
	2	GO: 0030666	Endocytic vesicle membrane	7.544E-5	8.847E-3	5.379E-2	1.848E-2	<i>IRGM, HLA-A, CD36, CD74, TAP2</i>
	3	REACTOME: 1269310	Cytokine Signaling in Immune	2.267E-6	3.502E-4	2.453E-3	1.401E-3	<i>USP18, TRIM25, CSF1, CSF2RB, GBP4, HLA-A, CXCL10, SUMO1, CD36, PSMB8, GBP2, SAMHD1, TRIM5</i>
CLUSTER 2	1	GO:2000404	Regulation of T cell migration	1.250E-5	3.722E-2	3.192E-1	3.722E-2	<i>CCR2, AIF1, CXCL12, AIRE, APP</i>
	2	Immgen.org, GSE15907: GSM854294	Myeloid Cells DC.II+480lo.PC, F4/80lo MHC II+ CD11c+ CD115+, Peritoneal Cavity, avg-3	5.971E-10	1.489E-6	1.251E-5	1.489E-6	<i>PLBD1, HLA-DQA1, HLA-DQB1, ITGAM, CCR2, CSF1R, CYP4F3, RASSF4, APP</i>
CLUSTER 3	1	MSigDb: M8838	Immune (humoral) and inflammatory response	1.383E-6	3.984E-4	2.487E-3	3.984E-4	<i>PLBD1, CD52, HLA-DQA1, HLA-DQB1, MGLL, DBP, ITGAM, GSTM1, DEFA3, CSF1R, CD53, AIF1, PLEK</i>
	2	GO:0042611	MHC protein complex	2.153E-4	1.283E-2	8.053E-2	6.415E-2	<i>HLA-DQA1, HLA-DQB1, MR1</i>

Supplementary Table 1: Pathway signature of the 3 clusters based on Topfun pipeline