

Supplementary Table. Clustering of the STRING protein-protein interaction network.

Cluster name	Cluster colour	Gene count	Protein names
Cluster_1	Red	22	LILRB3, LAT2, NFAM1, LILRA6, BTK, HCK, GAB2, CSF2RB, FCGR1B, DUSP3, LILRA5, FCER1A, LYN, SYK, CSF2RA, PLCG2, CREG1, CSF3R, FCGR2A, DDX3Y, PIK3AP1, CLEC4E
Cluster_2	Salmon	16	FCN1, TYROBP, SIRPA, FGL2, LILRA1, CD300LF, PILRA, PTX3, TREM1, MNDA, CD300E, CD300C, CD14, FGR, CSF1R, SIRPB1
Cluster_3	Cornflower Blue	14	S100A9, CD36, CD68, LY96, TLR8, TLR2, HMOX1, CLEC7A, TNFSF13B, CD86, CLEC4A, TLR7, S100A8, IRAK3, ,
Cluster_4	Orchid	9	RNASE3, RNASE2, DEFA4, CEACAM8, PGLYRP1, OLFM4, BPI, CLC, MS4A3
Cluster_5	Violet (2)	8	HLA-DRA, HLA-DRB1, DCTN6, HLA-DQB1, IFI30, HLA-DMA, HLA-DMB, GRN
Cluster_6	Violet	5	FPR2, FPR1, PLAUR, CCR1, C5AR1, ,
Cluster_7	Purple	4	CHI3L1, NLRP3, IL18, LCN2
Cluster_8	Pink	3	PTAFR, ICAM1, IRF8
Cluster_9	Brown	3	FCER1G, FCAR, CLEC4D
Cluster_10	Sandy Brown	3	S100A12, QPCT, GCA
Cluster_11	Yellow	3	TIMP2, TCN1, MMP8
Cluster_12	Light Coral	3	NLRP12, MEFV, PYCARD
Cluster_13	Dark Golden Rod	3	PPBP, CFD, F13A1
Cluster_14	Pale Violet Red	3	NFKBIE, NFKBIA, CARD11
Cluster_15	Medium Slate Blue (2)	2	ALOX5, LTA4H
Cluster_16	Light Green	2	CD33, ANPEP
Cluster_17	Sky Blue	2	RNASE6, LY86
Cluster_18	Green	2	IFNGR2, PRKCD
Cluster_19	Blue	2	CST3, CPPED1
Cluster_20	Olive	2	CTSZ, SLC11A1
Cluster_21	Green Yellow	2	NCF2, NCF4
Cluster_22	Sky Blue (2)	2	DEFA1B, DEFA3
Cluster_23	Medium Purple (2)	1	LTF
Cluster_24	Medium Slate Blue	1	LGALS3
Cluster_25	Medium Purple	1	CYBB

Clusters of proteins encoded by up-regulated genes from CD4⁺CD8⁺ double-positive T-cells in GPA extracted from the STRING protein-protein interaction network by Markov Clustering (MCL) Algorithm.