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Supplemental table 3: GSEA (Figure 4B&C, Figure 5A&B)

Figure 4B: Immunoregulatory molecules, stimulatory

NAME	PROBE	DESCRIPTION (from dataset)	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
row_0	SELP	selectin P [Source:HGNC Symbol;Acc:HGNC:10721]	SELP	selectin P [Source:HGNC Symbol;Acc:HGNC:10721]	158	1.041440248	0.08885493	Yes
row_1	CD40LG	CD40 ligand [Source:HGNC Symbol;Acc:HGNC:11935]	CD40LG	CD40 ligand [Source:HGNC Symbol;Acc:HGNC:11935]	404	0.75878495	0.14717077	Yes
row_2	ICOS	inducible T cell costimulator [Source:HGNC Symbol;Acc:HGNC:5351]	ICOS	inducible T cell costimulator [Source:HGNC Symbol;Acc:HGNC:5351]	604	0.649174452	0.1975872	Yes
row_3	PRF1	perforin 1 [Source:HGNC Symbol;Acc:HGNC:9360]	PRF1	perforin 1 [Source:HGNC Symbol;Acc:HGNC:9360]	660	0.625475645	0.2529252	Yes
row_4	CX3CL1	C-X3-C motif chemokine ligand 1 [Source:HGNC Symbol;Acc:HGNC:10647]	CX3CL1	C-X3-C motif chemokine ligand 1 [Source:HGNC Symbol;Acc:HGNC:10647]	733	0.599943995	0.30505255	Yes
row_5	CXCL9	C-X-C motif chemokine ligand 9 [Source:HGNC Symbol;Acc:HGNC:7098]	CXCL9	C-X-C motif chemokine ligand 9 [Source:HGNC Symbol;Acc:HGNC:7098]	739	0.598658085	0.36037394	Yes
row_6	IL1A	interleukin 1 alpha [Source:HGNC Symbol;Acc:HGNC:5991]	IL1A	interleukin 1 alpha [Source:HGNC Symbol;Acc:HGNC:5991]	750	0.593991816	0.41501492	Yes
row_7	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:3363]	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:3363]	1174	0.482021391	0.43883827	Yes
row_8	TNFRSF14	TNF receptor superfamily member 14 [Source:HGNC Symbol;Acc:HGNC:11912]	TNFRSF14	TNF receptor superfamily member 14 [Source:HGNC Symbol;Acc:HGNC:11912]	1310	0.455552906	0.4744474	Yes
row_9	CCL5	C-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:10632]	CCL5	C-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:10632]	1598	0.411140084	0.49841708	Yes
row_10	CD80	CD80 molecule [Source:HGNC Symbol;Acc:HGNC:1700]	CD80	CD80 molecule [Source:HGNC Symbol;Acc:HGNC:1700]	1846	0.380512863	0.52152205	Yes
row_11	ICAM1	intercellular adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:5344]	ICAM1	intercellular adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:5344]	1903	0.374123812	0.55347955	Yes
row_12	IL1B	interleukin 1 beta [Source:HGNC Symbol;Acc:HGNC:5992]	IL1B	interleukin 1 beta [Source:HGNC Symbol;Acc:HGNC:5992]	1940	0.370093644	0.58605206	Yes
row_13	CD27	CD27 molecule [Source:HGNC Symbol;Acc:HGNC:11922]	CD27	CD27 molecule [Source:HGNC Symbol;Acc:HGNC:11922]	2248	0.337506056	0.6021978	Yes
row_14	IL2	interleukin 2 [Source:HGNC Symbol;Acc:HGNC:6001]	IL2	interleukin 2 [Source:HGNC Symbol;Acc:HGNC:6001]	2602	0.306911737	0.6132289	Yes
row_15	GZMA	granzyme A [Source:HGNC Symbol;Acc:HGNC:4708]	GZMA	granzyme A [Source:HGNC Symbol;Acc:HGNC:4708]	2727	0.298296958	0.63478523	Yes
row_16	CD40	CD40 molecule [Source:HGNC Symbol;Acc:HGNC:11919]	CD40	CD40 molecule [Source:HGNC Symbol;Acc:HGNC:11919]	3180	0.267568529	0.6372685	Yes
row_17	BTN3A2	butyrophilin subfamily 3 member A2 [Source:HGNC Symbol;Acc:HGNC:1139]	BTN3A2	butyrophilin subfamily 3 member A2 [Source:HGNC Symbol;Acc:HGNC:1139]	3239	0.264137	0.6589179	Yes
row_18	IL2RA	interleukin 2 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:6008]	IL2RA	interleukin 2 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:6008]	3952	0.220106766	0.64413774	No
row_19	CXCL10	C-X-C motif chemokine ligand 10 [Source:HGNC Symbol;Acc:HGNC:10637]	CXCL10	C-X-C motif chemokine ligand 10 [Source:HGNC Symbol;Acc:HGNC:10637]	4691	0.188260242	0.6251157	No
row_20	HMGB1	high mobility group box 1 [Source:HGNC Symbol;Acc:HGNC:4983]	HMGB1	high mobility group box 1 [Source:HGNC Symbol;Acc:HGNC:4983]	5662	0.143668994	0.5904814	No
row_21	TNFSF4	TNF superfamily member 4 [Source:HGNC Symbol;Acc:HGNC:11934]	TNFSF4	TNF superfamily member 4 [Source:HGNC Symbol;Acc:HGNC:11934]	6135	0.127080873	0.57893527	No
row_22	TLR4	toll like receptor 4 [Source:HGNC Symbol;Acc:HGNC:11850]	TLR4	toll like receptor 4 [Source:HGNC Symbol;Acc:HGNC:11850]	6515	0.11139065	0.5705319	No
row_23	IFNG	interferon gamma [Source:HGNC Symbol;Acc:HGNC:5438]	IFNG	interferon gamma [Source:HGNC Symbol;Acc:HGNC:5438]	6559	0.109801538	0.57859737	No
row_24	TNFRSF4	TNF receptor superfamily member 4 [Source:HGNC Symbol;Acc:HGNC:11918]	TNFRSF4	TNF receptor superfamily member 4 [Source:HGNC Symbol;Acc:HGNC:11918]	6831	0.100655936	0.5745385	No
row_25	CD28	CD28 molecule [Source:HGNC Symbol;Acc:HGNC:1653]	CD28	CD28 molecule [Source:HGNC Symbol;Acc:HGNC:1653]	7804	0.068711452	0.53284764	No
row_26	BTN3A1	butyrophilin subfamily 3 member A1 [Source:HGNC Symbol;Acc:HGNC:1138]	BTN3A1	butyrophilin subfamily 3 member A1 [Source:HGNC Symbol;Acc:HGNC:1138]	8583	0.046999086	0.49873534	No
row_27	ITGB2	integrin subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:6155]	ITGB2	integrin subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:6155]	9467	0.025260989	0.45741266	No
row_28	TNFRSF9	TNF receptor superfamily member 9 [Source:HGNC Symbol;Acc:HGNC:11924]	TNFRSF9	TNF receptor superfamily member 9 [Source:HGNC Symbol;Acc:HGNC:11924]	9857	0.016657563	0.4397214	No
row_29	ICOSLG	inducible T cell costimulator ligand [Source:HGNC Symbol;Acc:HGNC:17087]	ICOSLG	inducible T cell costimulator ligand [Source:HGNC Symbol;Acc:HGNC:17087]	13077	-0.044954892	0.28470328	No
row_30	IFNA1	interferon alpha 1 [Source:HGNC Symbol;Acc:HGNC:5417]	IFNA1	interferon alpha 1 [Source:HGNC Symbol;Acc:HGNC:5417]	14994	-0.092214093	0.1985098	No
row_31	TNFRSF18	TNF receptor superfamily member 18 [Source:HGNC Symbol;Acc:HGNC:11914]	TNFRSF18	TNF receptor superfamily member 18 [Source:HGNC Symbol;Acc:HGNC:11914]	16789	-0.152721271	0.12396605	No
row_32	TNFSF9	TNF superfamily member 9 [Source:HGNC Symbol;Acc:HGNC:11939]	TNFSF9	TNF superfamily member 9 [Source:HGNC Symbol;Acc:HGNC:11939]	18195	-0.223602712	0.075239085	No
row_33	IFNA2	interferon alpha 2 [Source:HGNC Symbol;Acc:HGNC:5423]	IFNA2	interferon alpha 2 [Source:HGNC Symbol;Acc:HGNC:5423]	19007	-0.285883874	0.06166859	No

Figure 4B: Immunoregulatory molecules, inhibitory

NAME	PROBE	DESCRIPTION (from dataset)	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
row_0	BTLA	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	409	0.754250228	0.08161617	Yes
row_1	KIR2DL3	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 3 [Source:HGNC Symbol;Acc:HGNC:6331]	KIR2DL3	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 3 [Source:HGNC Symbol;Acc:HGNC:6331]	620	0.640599251	0.15772383	Yes
row_2	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:6059]	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:6059]	675	0.620913684	0.23888394	Yes
row_3	EDNRB	endothelin receptor type B [Source:HGNC Symbol;Acc:HGNC:3180]	EDNRB	endothelin receptor type B [Source:HGNC Symbol;Acc:HGNC:3180]	742	0.596684694	0.3161798	Yes
row_4	CTLA4	cytotoxic T-lymphocyte associated protein 4 [Source:HGNC Symbol;Acc:HGNC:2505]	CTLA4	cytotoxic T-lymphocyte associated protein 4 [Source:HGNC Symbol;Acc:HGNC:2505]	764	0.590109169	0.39481205	Yes
row_5	KIR2DL1	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 1 [Source:HGNC Symbol;Acc:HGNC:6329]	KIR2DL1	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 1 [Source:HGNC Symbol;Acc:HGNC:6329]	1380	0.442918509	0.42421418	Yes
row_6	IL10	interleukin 10 [Source:HGNC Symbol;Acc:HGNC:5962]	IL10	interleukin 10 [Source:HGNC Symbol;Acc:HGNC:5962]	1475	0.42860207	0.4774335	Yes
row_7	PDCD1	programmed cell death 1 [Source:HGNC Symbol;Acc:HGNC:8760]	PDCD1	programmed cell death 1 [Source:HGNC Symbol;Acc:HGNC:8760]	2045	0.359036148	0.4977843	Yes
row_8	CD274	CD274 molecule [Source:HGNC Symbol;Acc:HGNC:17635]	CD274	CD274 molecule [Source:HGNC Symbol;Acc:HGNC:17635]	2056	0.357981741	0.54562086	Yes
row_9	TIGIT	T cell immunoreceptor with Ig and ITIM domains [Source:HGNC Symbol;Acc:HGNC:26838]	TIGIT	T cell immunoreceptor with Ig and ITIM domains [Source:HGNC Symbol;Acc:HGNC:26838]	2149	0.347541839	0.5879952	Yes
row_10	ADORA2A	adenosine A2a receptor [Source:HGNC Symbol;Acc:HGNC:263]	ADORA2A	adenosine A2a receptor [Source:HGNC Symbol;Acc:HGNC:263]	2289	0.334045768	0.6262244	Yes
row_11	LAG3	lymphocyte activating 3 [Source:HGNC Symbol;Acc:HGNC:6476]	LAG3	lymphocyte activating 3 [Source:HGNC Symbol;Acc:HGNC:6476]	3741	0.231541127	0.5857701	No
row_12	HAVCR2	hepatitis A virus cellular receptor 2 [Source:HGNC Symbol;Acc:HGNC:18437]	HAVCR2	hepatitis A virus cellular receptor 2 [Source:HGNC Symbol;Acc:HGNC:18437]	5839	0.137729719	0.5007222	No
row_13	SLAMF7	SLAM family member 7 [Source:HGNC Symbol;Acc:HGNC:21394]	SLAMF7	SLAM family member 7 [Source:HGNC Symbol;Acc:HGNC:21394]	10442	0.003868475	0.27379432	No
row_14	VEGFB	vascular endothelial growth factor B [Source:HGNC Symbol;Acc:HGNC:12681]	VEGFB	vascular endothelial growth factor B [Source:HGNC Symbol;Acc:HGNC:12681]	12336	-0.028632689	0.18409997	No
row_15	CD276	CD276 molecule [Source:HGNC Symbol;Acc:HGNC:19137]	CD276	CD276 molecule [Source:HGNC Symbol;Acc:HGNC:19137]	14612	-0.081334628	0.08264082	No
row_16	TGFB1	transforming growth factor beta 1 [Source:HGNC Symbol;Acc:HGNC:11766]	TGFB1	transforming growth factor beta 1 [Source:HGNC Symbol;Acc:HGNC:11766]	15015	-0.092753075	0.0752948	No
row_17	IL13	interleukin 13 [Source:HGNC Symbol;Acc:HGNC:5973]	IL13	interleukin 13 [Source:HGNC Symbol;Acc:HGNC:5973]	17989	-0.210105643	-0.043277193	No
row_18	IL4	interleukin 4 [Source:HGNC Symbol;Acc:HGNC:6014]	IL4	interleukin 4 [Source:HGNC Symbol;Acc:HGNC:6014]	18119	-0.217833698	-0.02024338	No
row_19	VEGFA	vascular endothelial growth factor A [Source:HGNC Symbol;Acc:HGNC:12680]	VEGFA	vascular endothelial growth factor A [Source:HGNC Symbol;Acc:HGNC:12680]	18726	-0.2597408	-0.01512707	No
row_20	ARG1	arginase 1 [Source:HGNC Symbol;Acc:HGNC:663]	ARG1	arginase 1 [Source:HGNC Symbol;Acc:HGNC:663]	18729	-0.260334998	0.01992168	No
row_21	VTCN1	V-set domain containing T cell activation inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28873]	VTCN1	V-set domain containing T cell activation inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28873]	19864	-0.410349846	0.019275604	No

Figure 4C: IFN-γ-responsive genes

NAME	PROBE	DESCRIPTION (from dataset)	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
row_0	CD2	CD2 molecule [Source:HGNC Symbol;Acc:HGNC:1639]	CD2	CD2 molecule [Source:HGNC Symbol;Acc:HGNC:1639]	338	0.81752032	0.11184395	Yes
row_1	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:6059]	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:6059]	675	0.620913684	0.1928725	Yes
row_2	CD3D	CD3d molecule [Source:HGNC Symbol;Acc:HGNC:1673]	CD3D	CD3d molecule [Source:HGNC Symbol;Acc:HGNC:1673]	1049	0.509594262	0.25456896	Yes
row_3	CD3E	CD3e molecule [Source:HGNC Symbol;Acc:HGNC:1674]	CD3E	CD3e molecule [Source:HGNC Symbol;Acc:HGNC:1674]	1156	0.485649347	0.32569402	Yes
row_4	IL2RG	interleukin 2 receptor subunit gamma [Source:HGNC Symbol;Acc:HGNC:6010]	IL2RG	interleukin 2 receptor subunit gamma [Source:HGNC Symbol;Acc:HGNC:6010]	1202	0.477844357	0.39860612	Yes
row_5	CCL5	C-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:10632]	CCL5	C-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:10632]	1598	0.411140084	0.44373465	Yes
row_6	GZMK	granzyme K [Source:HGNC Symbol;Acc:HGNC:4711]	GZMK	granzyme K [Source:HGNC Symbol;Acc:HGNC:4711]	1721	0.396147728	0.49999592	Yes
row_7	CXCR6	C-X-C motif chemokine receptor 6 [Source:HGNC Symbol;Acc:HGNC:16647]	CXCR6	C-X-C motif chemokine receptor 6 [Source:HGNC Symbol;Acc:HGNC:16647]	1921	0.372139543	0.54867727	Yes
row_8	NKG7	natural killer cell granule protein 7 [Source:HGNC Symbol;Acc:HGNC:7830]	NKG7	natural killer cell granule protein 7 [Source:HGNC Symbol;Acc:HGNC:7830]	1972	0.3669357	0.6039031	Yes
row_9	GZMB	granzyme B [Source:HGNC Symbol;Acc:HGNC:4709]	GZMB	granzyme B [Source:HGNC Symbol;Acc:HGNC:4709]	2541	0.311110198	0.62475437	Yes
row_10	TAGAP	T cell activation RhoGTPase activating protein [Source:HGNC Symbol;Acc:HGNC:15669]	TAGAP	T cell activation RhoGTPase activating protein [Source:HGNC Symbol;Acc:HGNC:15669]	2633	0.304097295	0.6680736	Yes
row_11	CIITA	class II major histocompatibility complex transactivator [Source:HGNC Symbol;Acc:HGNC:7067]	CIITA	class II major histocompatibility complex transactivator [Source:HGNC Symbol;Acc:HGNC:7067]	2937	0.28276509	0.6975627	Yes
row_12	LAG3	lymphocyte activating 3 [Source:HGNC Symbol;Acc:HGNC:6476]	LAG3	lymphocyte activating 3 [Source:HGNC Symbol;Acc:HGNC:6476]	3741	0.231541127	0.69429016	Yes
row_13	HLA-E	major histocompatibility complex, class I, E [Source:HGNC Symbol;Acc:HGNC:4962]	HLA-E	major histocompatibility complex, class I, E [Source:HGNC Symbol;Acc:HGNC:4962]	4689	0.188324198	0.6771066	Yes
row_14	CXCL10	C-X-C motif chemokine ligand 10 [Source:HGNC Symbol;Acc:HGNC:10637]	CXCL10	C-X-C motif chemokine ligand 10 [Source:HGNC Symbol;Acc:HGNC:10637]	4691	0.188260242	0.706659	Yes
row_15	HLA-DRA	major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947]	HLA-DRA	major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947]	4879	0.180236191	0.7257587	Yes
row_16	CXCL13	C-X-C motif chemokine ligand 13 [Source:HGNC Symbol;Acc:HGNC:10639]	CXCL13	C-X-C motif chemokine ligand 13 [Source:HGNC Symbol;Acc:HGNC:10639]	6437	0.114768982	0.66686654	No
row_17	STAT1	signal transducer and activator of transcription 1 [Source:HGNC Symbol;Acc:HGNC:11362]	STAT1	signal transducer and activator of transcription 1 [Source:HGNC Symbol;Acc:HGNC:11362]	6825	0.100759901	0.66358656	No

Figure 5A: CSF1R response

NAME	PROBE	DESCRIPTION (from dataset)	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
row_0	FGR	FGR proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3697]	FGR	FGR proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3697]	269	0.875330389	0.019228237	Yes
row_1	PTPRC	protein tyrosine phosphatase receptor type C [Source:HGNC Symbol;Acc:HGNC:9666]	PTPRC	protein tyrosine phosphatase receptor type C [Source:HGNC Symbol;Acc:HGNC:9666]	301	0.847390532	0.049227457	Yes
row_2	IL7R	interleukin 7 receptor [Source:HGNC Symbol;Acc:HGNC:6024]	IL7R	interleukin 7 receptor [Source:HGNC Symbol;Acc:HGNC:6024]	424	0.74314326	0.07083096	Yes
row_3	CD52	CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804]	CD52	CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804]	442	0.731454551	0.09721011	Yes
row_4	RASSF2	Ras association domain family member 2 [Source:HGNC Symbol;Acc:HGNC:9883]	RASSF2	Ras association domain family member 2 [Source:HGNC Symbol;Acc:HGNC:9883]	566	0.660181224	0.11567637	Yes
row_5	IKZF1	IKAROS family zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:13176]	IKZF1	IKAROS family zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:13176]	695	0.613123596	0.13214314	Yes

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row_6	BTK	Bruton tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:1133]	BTK	Bruton tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:1133]	713	0.607016444	0.15389104	Yes
row_7	SP140	SP140 nuclear body protein [Source:HGNC Symbol;Acc:HGNC:17133]	SP140	SP140 nuclear body protein [Source:HGNC Symbol;Acc:HGNC:17133]	729	0.600710273	0.17550348	Yes
row_8	SELL	selectin L [Source:HGNC Symbol;Acc:HGNC:10720]	SELL	selectin L [Source:HGNC Symbol;Acc:HGNC:10720]	869	0.555233777	0.18926987	Yes
row_9	ARHGAP15	Rho GTPase activating protein 15 [Source:HGNC Symbol;Acc:HGNC:21030]	ARHGAP15	Rho GTPase activating protein 15 [Source:HGNC Symbol;Acc:HGNC:21030]	1007	0.52025342	0.20183364	Yes
row_10	GIMAP4	GTPase, IMAP family member 4 [Source:HGNC Symbol;Acc:HGNC:21872]	GIMAP4	GTPase, IMAP family member 4 [Source:HGNC Symbol;Acc:HGNC:21872]	1047	0.510560989	0.21889997	Yes
row_11	APOC1	apolipoprotein C1 [Source:HGNC Symbol;Acc:HGNC:607]	APOC1	apolipoprotein C1 [Source:HGNC Symbol;Acc:HGNC:607]	1048	0.509734154	0.2378709	Yes
row_12	CD8A	CD8a molecule [Source:HGNC Symbol;Acc:HGNC:1706]	CD8A	CD8a molecule [Source:HGNC Symbol;Acc:HGNC:1706]	1102	0.495453745	0.25368023	Yes
row_13	NCF2	neutrophil cytosolic factor 2 [Source:HGNC Symbol;Acc:HGNC:7661]	NCF2	neutrophil cytosolic factor 2 [Source:HGNC Symbol;Acc:HGNC:7661]	1115	0.491931021	0.27139306	Yes
row_14	IL18	interleukin 18 [Source:HGNC Symbol;Acc:HGNC:5986]	IL18	interleukin 18 [Source:HGNC Symbol;Acc:HGNC:5986]	1144	0.488047868	0.2881674	Yes
row_15	CD48	CD48 molecule [Source:HGNC Symbol;Acc:HGNC:1683]	CD48	CD48 molecule [Source:HGNC Symbol;Acc:HGNC:1683]	1181	0.480812877	0.30427545	Yes
row_16	DAPK1	death associated protein kinase 1 [Source:HGNC Symbol;Acc:HGNC:2674]	DAPK1	death associated protein kinase 1 [Source:HGNC Symbol;Acc:HGNC:2674]	1293	0.458508402	0.31583148	Yes
row_17	VSIG4	V-set and immunoglobulin domain containing 4 [Source:HGNC Symbol;Acc:HGNC:17032]	VSIG4	V-set and immunoglobulin domain containing 4 [Source:HGNC Symbol;Acc:HGNC:17032]	1314	0.454135001	0.33174068	Yes
row_18	CCRL2	C-C motif chemokine receptor like 2 [Source:HGNC Symbol;Acc:HGNC:1612]	CCRL2	C-C motif chemokine receptor like 2 [Source:HGNC Symbol;Acc:HGNC:1612]	1326	0.451222688	0.3479881	Yes
row_19	CASP1	caspase 1 [Source:HGNC Symbol;Acc:HGNC:1499]	CASP1	caspase 1 [Source:HGNC Symbol;Acc:HGNC:1499]	1330	0.450417072	0.36460254	Yes
row_20	FCGR1A	Fc fragment of IgG receptor Ia [Source:HGNC Symbol;Acc:HGNC:3613]	FCGR1A	Fc fragment of IgG receptor Ia [Source:HGNC Symbol;Acc:HGNC:3613]	1394	0.440219611	0.37785992	Yes
row_21	FMNL1	formin like 1 [Source:HGNC Symbol;Acc:HGNC:1212]	FMNL1	formin like 1 [Source:HGNC Symbol;Acc:HGNC:1212]	1480	0.42786032	0.3895656	Yes
row_22	CCL2	C-C motif chemokine ligand 2 [Source:HGNC Symbol;Acc:HGNC:10618]	CCL2	C-C motif chemokine ligand 2 [Source:HGNC Symbol;Acc:HGNC:10618]	1570	0.415491492	0.4006124	Yes
row_23	LYZ	lysozyme [Source:HGNC Symbol;Acc:HGNC:6740]	LYZ	lysozyme [Source:HGNC Symbol;Acc:HGNC:6740]	1575	0.41439113	0.41583645	Yes
row_24	FGL2	fibrinogen like 2 [Source:HGNC Symbol;Acc:HGNC:3696]	FGL2	fibrinogen like 2 [Source:HGNC Symbol;Acc:HGNC:3696]	1596	0.411305994	0.43015164	Yes
row_25	CCL5	C-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:10632]	CCL5	C-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:10632]	1598	0.411140084	0.44540355	Yes
row_26	PIK3CG	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma [Source:HGNC Symbol;Acc:HGNC:8978]	PIK3CG	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma [Source:HGNC Symbol;Acc:HGNC:8978]	1636	0.405798346	0.45867014	Yes
row_27	MNDA	myeloid cell nuclear differentiation antigen [Source:HGNC Symbol;Acc:HGNC:7183]	MNDA	myeloid cell nuclear differentiation antigen [Source:HGNC Symbol;Acc:HGNC:7183]	1671	0.401566684	0.47192812	Yes
row_28	CORO1A	coronin 1A [Source:HGNC Symbol;Acc:HGNC:2252]	CORO1A	coronin 1A [Source:HGNC Symbol;Acc:HGNC:2252]	1772	0.390341014	0.48149303	Yes
row_29	PLEK	pleckstrin [Source:HGNC Symbol;Acc:HGNC:9070]	PLEK	pleckstrin [Source:HGNC Symbol;Acc:HGNC:9070]	1814	0.384677082	0.49377504	Yes
row_30	MYO1F	myosin IF [Source:HGNC Symbol;Acc:HGNC:7600]	MYO1F	myosin IF [Source:HGNC Symbol;Acc:HGNC:7600]	1902	0.374146193	0.5033823	Yes
row_31	ALOX5AP	arachidonate 5-lipoxygenase activating protein [Source:HGNC Symbol;Acc:HGNC:436]	ALOX5AP	arachidonate 5-lipoxygenase activating protein [Source:HGNC Symbol;Acc:HGNC:436]	2126	0.35051465	0.50536114	Yes
row_32	SLC7A7	solute carrier family 7 member 7 [Source:HGNC Symbol;Acc:HGNC:11065]	SLC7A7	solute carrier family 7 member 7 [Source:HGNC Symbol;Acc:HGNC:11065]	2141	0.349071473	0.5176579	Yes
row_33	TNFRSF1B	TNF receptor superfamily member 1B [Source:HGNC Symbol;Acc:HGNC:11917]	TNFRSF1B	TNF receptor superfamily member 1B [Source:HGNC Symbol;Acc:HGNC:11917]	2162	0.346082985	0.52954566	Yes
row_34	SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1 [Source:HGNC Symbol;Acc:HGNC:10528]	SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1 [Source:HGNC Symbol;Acc:HGNC:10528]	2213	0.340843081	0.5397496	Yes
row_35	IFI30	IFI30 lysosomal thiol reductase [Source:HGNC Symbol;Acc:HGNC:5398]	IFI30	IFI30 lysosomal thiol reductase [Source:HGNC Symbol;Acc:HGNC:5398]	2338	0.328899652	0.54583687	Yes
row_36	HLA-DMA	major histocompatibility complex, class II, DM alpha [Source:HGNC Symbol;Acc:HGNC:4934]	HLA-DMA	major histocompatibility complex, class II, DM alpha [Source:HGNC Symbol;Acc:HGNC:4934]	2472	0.316638052	0.5510211	Yes
row_37	FNBP1	formin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17069]	FNBP1	formin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17069]	2545	0.310823768	0.5590161	Yes
row_38	TNFSF13B	TNF superfamily member 13b [Source:HGNC Symbol;Acc:HGNC:11929]	TNFSF13B	TNF superfamily member 13b [Source:HGNC Symbol;Acc:HGNC:11929]	2707	0.299512476	0.5621735	Yes
row_39	ARRB2	arrestin beta 2 [Source:HGNC Symbol;Acc:HGNC:712]	ARRB2	arrestin beta 2 [Source:HGNC Symbol;Acc:HGNC:712]	3050	0.275575846	0.55545783	Yes
row_40	FCGR3A	Fc fragment of IgG receptor IIIa [Source:HGNC Symbol;Acc:HGNC:3619]	FCGR3A	Fc fragment of IgG receptor IIIa [Source:HGNC Symbol;Acc:HGNC:3619]	3157	0.268719673	0.56019855	Yes
row_41	LILRB4	leukocyte immunoglobulin like receptor B4 [Source:HGNC Symbol;Acc:HGNC:6608]	LILRB4	leukocyte immunoglobulin like receptor B4 [Source:HGNC Symbol;Acc:HGNC:6608]	3455	0.249318048	0.55473876	Yes
row_42	PLCG2	phospholipase C gamma 2 [Source:HGNC Symbol;Acc:HGNC:9066]	PLCG2	phospholipase C gamma 2 [Source:HGNC Symbol;Acc:HGNC:9066]	3471	0.248286515	0.563235	Yes
row_43	CD163	CD163 molecule [Source:HGNC Symbol;Acc:HGNC:1631]	CD163	CD163 molecule [Source:HGNC Symbol;Acc:HGNC:1631]	3553	0.242476955	0.5682396	Yes
row_44	SAMHD1	SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:15925]	SAMHD1	SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:15925]	3642	0.237184614	0.5727	Yes
row_45	CYBB	cytochrome b-245 beta chain [Source:HGNC Symbol;Acc:HGNC:2578]	CYBB	cytochrome b-245 beta chain [Source:HGNC Symbol;Acc:HGNC:2578]	3660	0.236399323	0.5806545	Yes
row_46	LCP1	lymphocyte cytosolic protein 1 [Source:HGNC Symbol;Acc:HGNC:6528]	LCP1	lymphocyte cytosolic protein 1 [Source:HGNC Symbol;Acc:HGNC:6528]	3702	0.234047025	0.58733046	Yes
row_47	NPL	N-acetylneuraminate pyruvate lyase [Source:HGNC Symbol;Acc:HGNC:16781]	NPL	N-acetylneuraminate pyruvate lyase [Source:HGNC Symbol;Acc:HGNC:16781]	3750	0.230631426	0.59358156	Yes
row_48	DOCK2	dedicator of cytokinesis 2 [Source:HGNC Symbol;Acc:HGNC:2988]	DOCK2	dedicator of cytokinesis 2 [Source:HGNC Symbol;Acc:HGNC:2988]	3768	0.229736745	0.60128814	Yes
row_49	RUNX3	RUNX family transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:10473]	RUNX3	RUNX family transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:10473]	3987	0.218722716	0.5986101	Yes
row_50	EVI2B	ecotropic viral integration site 2B [Source:HGNC Symbol;Acc:HGNC:3500]	EVI2B	ecotropic viral integration site 2B [Source:HGNC Symbol;Acc:HGNC:3500]	4438	0.199230805	0.5836935	Yes
row_51	LAIR1	leukocyte associated immunoglobulin like receptor 1 [Source:HGNC Symbol;Acc:HGNC:6477]	LAIR1	leukocyte associated immunoglobulin like receptor 1 [Source:HGNC Symbol;Acc:HGNC:6477]	4535	0.195276067	0.58619714	Yes
row_52	HCLS1	hematopoietic cell-specific Lyn substrate 1 [Source:HGNC Symbol;Acc:HGNC:4844]	HCLS1	hematopoietic cell-specific Lyn substrate 1 [Source:HGNC Symbol;Acc:HGNC:4844]	4571	0.193725988	0.5916702	Yes
row_53	TLR2	toll like receptor 2 [Source:HGNC Symbol;Acc:HGNC:11848]	TLR2	toll like receptor 2 [Source:HGNC Symbol;Acc:HGNC:11848]	4588	0.192760393	0.59805024	Yes
row_54	CD53	CD53 molecule [Source:HGNC Symbol;Acc:HGNC:1686]	CD53	CD53 molecule [Source:HGNC Symbol;Acc:HGNC:1686]	4618	0.191538528	0.6037397	Yes
row_55	LRMP	lymphoid restricted membrane protein [Source:HGNC Symbol;Acc:HGNC:6690]	LRMP	lymphoid restricted membrane protein [Source:HGNC Symbol;Acc:HGNC:6690]	4629	0.191043362	0.6103535	Yes
row_56	MPP1	membrane palmitoylated protein 1 [Source:HGNC Symbol;Acc:HGNC:7219]	MPP1	membrane palmitoylated protein 1 [Source:HGNC Symbol;Acc:HGNC:7219]	4693	0.188199729	0.6142314	Yes
row_57	HCK	HCK proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:4840]	HCK	HCK proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:4840]	4849	0.18171975	0.6133026	Yes
row_58	TBXAS1	thromboxane A synthase 1 [Source:HGNC Symbol;Acc:HGNC:11609]	TBXAS1	thromboxane A synthase 1 [Source:HGNC Symbol;Acc:HGNC:11609]	4870	0.180685848	0.61903477	Yes
row_59	CD86	CD86 molecule [Source:HGNC Symbol;Acc:HGNC:1705]	CD86	CD86 molecule [Source:HGNC Symbol;Acc:HGNC:1705]	4897	0.179106906	0.6244104	Yes
row_60	NPC2	NPC intracellular cholesterol transporter 2 [Source:HGNC Symbol;Acc:HGNC:14537]	NPC2	NPC intracellular cholesterol transporter 2 [Source:HGNC Symbol;Acc:HGNC:14537]	4993	0.175019905	0.62620974	Yes
row_61	B2M	beta-2-microglobulin [Source:HGNC Symbol;Acc:HGNC:914]	B2M	beta-2-microglobulin [Source:HGNC Symbol;Acc:HGNC:914]	5021	0.17392841	0.631343	Yes
row_62	TNFAIP3	TNF alpha induced protein 3 [Source:HGNC Symbol;Acc:HGNC:11896]	TNFAIP3	TNF alpha induced protein 3 [Source:HGNC Symbol;Acc:HGNC:11896]	5230	0.165817067	0.6271922	No
row_63	LCP2	lymphocyte cytosolic protein 2 [Source:HGNC Symbol;Acc:HGNC:6529]	LCP2	lymphocyte cytosolic protein 2 [Source:HGNC Symbol;Acc:HGNC:6529]	5304	0.161711499	0.629588	No
row_64	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:HGNC:4948]	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:HGNC:4948]	5580	0.148057759	0.6214514	No
row_65	CTSS	cathepsin S [Source:HGNC Symbol;Acc:HGNC:2545]	CTSS	cathepsin S [Source:HGNC Symbol;Acc:HGNC:2545]	5606	0.146721795	0.6256713	No
row_66	LY86	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	5810	0.138611287	0.6207561	No
row_67	LYN	LYN proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:6735]	LYN	LYN proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:6735]	6073	0.130076438	0.6125954	No
row_68	CTSC	cathepsin C [Source:HGNC Symbol;Acc:HGNC:2528]	CTSC	cathepsin C [Source:HGNC Symbol;Acc:HGNC:2528]	6127	0.127722874	0.61471874	No
row_69	FCER1G	Fc fragment of IgE receptor Ig [Source:HGNC Symbol;Acc:HGNC:3611]	FCER1G	Fc fragment of IgE receptor Ig [Source:HGNC Symbol;Acc:HGNC:3611]	6248	0.121978223	0.6133034	No
row_70	RASSF4	Ras association domain family member 4 [Source:HGNC Symbol;Acc:HGNC:20793]	RASSF4	Ras association domain family member 4 [Source:HGNC Symbol;Acc:HGNC:20793]	6256	0.121717326	0.617486	No
row_71	C1orf54	chromosome 1 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:26258]	C1orf54	chromosome 1 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:26258]	6355	0.117832147	0.61700815	No
row_72	LST1	leukocyte specific transcript 1 [Source:HGNC Symbol;Acc:HGNC:14189]	LST1	leukocyte specific transcript 1 [Source:HGNC Symbol;Acc:HGNC:14189]	6397	0.116428897	0.6193067	No
row_73	FLI1	Fli-1 proto-oncogene, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:3749]	FLI1	Fli-1 proto-oncogene, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:3749]	6702	0.104799956	0.6081209	No
row_74	IL10RA	interleukin 10 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:5964]	IL10RA	interleukin 10 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:5964]	7202	0.087690137	0.58662146	No
row_75	ADCY7	adenylate cyclase 7 [Source:HGNC Symbol;Acc:HGNC:238]	ADCY7	adenylate cyclase 7 [Source:HGNC Symbol;Acc:HGNC:238]	7951	0.064420924	0.5518993	No
row_76	APOE	apolipoprotein E [Source:HGNC Symbol;Acc:HGNC:613]	APOE	apolipoprotein E [Source:HGNC Symbol;Acc:HGNC:613]	8217	0.056794845	0.5408624	No
row_77	SELPLG	selectin P ligand [Source:HGNC Symbol;Acc:HGNC:10722]	SELPLG	selectin P ligand [Source:HGNC Symbol;Acc:HGNC:10722]	8658	0.044892151	0.52069795	No
row_78	CD33	CD33 molecule [Source:HGNC Symbol;Acc:HGNC:1659]	CD33	CD33 molecule [Source:HGNC Symbol;Acc:HGNC:1659]	9118	0.033228062	0.4991566	No
row_79	LAPTM5	lysosomal protein transmembrane 5 [Source:HGNC Symbol;Acc:HGNC:29612]	LAPTM5	lysosomal protein transmembrane 5 [Source:HGNC Symbol;Acc:HGNC:29612]	9257	0.030170396	0.49343118	No
row_80	MSN	moesin [Source:HGNC Symbol;Acc:HGNC:7373]	MSN	moesin [Source:HGNC Symbol;Acc:HGNC:7373]	9365	0.027556947	0.48914686	No
row_81	ITGB2	integrin subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:6155]	ITGB2	integrin subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:6155]	9467	0.025260989	0.48507485	No
row_82	CTSL	cathepsin L [Source:HGNC Symbol;Acc:HGNC:2537]	CTSL	cathepsin L [Source:HGNC Symbol;Acc:HGNC:2537]	9885	0.016085137	0.46497974	No
row_83	CXCR4	C-X-C motif chemokine receptor 4 [Source:HGNC Symbol;Acc:HGNC:2561]	CXCR4	C-X-C motif chemokine receptor 4 [Source:HGNC Symbol;Acc:HGNC:2561]	10456	0.003611726	0.43682772	No
row_84	MERTK	MER proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:7027]	MERTK	MER proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:7027]	11240	-0.004928768	0.3981545	No
row_85	GPNMB	glycoprotein nmb [Source:HGNC Symbol;Acc:HGNC:4462]	GPNMB	glycoprotein nmb [Source:HGNC Symbol;Acc:HGNC:4462]	11349	-0.007213405	0.39306343	No
row_86	FCGR2A	Fc fragment of IgG receptor IIa [Source:HGNC Symbol;Acc:HGNC:3616]	FCGR2A	Fc fragment of IgG receptor IIa [Source:HGNC Symbol;Acc:HGNC:3616]	11368	-0.007614374	0.39245358	No
row_87	CD84	CD84 molecule [Source:HGNC Symbol;Acc:HGNC:1704]	CD84	CD84 molecule [Source:HGNC Symbol;Acc:HGNC:1704]	11690	-0.014492803	0.3770632	No
row_88	SYK	spleen associated tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:11491]	SYK	spleen associated tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:11491]	11795	-0.016718382	0.3725244	No
row_89	LHFPL2	LHFPL tetraspan subfamily member 2 [Source:HGNC Symbol;Acc:HGNC:6588]	LHFPL2	LHFPL tetraspan subfamily member 2 [Source:HGNC Symbol;Acc:HGNC:6588]	12117	-0.023766838	0.3574792	No
row_90	GNPTAB	N-acetylglucosamine-1-phosphate transferase subunits alpha and beta [Source:HGNC Symbol;Acc:HGNC:29670]	GNPTAB	N-acetylglucosamine-1-phosphate transferase subunits alpha and beta [Source:HGNC Symbol;Acc:HGNC:29670]	12660	-0.035655782	0.3319093	No
row_91	CPVL	carboxypeptidase vitellogenic like [Source:HGNC Symbol;Acc:HGNC:14399]	CPVL	carboxypeptidase vitellogenic like [Source:HGNC Symbol;Acc:HGNC:14399]	13069	-0.044844661	0.31333116	No
row_92	WIPF1	WAS/WASL interacting protein family member 1 [Source:HGNC Symbol;Acc:HGNC:12736]	WIPF1	WAS/WASL interacting protein family member 1 [Source:HGNC Symbol;Acc:HGNC:12736]	13181	-0.047112029	0.30957612	No
row_93	IFI16	interferon gamma inducible protein 16 [Source:HGNC Symbol;Acc:HGNC:5395]	IFI16	interferon gamma inducible protein 16 [Source:HGNC Symbol;Acc:HGNC:5395]	13184	-0.047429461	0.31124207	No
row_94	FCGR2B	Fc fragment of IgG receptor IIb [Source:HGNC Symbol;Acc:HGNC:3618]	FCGR2B	Fc fragment of IgG receptor IIb [Source:HGNC Symbol;Acc:HGNC:3618]	13362	-0.051379118	0.30437058	No
row_95	NCKAP1L	NCK associated protein 1 like [Source:HGNC Symbol;Acc:HGNC:4862]	NCKAP1L	NCK associated protein 1 like [Source:HGNC Symbol;Acc:HGNC:4862]	13472	-0.053923711	0.30096832	No
row_96	SLC1A3	solute carrier family 1 member 3 [Source:HGNC Symbol;Acc:HGNC:10941]	SLC1A3	solute carrier family 1 member 3 [Source:HGNC Symbol;Acc:HGNC:10941]	13991	-0.066057809	0.2777209	No
row_97	SH2B3	SH2B adaptor protein 3 [Source:HGNC Symbol;Acc:HGNC:29605]	SH2B3	SH2B adaptor protein 3 [Source:HGNC Symbol;Acc:HGNC:29605]	14075	-0.067941554	0.2761306	No
row_98	EVI2A	ecotropic viral integration site 2A [Source:HGNC Symbol;Acc:HGNC:3499]	EVI2A	ecotropic viral integration site 2A [Source:HGNC Symbol;Acc:HGNC:3499]	14778	-0.086015396	0.24449487	No

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row_99	OSBPL3	oxysterol binding protein like 3 [Source:HGNC Symbol;Acc:HGNC:16370]	OSBPL3	oxysterol binding protein like 3 [Source:HGNC Symbol;Acc:HGNC:16370]	15164	-0.097462974	0.22901642	No
row_100	C3AR1	complement C3a receptor 1 [Source:HGNC Symbol;Acc:HGNC:1319]	C3AR1	complement C3a receptor 1 [Source:HGNC Symbol;Acc:HGNC:1319]	15333	-0.102581769	0.22449718	No
row_101	CSF1R	colony stimulating factor 1 receptor [Source:HGNC Symbol;Acc:HGNC:2433]	CSF1R	colony stimulating factor 1 receptor [Source:HGNC Symbol;Acc:HGNC:2433]	15677	-0.112941019	0.21167906	No
row_102	AMPD3	adenosine monophosphate deaminase 3 [Source:HGNC Symbol;Acc:HGNC:470]	AMPD3	adenosine monophosphate deaminase 3 [Source:HGNC Symbol;Acc:HGNC:470]	17718	-0.19536978	0.117714524	No
row_103	RNASE6	ribonuclease A family member k6 [Source:HGNC Symbol;Acc:HGNC:10048]	RNASE6	ribonuclease A family member k6 [Source:HGNC Symbol;Acc:HGNC:10048]	18111	-0.217258349	0.10634717	No

Figure 5B: Classical dendritic cells type 1

NAME	PROBE	DESCRIPTION (from dataset)	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
row_0	TLR8	toll like receptor 8 [Source:HGNC Symbol;Acc:HGNC:15632]	TLR8	toll like receptor 8 [Source:HGNC Symbol;Acc:HGNC:15632]	655	0.626866639	0.11496253	Yes
row_1	TLR3	toll like receptor 3 [Source:HGNC Symbol;Acc:HGNC:11849]	TLR3	toll like receptor 3 [Source:HGNC Symbol;Acc:HGNC:11849]	1031	0.513293028	0.21706735	Yes
row_2	TLR10	toll like receptor 10 [Source:HGNC Symbol;Acc:HGNC:15634]	TLR10	toll like receptor 10 [Source:HGNC Symbol;Acc:HGNC:15634]	1053	0.507534027	0.33530882	Yes
row_3	XCR1	X-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:1625]	XCR1	X-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:1625]	1093	0.497686476	0.45034662	Yes
row_4	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	1580	0.413897544	0.5236077	Yes
row_5	CLEC9A	C-type lectin domain containing 9A [Source:HGNC Symbol;Acc:HGNC:26705]	CLEC9A	C-type lectin domain containing 9A [Source:HGNC Symbol;Acc:HGNC:26705]	2186	0.343890131	0.5745363	Yes
row_6	THBD	thrombomodulin [Source:HGNC Symbol;Acc:HGNC:11784]	THBD	thrombomodulin [Source:HGNC Symbol;Acc:HGNC:11784]	2810	0.292374969	0.6124687	Yes
row_7	TLR6	toll like receptor 6 [Source:HGNC Symbol;Acc:HGNC:16711]	TLR6	toll like receptor 6 [Source:HGNC Symbol;Acc:HGNC:16711]	4332	0.203700617	0.5851936	Yes
row_8	HLA-DRA	major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947]	HLA-DRA	major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947]	4879	0.180236191	0.6005758	Yes
row_9	TMSB4X	thymosin beta 4 X-linked [Source:HGNC Symbol;Acc:HGNC:11881]	TMSB4X	thymosin beta 4 X-linked [Source:HGNC Symbol;Acc:HGNC:11881]	5232	0.165724337	0.6221325	Yes
row_10	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:HGNC:4948]	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:HGNC:4948]	5580	0.148057759	0.6397843	Yes
row_11	LY75	lymphocyte antigen 75 [Source:HGNC Symbol;Acc:HGNC:6729]	LY75	lymphocyte antigen 75 [Source:HGNC Symbol;Acc:HGNC:6729]	5744	0.141387746	0.66495943	Yes
row_12	TLR1	toll like receptor 1 [Source:HGNC Symbol;Acc:HGNC:11847]	TLR1	toll like receptor 1 [Source:HGNC Symbol;Acc:HGNC:11847]	6011	0.132499292	0.6829567	Yes
row_13	CD207	CD207 molecule [Source:HGNC Symbol;Acc:HGNC:17935]	CD207	CD207 molecule [Source:HGNC Symbol;Acc:HGNC:17935]	8407	0.051631492	0.57676095	No
row_14	CADM1	cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:5951]	CADM1	cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:5951]	8997	0.03623464	0.5561759	No

Figure 5B: Classical dendritic cells type 2

NAME	PROBE	DESCRIPTION (from dataset)	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
row_0	CLEC10A	C-type lectin domain containing 10A [Source:HGNC Symbol;Acc:HGNC:16916]	CLEC10A	C-type lectin domain containing 10A [Source:HGNC Symbol;Acc:HGNC:16916]	389	0.771062911	0.13655964	Yes
row_1	CD5	CD5 molecule [Source:HGNC Symbol;Acc:HGNC:1685]	CD5	CD5 molecule [Source:HGNC Symbol;Acc:HGNC:1685]	918	0.542450666	0.2200617	Yes
row_2	CLEC6A	C-type lectin domain containing 6A [Source:HGNC Symbol;Acc:HGNC:14556]	CLEC6A	C-type lectin domain containing 6A [Source:HGNC Symbol;Acc:HGNC:14556]	1496	0.425811082	0.27757663	Yes
row_3	LYZ	lysozyme [Source:HGNC Symbol;Acc:HGNC:6740]	LYZ	lysozyme [Source:HGNC Symbol;Acc:HGNC:6740]	1575	0.41439113	0.35744455	Yes
row_4	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	1580	0.413897544	0.44086978	Yes
row_5	CCL17	C-C motif chemokine ligand 17 [Source:HGNC Symbol;Acc:HGNC:10615]	CCL17	C-C motif chemokine ligand 17 [Source:HGNC Symbol;Acc:HGNC:10615]	1582	0.413683534	0.5244	Yes
row_6	TLR9	toll like receptor 9 [Source:HGNC Symbol;Acc:HGNC:15633]	TLR9	toll like receptor 9 [Source:HGNC Symbol;Acc:HGNC:15633]	2536	0.311390013	0.5402159	Yes
row_7	CLEC7A	C-type lectin domain containing 7A [Source:HGNC Symbol;Acc:HGNC:14558]	CLEC7A	C-type lectin domain containing 7A [Source:HGNC Symbol;Acc:HGNC:14558]	2759	0.295978576	0.5890436	Yes
row_8	ITGAX	integrin subunit alpha X [Source:HGNC Symbol;Acc:HGNC:6152]	ITGAX	integrin subunit alpha X [Source:HGNC Symbol;Acc:HGNC:6152]	3721	0.232960671	0.5886185	Yes
row_9	CD1C	CD1c molecule [Source:HGNC Symbol;Acc:HGNC:1636]	CD1C	CD1c molecule [Source:HGNC Symbol;Acc:HGNC:1636]	4210	0.209002689	0.60672826	Yes
row_10	HLA-DRA	major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947]	HLA-DRA	major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947]	4879	0.180236191	0.61013067	Yes
row_11	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:HGNC:4948]	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:HGNC:4948]	5580	0.148057759	0.6054504	Yes
row_12	CD14	CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628]	CD14	CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628]	5603	0.146900848	0.6340427	Yes
row_13	IRF4	interferon regulatory factor 4 [Source:HGNC Symbol;Acc:HGNC:6119]	IRF4	interferon regulatory factor 4 [Source:HGNC Symbol;Acc:HGNC:6119]	6301	0.120059229	0.62385386	No
row_14	CX3CR1	C-X3-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:2558]	CX3CR1	C-X3-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:2558]	8232	0.056313839	0.5398521	No
row_15	SIRPA	signal regulatory protein alpha [Source:HGNC Symbol;Acc:HGNC:9662]	SIRPA	signal regulatory protein alpha [Source:HGNC Symbol;Acc:HGNC:9662]	8631	0.045422696	0.5293603	No
row_16	ITGAM	integrin subunit alpha M [Source:HGNC Symbol;Acc:HGNC:6149]	ITGAM	integrin subunit alpha M [Source:HGNC Symbol;Acc:HGNC:6149]	9383	0.027252868	0.49775252	No
row_17	CLEC4A	C-type lectin domain family 4 member A [Source:HGNC Symbol;Acc:HGNC:13257]	CLEC4A	C-type lectin domain family 4 member A [Source:HGNC Symbol;Acc:HGNC:13257]	11207	-0.004060864	0.40848154	No
row_18	CCL22	C-C motif chemokine ligand 22 [Source:HGNC Symbol;Acc:HGNC:10621]	CCL22	C-C motif chemokine ligand 22 [Source:HGNC Symbol;Acc:HGNC:10621]	11404	-0.008455534	0.4005037	No
row_19	CD1A	CD1a molecule [Source:HGNC Symbol;Acc:HGNC:1634]	CD1A	CD1a molecule [Source:HGNC Symbol;Acc:HGNC:1634]	17452	-0.182183653	0.138473	No

Figure 5B: Plasmacytoid dendritic cells

NAME	PROBE	DESCRIPTION (from dataset)	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
row_0	IL3RA	interleukin 3 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:6012]	IL3RA	interleukin 3 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:6012]	258	0.885453522	0.15827046	Yes
row_1	CLEC4C	C-type lectin domain family 4 member C [Source:HGNC Symbol;Acc:HGNC:13258]	CLEC4C	C-type lectin domain family 4 member C [Source:HGNC Symbol;Acc:HGNC:13258]	477	0.711645722	0.28494775	Yes
row_2	CCR2	C-C motif chemokine receptor 2 [Source:HGNC Symbol;Acc:HGNC:1603]	CCR2	C-C motif chemokine receptor 2 [Source:HGNC Symbol;Acc:HGNC:1603]	858	0.56069237	0.37446526	Yes
row_3	IRF8	interferon regulatory factor 8 [Source:HGNC Symbol;Acc:HGNC:5358]	IRF8	interferon regulatory factor 8 [Source:HGNC Symbol;Acc:HGNC:5358]	1245	0.467103273	0.44561034	Yes
row_4	LILRA4	leukocyte immunoglobulin like receptor A4 [Source:HGNC Symbol;Acc:HGNC:15503]	LILRA4	leukocyte immunoglobulin like receptor A4 [Source:HGNC Symbol;Acc:HGNC:15503]	1558	0.416651428	0.5106674	Yes
row_5	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	1580	0.413897544	0.5895707	Yes
row_6	FCER1A	Fc fragment of IgE receptor Ia [Source:HGNC Symbol;Acc:HGNC:3609]	FCER1A	Fc fragment of IgE receptor Ia [Source:HGNC Symbol;Acc:HGNC:3609]	2496	0.314496487	0.60510343	Yes
row_7	TLR9	toll like receptor 9 [Source:HGNC Symbol;Acc:HGNC:15633]	TLR9	toll like receptor 9 [Source:HGNC Symbol;Acc:HGNC:15633]	2536	0.311390013	0.6633189	Yes
row_8	LILRB4	leukocyte immunoglobulin like receptor B4 [Source:HGNC Symbol;Acc:HGNC:6608]	LILRB4	leukocyte immunoglobulin like receptor B4 [Source:HGNC Symbol;Acc:HGNC:6608]	3455	0.249318048	0.6661146	Yes
row_9	TNFRSF21	TNF receptor superfamily member 21 [Source:HGNC Symbol;Acc:HGNC:13469]	TNFRSF21	TNF receptor superfamily member 21 [Source:HGNC Symbol;Acc:HGNC:13469]	4643	0.190393403	0.6442384	Yes
row_10	DDX58	DExD/H-box helicase 58 [Source:HGNC Symbol;Acc:HGNC:19102]	DDX58	DExD/H-box helicase 58 [Source:HGNC Symbol;Acc:HGNC:19102]	4713	0.186943069	0.67693573	Yes
row_11	TLR7	toll like receptor 7 [Source:HGNC Symbol;Acc:HGNC:15631]	TLR7	toll like receptor 7 [Source:HGNC Symbol;Acc:HGNC:15631]	5572	0.148358911	0.6631966	No
row_12	IRF4	interferon regulatory factor 4 [Source:HGNC Symbol;Acc:HGNC:6119]	IRF4	interferon regulatory factor 4 [Source:HGNC Symbol;Acc:HGNC:6119]	6301	0.120059229	0.65041494	No
row_13	ZEB2	zinc finger E-box binding homeobox 2 [Source:HGNC Symbol;Acc:HGNC:14881]	ZEB2	zinc finger E-box binding homeobox 2 [Source:HGNC Symbol;Acc:HGNC:14881]	6606	0.10777811	0.6562109	No
row_14	TCF4	transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:11634]	TCF4	transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:11634]	7037	0.092786528	0.65288574	No
row_15	NRP1	neuropilin 1 [Source:HGNC Symbol;Acc:HGNC:8004]	NRP1	neuropilin 1 [Source:HGNC Symbol;Acc:HGNC:8004]	10569	5.75E-04	0.4785316	No

Figure 5B: Monocytic dendritic cells

NAME	PROBE	DESCRIPTION (from dataset)	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
row_0	CCR2	C-C motif chemokine receptor 2 [Source:HGNC Symbol;Acc:HGNC:1603]	CCR2	C-C motif chemokine receptor 2 [Source:HGNC Symbol;Acc:HGNC:1603]	858	0.56069237	0.17936428	Yes
row_1	FCGR1A	Fc fragment of IgG receptor Ia [Source:HGNC Symbol;Acc:HGNC:3613]	FCGR1A	Fc fragment of IgG receptor Ia [Source:HGNC Symbol;Acc:HGNC:3613]	1394	0.440219611	0.32704005	Yes
row_2	ITGAX	integrin subunit alpha X [Source:HGNC Symbol;Acc:HGNC:6152]	ITGAX	integrin subunit alpha X [Source:HGNC Symbol;Acc:HGNC:6152]	3721	0.232960671	0.30425096	Yes
row_3	MRC1	mannose receptor C-type 1 [Source:HGNC Symbol;Acc:HGNC:7228]	MRC1	mannose receptor C-type 1 [Source:HGNC Symbol;Acc:HGNC:7228]	4591	0.192734569	0.3375419	Yes
row_4	HLA-DRA	major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947]	HLA-DRA	major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947]	4879	0.180236191	0.39464602	Yes
row_5	NOD1	nucleotide binding oligomerization domain containing 1 [Source:HGNC Symbol;Acc:HGNC:16390]	NOD1	nucleotide binding oligomerization domain containing 1 [Source:HGNC Symbol;Acc:HGNC:16390]	5102	0.169858471	0.45085728	Yes
row_6	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:HGNC:4948]	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:HGNC:4948]	5580	0.148057759	0.4858468	Yes
row_7	CD14	CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628]	CD14	CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628]	5603	0.146900848	0.5428601	Yes
row_8	LAMP1	lysosomal associated membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:6499]	LAMP1	lysosomal associated membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:6499]	5874	0.136566952	0.5835327	Yes
row_9	SIRPA	signal regulatory protein alpha [Source:HGNC Symbol;Acc:HGNC:9662]	SIRPA	signal regulatory protein alpha [Source:HGNC Symbol;Acc:HGNC:9662]	8631	0.045422696	0.4653249	No
row_10	ITGAM	integrin subunit alpha M [Source:HGNC Symbol;Acc:HGNC:6149]	ITGAM	integrin subunit alpha M [Source:HGNC Symbol;Acc:HGNC:6149]	9383	0.027252868	0.43899703	No
row_11	HLA-DQA2	major histocompatibility complex, class II, DQ alpha 2 [Source:HGNC Symbol;Acc:HGNC:4943]	HLA-DQA2	major histocompatibility complex, class II, DQ alpha 2 [Source:HGNC Symbol;Acc:HGNC:4943]	9552	0.023128299	0.43984362	No
row_12	HLA-DPA1	major histocompatibility complex, class II, DP alpha 1 [Source:HGNC Symbol;Acc:HGNC:4938]	HLA-DPA1	major histocompatibility complex, class II, DP alpha 1 [Source:HGNC Symbol;Acc:HGNC:4938]	11314	-0.0064946	0.35540208	No
row_13	FCGR2A	Fc fragment of IgG receptor IIa [Source:HGNC Symbol;Acc:HGNC:3616]	FCGR2A	Fc fragment of IgG receptor IIa [Source:HGNC Symbol;Acc:HGNC:3616]	11368	-0.007614374	0.3557949	No
row_14	CD209	CD209 molecule [Source:HGNC Symbol;Acc:HGNC:1641]	CD209	CD209 molecule [Source:HGNC Symbol;Acc:HGNC:1641]	12313	-0.028077368	0.32025707	No
row_15	CD1A	CD1a molecule [Source:HGNC Symbol;Acc:HGNC:1634]	CD1A	CD1a molecule [Source:HGNC Symbol;Acc:HGNC:1634]	17452	-0.182183653	0.13844566	No