

Supplementary Table 2: Differences in expression of chemokines, immune stimulators, MHC proteins and immune receptors between CD86 high expression group and low expression group

	logFC	AveExpr	t	P. Value	adj. P. Val	B
CCL1	-0.462567	1.1481064	-1.653331	0.1006921	0.2071248	-5.648527
CCL2	0.1080616	0.569383	0.8224799	0.4123196	0.5683743	-6.663081
CCL3	0.8892518	2.613315	4.483828	1.60E-05	0.0001599	2.3323578
CCL4	-0.048188	2.5345371	-0.270802	0.7869755	0.8693542	-6.963631
CCL5	0.3347618	5.8737699	1.5872378	0.1149039	0.2283994	-5.753417
CCL7	0.0265143	0.0657784	0.5958763	0.5523006	0.6901541	-6.823065
CCL8	0.0060869	0.2202482	0.0749199	0.9403943	0.9645833	-6.997466
CCL11	0.0072089	0.0162463	0.8209828	0.4131688	0.5690417	-6.664304
CCL13	-0.042796	0.2832065	-0.537659	0.5917379	0.7233178	-6.855962
CCL14	-0.126571	0.3836673	-1.443669	0.1512533	0.27971	-5.967049
CCL15	-0.030807	0.0758897	-1.732878	0.0855042	0.1829479	-5.516858
CCL16	-0.035597	0.1623506	-1.292326	0.1985514	0.3403719	-6.171
CCL17	-0.031916	0.2360376	-0.681163	0.4969875	0.6440214	-6.768806
CCL18	-0.098187	0.7177704	-0.537288	0.5919932	0.7235389	-6.856161
CCL19	-0.102716	0.2201384	-1.443978	0.1511665	0.2796559	-5.96661
CCL20	-0.000402	0.2312239	-0.005405	0.9956957	0.9975024	-7.000256
CCL21	-0.047775	0.2633422	-0.680912	0.4971459	0.6440214	-6.768976
CCL22	0.3066726	0.325295	4.6152296	9.35E-06	0.0001018	2.846681
CCL23	1.1965472	2.7304292	3.5473641	0.000543	0.0030628	-1.001459
CCL24	0.3565349	1.1206307	1.6784617	0.0956749	0.1991479	-5.607569
CCL25	0.1567266	0.724642	1.123387	0.2633569	0.4151417	-6.372652
CCL26	-0.001159	0.1722887	-0.02864	0.9771961	0.9863833	-6.999861
CCL27	0.0222895	0.0448076	1.2584392	0.210503	0.3550345	-6.213657
CCL28	0.1004546	2.5010798	0.4933719	0.6225877	0.74792	-6.878735
CX3CL1	-0.038709	0.0989784	-1.430341	0.155034	0.2847802	-5.985889
CXCL1	0.4170342	1.7234051	1.7800218	0.0774237	0.1694978	-5.436037
CXCL2	-0.23333	3.8771162	-0.863933	0.3892261	0.5456624	-6.628337
CXCL3	-0.085496	2.15947	-0.375439	0.7079495	0.8125448	-6.929865
CXCL5	-0.012032	0.396596	-0.104301	0.9170924	0.9512132	-6.994834
CXCL6	-0.089238	0.2956513	-1.369741	0.1731443	0.3084108	-6.069413
CXCL8	0.4854155	4.8988748	1.4694085	0.1441536	0.2700191	-5.930186
CXCL9	0.14753	0.6178084	0.81861	0.4145167	0.570227	-6.666239
CXCL10	0.8639656	1.2405271	4.2728545	3.72E-05	0.0003239	1.5294177
CXCL11	0.1745495	0.2638565	2.1953481	0.0299252	0.0805118	-4.635826
CXCL12	-0.298925	3.4022286	-0.67177	0.50293	0.6491868	-6.775135
CXCL13	-0.025339	0.3784491	-0.339269	0.7349581	0.8324961	-6.942772
CXCL14	0.210799	0.5921051	1.4667924	0.1448631	0.2708529	-5.933961
CXCL16	2.2016654	2.8792448	10.449706	6.71E-19	1.18E-16	32.428706
CXCL17	-0.34978	1.7260152	-2.852663	0.0050505	0.0191546	-3.057305
XCL1	-0.04079	0.7389787	-0.365421	0.7153946	0.8183869	-6.93357
XCL2	-0.074123	1.585167	-0.440231	0.6605059	0.7769248	-6.903488
CCR1	2.8949414	4.3754328	12.729886	1.47E-24	7.55E-22	45.247781
CCR2	3.1918027	3.9896663	12.050278	7.07E-23	2.55E-20	41.439391
CCR3	0.3372474	0.7144292	2.9485177	0.0037909	0.0152012	-2.796536
CCR4	0.0179573	1.5909334	0.1089279	0.9134287	0.9489282	-6.994341
CCR5	2.0661275	2.615431	10.470434	5.96E-19	1.06E-16	32.545228

CCR6	0.0327559	0.3757899	0.5993014	0.5500217	0.6884562	-6.821025
CCR7	0.142433	3.6394909	0.6283335	0.530895	0.6722377	-6.803265
CCR8	-0.10575	0.5826647	-1.239501	0.2174075	0.3628119	-6.237015
CCR9	0.0141856	1.2921943	0.1188077	0.9056123	0.9440188	-6.993217
CCR10	0.0960317	0.8841812	1.0940037	0.2759894	0.4291796	-6.404904
CXCR1	0.4310979	1.2165166	2.4047855	0.0176004	0.0528311	-4.173466
CXCR2	1.131885	2.6118279	5.5854781	1.32E-07	2.48E-06	6.9521578
CXCR3	-0.064158	2.2793732	-0.33399	0.7389287	0.8353129	-6.944546
CXCR4	0.8130352	8.1650359	4.4051717	2.20E-05	0.0002081	2.0296636
CXCR5	-0.038215	0.3715621	-0.642922	0.5214142	0.6648067	-6.794025
CXCR6	-0.065934	2.1240486	-0.54143	0.5891437	0.721159	-6.853933
XCR1	0.0799702	0.3134821	0.992747	0.3226894	0.479171	-6.509612
CX3CR1	2.9149394	4.9457563	9.8724082	1.80E-17	2.37E-15	29.191766
B2M	0.4206834	10.588844	4.4502953	1.83E-05	0.0001783	2.202834
HLA-A	0.2668634	9.1002307	1.9550087	0.0527417	0.1258093	-5.118074
HLA-B	0.6468637	9.869248	4.6507528	8.07E-06	8.99E-05	2.9875499
HLA-C	0.4921117	9.1037541	3.8076694	0.0002158	0.0014107	-0.136147
HLA-DMA	1.1735018	6.9038045	5.159937	9.07E-07	1.35E-05	5.0881498
HLA-DMB	1.8181002	4.7936246	7.4299209	1.32E-11	6.05E-10	15.932876
HLA-DOA	0.7374904	3.8670778	2.4415485	0.0159783	0.0488206	-4.088328
HLA-DOB	0.4161891	3.0448099	2.5969572	0.010496	0.0346365	-3.71549
HLA-DPA1	1.6228543	6.4088635	5.2243175	6.81E-07	1.04E-05	5.3641012
HLA-DPB1	1.4556864	7.0307646	5.0314375	1.60E-06	2.20E-05	4.5441154
HLA-DQA1	1.4711116	4.2468382	4.9893114	1.92E-06	2.57E-05	4.3677574
HLA-DQA2	0.8514862	3.2067699	2.1978591	0.0297414	0.0801201	-4.630513
HLA-DQB1	1.8713123	5.3110256	5.9080954	2.89E-08	6.38E-07	8.4247154
HLA-DRA	1.7951665	10.15013	6.2203556	6.38E-09	1.63E-07	9.8944187
HLA-DRB1	1.8404215	8.3925353	6.5690255	1.13E-09	3.42E-08	11.582554
HLA-E	0.5592047	9.1048175	4.304974	3.27E-05	0.0002918	1.6498061
HLA-F	0.7838752	4.4640923	4.0686323	8.18E-05	0.000627	0.7799735
HLA-G	0.4011164	2.4843648	2.6670089	0.0086323	0.0295128	-3.54066
TAP1	0.3087528	5.3907941	2.3551162	0.0200232	0.0585337	-4.286617
TAP2	0.2794076	4.5975606	2.3406188	0.0207838	0.0603029	-4.319235
TAPBP	0.1815401	7.55017	2.6180163	0.0099008	0.0330085	-3.663371
BTNL2	-0.016188	0.2761892	-0.302763	0.7625572	0.8519067	-6.954476
VSIR	1.7867308	7.0377514	8.9819863	2.74E-15	2.64E-13	24.25121
CD27	0.1032421	3.435623	0.6396986	0.5235016	0.6666672	-6.796085
CD276	0.3098782	1.3974076	1.4135531	0.1598987	0.2912315	-6.009378
CD28	-0.004849	2.1374245	-0.025716	0.9795234	0.9878239	-6.99994
CD40	0.3881258	2.5208415	1.976877	0.0501856	0.1210325	-5.076361
CD40LG	-0.156378	2.2987725	-0.878143	0.3814969	0.5383171	-6.616038
CD48	1.0910446	5.1777971	4.6852871	6.99E-06	7.93E-05	3.1252322
CD70	0.1015928	1.5425073	0.3884847	0.698297	0.8061256	-6.92489
CD80	-0.102394	0.9839942	-0.853134	0.3951642	0.551556	-6.637551
CD86	3.1820475	3.8908726	16.484874	1.45E-33	2.81E-29	65.609523
ENTPD1	0.4822608	4.2967044	3.77323	0.0002445	0.001567	-0.25346
HHLA2	0.73891	0.9628246	5.3540035	3.81E-07	6.25E-06	5.9266476
ICOS	0.0639916	1.5924252	0.3986607	0.6908015	0.8008935	-6.920892
ICOSLG	-0.057115	0.5687271	-0.607817	0.5443758	0.683665	-6.815902
IL2RA	0.3000976	2.3749164	0.9666603	0.3355204	0.4922518	-6.534967
IL6	0.1076263	0.2517914	1.8304567	0.069487	0.1562714	-5.34729

IL6R	0.8730454	6.1449863	6.436	2.20E-09	6.23E-08	10.932933
KLRC1	-0.03064	0.6626205	-0.277583	0.7817761	0.8653756	-6.961774
KLRK1	-0.075618	1.024701	-0.636499	0.5255777	0.6682615	-6.798119
LTA	0.1336307	1.1410355	1.0785295	0.2828076	0.4368096	-6.421552
MICB	0.4651475	4.7169043	5.6731259	8.77E-08	1.73E-06	7.3473721
NT5E	0.2859555	1.837652	1.2162812	0.2260959	0.3725194	-6.265182
PVR	-0.54375	3.9830109	-2.363333	0.0196031	0.0575205	-4.268047
RAET1E	-0.060613	0.4970636	-0.658082	0.5116566	0.6563937	-6.784201
TMEM173	0.2709699	7.3467821	2.1702444	0.0318176	0.0844708	-4.688632
TMIGD2	-1.090223	3.5393041	-3.307245	0.0012205	0.0059359	-1.754836
TNFRSF13B	0.1469521	0.8255735	1.4106044	0.1607652	0.2924369	-6.013476
TNFRSF13C	0.0896496	2.9972156	0.5932478	0.5540527	0.6915442	-6.824622
TNFRSF14	0.418859	4.9473379	2.2592841	0.0255413	0.0711268	-4.498795
TNFRSF17	-0.031134	2.5679468	-0.170401	0.8649615	0.9194459	-6.985761
TNFRSF18	-0.851536	1.7879866	-3.262457	0.0014132	0.0066992	-1.890459
TNFRSF25	-0.682691	3.3376142	-3.270195	0.001378	0.0065548	-1.867141
TNFRSF4	-0.836884	2.2250361	-2.926764	0.0040484	0.0160418	-2.856379
TNFRSF8	1.2369701	1.5169365	8.1975253	2.11E-13	1.34E-11	19.986243
TNFRSF9	0.2600499	0.7123209	3.0925374	0.0024323	0.0105511	-2.390658
TNFSF13	1.1758544	4.1076171	8.6855458	1.43E-14	1.17E-12	22.627623
TNFSF13B	1.0393953	6.4554854	6.5843516	1.04E-09	3.19E-08	11.657822
TNFSF14	0.4250124	2.1575881	2.4702958	0.014804	0.0459321	-4.020934
TNFSF15	0.6825729	0.509486	11.161494	1.14E-20	2.81E-18	36.436104
TNFSF18	0.0687802	0.1783799	1.6602265	0.0992948	0.2048639	-5.637348
TNFSF4	-0.143532	3.6603202	-0.700098	0.4851254	0.6339396	-6.755784
TNFSF9	0.7827279	2.2943841	3.6391601	0.0003942	0.0023475	-0.701975
ULBP1	0.034404	0.2495607	0.6867393	0.4934781	0.6414886	-6.765008