

S2 Table. Detail list of differentially expressed genes between PD-L1–high and others groups

Gene	logFC	p-value	FDR
ADAM12	0.381616632	5.44529E-06	0.001784854
ADAM28	0.314686363	8.02668E-05	0.010356426
ADAM8	0.347724422	8.23848E-05	0.010384433
AHNAK2	0.419738761	5.48184E-06	0.001784854
AIF1	0.270932528	0.000271052	0.021899791
ALOX5	0.261380083	0.000944599	0.0476314
ALPK1	0.399687885	6.40467E-06	0.001957306
AMPD3	0.284602542	0.000607541	0.034612025
ANKRD22	0.282769568	0.000497448	0.031180546
AOAH	0.293632419	0.000244286	0.020878182
APOB48R	0.296209813	0.000781878	0.04150128
APOBEC3G	0.319758847	0.000731842	0.039258664
ARHGAP30	0.324494426	0.000173772	0.017340778
ARL11	0.375387318	0.00014431	0.015319648
ASCL1	-0.271016404	0.000414124	0.028411147
ASPN	0.318088622	0.000135717	0.014843178
ATCAY	-0.340706814	1.99828E-05	0.004030529
ATP8B4	0.317776435	0.000229557	0.020108855
BAI1	-0.3322146	4.96617E-05	0.00742068
BCL3	0.309103438	0.00030511	0.023852945
BCL7A	-0.305883549	0.000577566	0.03366912
C12orf34	-0.293393911	0.000571674	0.033519401
C17orf87	0.388756431	0.000104301	0.012231104
C1orf38	0.289604214	0.00027144	0.021899791
C1RL	0.271441102	0.000664985	0.036253547
C1S	0.255209873	0.00015437	0.016019453
C21orf7	0.305631528	0.000374022	0.02670217
C5AR1	0.2825341	0.00047985	0.030823481
C9orf140	-0.364577579	0.000110877	0.012852803
CA12	0.324685389	1.99471E-05	0.004030529
CASP1	0.318025684	0.000113556	0.013013742
CAV1	0.274620378	0.000811995	0.041994709
CCL2	0.380057471	1.05315E-07	8.17E-05
CCR5	0.381726882	5.4793E-06	0.001784854
CD109	0.404853883	1.3527E-05	0.003100449
CD300C	0.35023152	0.000802612	0.041994709

Gene	logFC	p-value	FDR
CD300LF	0.362673111	0.000100511	0.012067344
CD33	0.402075672	2.58575E-05	0.004741324
CD48	0.385138668	3.88681E-05	0.006221983
CD72	0.3480856	0.000233291	0.020108855
CFI	0.440014774	6.94047E-08	6.99946E-05
CH25H	0.3489773	2.54712E-05	0.004741324
CHI3L1	0.210271721	0.000376384	0.02670217
CHI3L2	0.285921111	2.79698E-05	0.004863366
CHIT1	0.45494001	3.59144E-06	0.001509155
CIITA	0.290173967	0.000518885	0.031936901
CLEC2B	0.428675064	5.48641E-06	0.001784854
COL1A1	0.281038155	7.04599E-05	0.009578695
COL5A1	0.340058618	5.52403E-05	0.007846462
COL8A2	0.351592857	7.17693E-06	0.002128803
CPLX1	-0.407766546	1.38789E-05	0.003110423
CRB2	0.270379302	0.000430339	0.029127276
CTSC	0.271019767	0.000632561	0.035051522
CTSS	0.25902014	0.000601582	0.034471312
CXCL11	0.320138722	0.000630276	0.035051522
CXCL9	0.288818308	0.000901235	0.045903813
CXorf21	0.328039723	0.000439965	0.02958031
DCBLD2	0.300916469	0.000349502	0.026109088
DIRAS3	0.249443078	0.000469985	0.030664963
DLL3	-0.452548958	1.93977E-08	3.67129E-05
DOCK2	0.315413647	0.000598884	0.034471312
DOK3	0.295849322	0.000512513	0.031905542
DPYD	0.364033212	4.30178E-06	0.001735339
F13A1	0.388831275	1.78167E-08	3.67129E-05
FAM113B	0.318859884	0.000658408	0.036253547
FAM129A	0.277957497	0.000473403	0.030664963
FAM57B	-0.460117034	8.54833E-07	0.000453737
FAS	0.324611987	0.000122419	0.013717714
FBXL16	-0.295087571	0.000353383	0.026204905
FCGR2A	0.246891884	0.000665038	0.036253547
FYB	0.288110353	0.000346342	0.026109088
GADD45G	-0.301221422	0.000333891	0.025509812
GBP5	0.379157477	5.06182E-06	0.001784854

Gene	logFC	p-value	FDR
GDAP1L1	-0.44300033	3.43147E-07	0.000230057
GDPD2	0.269557582	0.000474342	0.030664963
GLCCI1	-0.2975255	0.000470356	0.030664963
GNA14	0.435510586	1.46109E-05	0.003203285
GNG4	-0.366527735	1.0054E-05	0.002534872
GPR132	0.333819657	0.000618236	0.034831889
GPR65	0.294386421	8.3405E-05	0.010384433
GPR84	0.5044052	1.91013E-08	3.67129E-05
HES6	-0.31893554	7.12347E-05	0.009578695
HK3	0.478366115	3.74973E-07	0.000230057
HMP19	-0.3715976	5.42243E-06	0.001784854
HR	-0.338790896	0.000184314	0.017535905
ICAM1	0.388735008	3.33466E-06	0.001509155
IER3	0.447047455	8.05088E-06	0.002255365
IFI30	0.259821899	0.000382506	0.02670217
IKZF1	0.341140459	0.000816604	0.042017628
IL18	0.283200031	0.000727735	0.039247112
IL1R1	0.345305328	8.11262E-05	0.010356426
ITGA3	0.312514782	0.000136878	0.014843178
ITGB3	0.320551975	0.000527326	0.031936901
KCND2	-0.26682805	0.000309345	0.023998042
KLHL6	0.372396876	0.000196341	0.018418729
LAIR1	0.285077545	0.000227219	0.020108855
LGALS3	0.274231429	0.000250473	0.021227027
LIF	0.486043841	2.18421E-08	3.67129E-05
LILRB1	0.275113333	0.000809751	0.041994709
LILRB2	0.29782228	0.000315537	0.024291534
LOX	0.465765168	8.25104E-08	7.56471E-05
LRRC25	0.306882928	0.000120866	0.013695829
LTBP2	0.347718481	4.04825E-05	0.006379157
LTF	0.388125088	1.9163E-08	3.67129E-05
LY96	0.328373787	9.39125E-05	0.011550097
LYVE1	0.363425135	8.71808E-06	0.002313734
LYZ	0.427771478	3.13756E-06	0.001506776
MAN1C1	0.255559355	0.000382963	0.02670217
MAP3K8	0.405732917	7.73506E-06	0.002228802
MAST1	-0.390801711	5.68271E-06	0.001790941

Gene	logFC	p-value	FDR
MDFIC	0.292574504	0.000810106	0.041994709
MEX3A	-0.323334971	0.000180544	0.017340778
MGST1	0.291460121	0.000489399	0.031180546
MLKL	0.41124902	0.000179228	0.017340778
MMD2	-0.329459233	0.000231493	0.020108855
MNDA	0.275881774	0.000230691	0.020108855
MPPED2	-0.375792342	2.36686E-05	0.004573426
MS4A4A	0.346145584	2.6841E-05	0.004833784
MSR1	0.264162919	0.00013374	0.014821633
MYCN	-0.362895348	0.000176192	0.017340778
NCF1	0.313330173	0.000383918	0.02670217
NCF4	0.361858757	0.000139172	0.014931383
NCKAP1L	0.305074474	0.000280914	0.022307236
NFKBIZ	0.513506549	3.06958E-08	4.42239E-05
NLRC4	0.303670307	0.000266091	0.021818524
NOD2	0.480171623	3.878E-07	0.000230057
NRXN1	-0.247881345	0.000799626	0.041994709
NUAK2	0.324580122	0.000497776	0.031180546
OCIAD2	0.29098819	0.000177905	0.017340778
OSM	0.399507603	3.49637E-06	0.001509155
OSMR	0.290549285	0.000524641	0.031936901
PDGFRA	-0.28415126	0.00021154	0.019219646
PDLIM4	0.280848971	0.000458577	0.030425991
PDPN	0.282405709	3.35314E-05	0.005543667
PLAU	0.457536417	6.45562E-08	6.99946E-05
PLAUR	0.374441004	2.40349E-05	0.004573426
PLB1	0.303187987	0.000348532	0.026109088
PMFBP1	0.49211306	8.40847E-06	0.002291876
PPFIA3	-0.324486158	0.000941969	0.0476314
PRF1	0.414532324	1.6009E-05	0.003435121
PROS1	0.264557225	0.000558795	0.033345816
PTAFR	0.312376001	0.00027937	0.022307236
PTGER4	0.487862234	1.64963E-06	0.000831826
PTPLAD2	0.325146727	0.000164227	0.016729638
PTPRC	0.323175032	8.04816E-05	0.010356426
RAB27A	0.436137373	5.00353E-05	0.00742068
RAB33A	-0.317135433	0.000304644	0.023852945

Gene	logFC	p-value	FDR
RAC2	0.33587586	0.000570184	0.033519401
RDH10	0.280898151	0.000197246	0.018418729
RGS9	-0.31818744	0.000847595	0.043390828
RIPK3	0.348209262	0.000226873	0.020108855
RNASE2	0.503162005	2.15017E-09	2.16845E-05
RUNX2	0.335803497	0.000372101	0.02670217
S100A4	0.372106592	4.41513E-05	0.006850238
S100A9	0.320843394	2.19917E-05	0.004348744
SAMSN1	0.40668868	1.06093E-05	0.002547491
SCG3	-0.243004865	0.000582016	0.033733539
SCIN	0.249963613	0.000374423	0.02670217
SERPINB1	0.29156737	0.000747504	0.039886658
SERPINE1	0.414064102	4.32969E-08	5.45811E-05
SEZ6L	-0.394016327	7.70078E-07	0.000431457
SGMS2	0.344317487	0.000547932	0.0328922
SIGLEC7	0.406852551	1.87158E-05	0.003932271
SIGLEC9	0.342489869	7.32888E-05	0.00972523
SLAMF8	0.327149193	5.17001E-05	0.007556463
SLC11A1	0.289468979	0.000102981	0.012218352
SLC16A3	0.307091182	0.000398633	0.027535696
SLFN12	0.356564528	0.000376165	0.02670217
SLIT1	-0.278197096	0.000697681	0.037828543
SMOC1	-0.33503381	9.8438E-05	0.011960804
SMPD3	-0.379875738	0.000201849	0.018675621
SNX10	0.270712124	0.000562181	0.033350565
SOCS3	0.281652044	0.000148008	0.015548565
SPOCD1	0.360941286	3.5628E-07	0.000230057
SPP1	0.206586124	0.000449982	0.03005343
SQRDL	0.296948388	0.000373335	0.02670217
SRPX2	0.338242175	1.04663E-05	0.002547491
ST6GAL2	-0.371756756	6.74598E-05	0.009319618
STEAP3	0.263377649	0.000610901	0.034612025
SYTL3	0.35878189	5.33954E-05	0.007692758
TCTEX1D1	0.3616684	2.88427E-05	0.004908338
TGFBI	0.270992294	0.000263207	0.021818524
THBD	0.343726104	6.20767E-05	0.00869505
THBS1	0.329809978	4.50459E-05	0.006883145

Gene	logFC	p-value	FDR
TIMP1	0.242190626	0.000419829	0.028607965
TLR1	0.279591478	0.000522781	0.031936901
TLR6	0.4746634	9.12772E-06	0.002360334
TLR8	0.379211337	1.28546E-05	0.00301485
TMEM145	-0.369277612	2.77305E-05	0.004863366
TNFRSF10C	0.365948174	0.000155667	0.016019453
TNFSF4	0.371654951	0.000266106	0.021818524
TRAF3IP3	0.406144467	0.000170002	0.017144715
UNC13A	-0.306821262	0.000494548	0.031180546
UPP1	0.341291055	3.64532E-05	0.00592953
VAMP8	0.279319132	0.000623192	0.034916074
VAV1	0.400348268	2.92018E-05	0.004908338
VNN2	0.339260882	0.000210931	0.019219646
WDFY4	0.28775509	0.000257523	0.021642628
WWTR1	0.289767222	0.000528851	0.031936901
ZDHHC22	-0.456152992	9.3811E-08	7.88403E-05

PD-L1, programmed death-ligand 1.