

Table S1-1 The most relevant immune genes to CD96 in CGGA dataset

Gene	Pearson R	P value
LCK	0.867830656	3.91E-100
FASLG	0.826926624	9.36E-83
SIT1	0.803906418	7.12E-75
CD40LG	0.798734796	3.02E-73
CD6	0.798611488	3.30E-73
CCR2	0.792816985	1.92E-71
CD3E	0.764399405	1.57E-63
RIPK3	0.752403243	1.61E-60
CD7	0.752400601	1.61E-60
CST7	0.749564416	7.83E-60
TLR8	0.747658064	2.24E-59
CD80	0.738858035	2.54E-57
TBC1D10C	0.736919791	7.03E-57
CD300LF	0.734216357	2.86E-56
SPN	0.728215793	6.07E-55
ITGB7	0.728148162	6.27E-55
CD300LB	0.723895302	5.20E-54
TNFSF14	0.721767827	1.48E-53
CD3G	0.721483059	1.70E-53
PTGER4	0.721292744	1.86E-53
CTSW	0.707460922	1.29E-50
TRAT1	0.702965636	9.93E-50
PRF1	0.699403352	4.88E-49
MYO1F	0.694551167	4.11E-48
PDCD1	0.688257152	6.13E-47
CD3D	0.682697492	6.30E-46
ITGAL	0.676645952	7.51E-45
ZAP70	0.672477542	4.00E-44
LTB	0.672430355	4.07E-44
NOD2	0.663629671	1.27E-42
HLA-DOB	0.659957978	5.18E-42
ACPP	0.657504794	1.31E-41
CLEC10A	0.656045565	2.26E-41
CD226	0.648462794	3.68E-40
GPR84	0.647401935	5.41E-40
IL2RG	0.6460466	8.81E-40
IL10	0.641470945	4.51E-39
NLRC4	0.64006745	7.39E-39
GZMH	0.638297564	1.37E-38
MYO1G	0.63313197	8.22E-38
APOBEC3	0.632562605	9.99E-38
CD48	0.632430615	1.05E-37
GZMA	0.631876572	1.26E-37
IL16	0.627763755	5.09E-37
STX11	0.624618169	1.46E-36
CCL5	0.620985385	4.83E-36
GCH1	0.620703571	5.30E-36

GPR65	0.620415252	5.82E-36
APOBEC3	0.616521019	2.07E-35
CD69	0.613732522	5.06E-35
HLA-DOA	0.611584035	1.00E-34
CASP4	0.605575338	6.61E-34
MX2	0.602825603	1.55E-33
JAK3	0.591762107	4.35E-32
PIK3CD	0.589666113	8.06E-32
SLAMF8	0.584848268	3.28E-31
KLRB1	0.584347338	3.79E-31
RELB	0.583678515	4.59E-31
IL12RB1	0.583540542	4.78E-31
RNASE3	0.57799224	2.32E-30
SECTM1	0.574833378	5.63E-30
PLCG2	0.573588959	7.96E-30
SIGLEC7	0.572476841	1.08E-29
RAC2	0.569082318	2.76E-29
CD27	0.563810434	1.15E-28
NBEAL2	0.562872748	1.48E-28
FPR3	0.561753245	2.00E-28
HLA-DRA	0.555686055	9.92E-28
ISG20	0.555104221	1.15E-27
HK3	0.549692467	4.68E-27
C1RL	0.548193069	6.87E-27
IL27	0.54807805	7.07E-27
C5AR1	0.546158104	1.15E-26
APOBEC3	0.54551006	1.36E-26
ARHGAP9	0.544489554	1.75E-26
IL2RA	0.535217261	1.75E-25
IL4R	0.534925649	1.88E-25
GAPT	0.534856255	1.91E-25
KLHL6	0.532960612	3.03E-25
TEC	0.530678073	5.25E-25
TRIM21	0.529930146	6.28E-25
HLA-DPB	0.529264344	7.37E-25
NOD1	0.529157033	7.56E-25
SP100	0.528877583	8.08E-25
CD180	0.528596582	8.64E-25
CLEC2B	0.527926597	1.01E-24
HLA-DM/	0.527604367	1.10E-24
CD300C	0.527224824	1.20E-24
DOK3	0.526213668	1.52E-24
BATF	0.526168581	1.54E-24
TNFRSF1C	0.524707395	2.18E-24
RAB27A	0.524289299	2.40E-24
IFI30	0.523594984	2.83E-24
NFAM1	0.523508939	2.88E-24
STAP1	0.517041719	1.30E-23
LTBR	0.517036013	1.30E-23
TLR6	0.515921286	1.68E-23
TLR2	0.51585628	1.70E-23

ALOX5	0.515778374	1.73E-23
CD40	0.514948631	2.09E-23
CASP8	0.51459089	2.27E-23
BCL3	0.514540848	2.30E-23
PLAUR	0.513488393	2.92E-23
FCGR2C	0.513051096	3.22E-23
PRAM1	0.512893736	3.34E-23
MAN2B1	0.512724142	3.47E-23
SERPING1	0.511904718	4.18E-23
IRF1	0.511324781	4.76E-23
CD74	0.510272959	6.03E-23
TNFRSF1C	0.510036391	6.36E-23
TCIRG1	0.508167225	9.67E-23
SERPINA1	0.50708498	1.23E-22
PDCD1LG	0.507027528	1.25E-22
PLSCR1	0.506277136	1.47E-22
SOCS3	0.506212165	1.49E-22
CTSC	0.50619965	1.50E-22
RNF135	0.506168953	1.51E-22
CARD9	0.50572279	1.66E-22
LYZ	0.505264557	1.84E-22
ICAM1	0.505195481	1.87E-22
HLA-F	0.503083855	2.98E-22
GMFG	0.500732149	4.98E-22
IFNGR2	0.500225639	5.56E-22
TNFSF8	0.499913953	5.95E-22
LCP2	0.499794691	6.11E-22
LILRA6	0.499357465	6.72E-22
C1S	0.498214591	8.60E-22
TLR3	0.497852017	9.30E-22
C2	0.49736825	1.03E-21
LY96	0.496798023	1.17E-21
CD1D	0.495563963	1.52E-21
ICAM3	0.493681524	2.27E-21
OSM	0.49361569	2.31E-21
FCGR2A	0.493559295	2.33E-21
CLCF1	0.493374328	2.43E-21
MICB	0.493359658	2.43E-21
DOCK2	0.491879726	3.33E-21
SP110	0.491775792	3.41E-21
B2M	0.491434147	3.66E-21
FYB	0.490378443	4.57E-21
TNFRSF14	0.489857051	5.10E-21
TRIM38	0.489283658	5.76E-21
CLEC7A	0.489134844	5.94E-21
TNFRSF1E	0.489001383	6.11E-21
HLX	0.489000119	6.11E-21
SIGLEC9	0.488414143	6.91E-21
HLA-DME	0.487616487	8.16E-21
NCF4	0.487427338	8.49E-21
PTPRC	0.487288644	8.74E-21

DNASE1L	0.48688274	9.51E-21
TLR1	0.486872353	9.53E-21
FGL2	0.486486857	1.03E-20
VAMP8	0.486071253	1.13E-20
CTSZ	0.482912945	2.16E-20
S100A11	0.482046902	2.58E-20
GRN	0.48078784	3.34E-20
LAIR1	0.480323698	3.67E-20
MVP	0.479833985	4.05E-20
DAPP1	0.479660074	4.20E-20
PYGL	0.479061698	4.74E-20
HLA-B	0.478525375	5.29E-20
C1R	0.478038532	5.83E-20
CFI	0.477796957	6.13E-20
HEXB	0.475905816	8.97E-20
C1QA	0.475905384	8.97E-20
VNN1	0.474705136	1.14E-19
CD58	0.473961661	1.32E-19
ARPC1B	0.473674977	1.40E-19
PIK3R6	0.47170584	2.07E-19
CD4	0.471048841	2.36E-19
MR1	0.468476678	3.91E-19
PYCARD	0.468389853	3.98E-19
CTSS	0.467903614	4.38E-19
SUSD2	0.466683219	5.56E-19
NPC2	0.465556162	6.92E-19
NMI	0.464792473	8.02E-19
NCKAP1L	0.46414907	9.08E-19
CD300A	0.463921372	9.49E-19
CHI3L1	0.463855136	9.61E-19
LYN	0.463732734	9.84E-19
TRIM34	0.463702372	9.90E-19
TNFAIP8L	0.462981581	1.14E-18
RNASE2	0.462814345	1.17E-18
IFITM3	0.46262877	1.22E-18
APOBEC3	0.462316181	1.29E-18
STAT5A	0.461985595	1.38E-18
TYROBP	0.461079485	1.64E-18
LCP1	0.460533676	1.82E-18
HAMP	0.459525393	2.20E-18
FCER1G	0.458743552	2.56E-18
FUCA1	0.458257459	2.80E-18
LY75	0.456586577	3.85E-18
CD14	0.4565215	3.89E-18
TMEM173	0.45649958	3.91E-18
C1QB	0.455159888	5.03E-18
RNASE6	0.455110172	5.08E-18
CCR1	0.454592228	5.59E-18
BST2	0.454067404	6.17E-18
IL10RB	0.453627867	6.70E-18
CD86	0.450713665	1.15E-17

ITGB2	0.450248246	1.25E-17
PSMB8	0.450160986	1.27E-17
SLC11A1	0.449684023	1.39E-17
TREML1	0.449412858	1.46E-17
CYBA	0.449086492	1.55E-17
TLR5	0.448514513	1.73E-17
FGR	0.447869318	1.94E-17
CD33	0.447109939	2.23E-17
HCST	0.446752834	2.38E-17
STK10	0.446471232	2.51E-17
IFITM2	0.445017851	3.27E-17
B4GALT1	0.444232239	3.77E-17
CFD	0.44360269	4.22E-17
PTPN6	0.442454761	5.19E-17
TLR10	0.442300489	5.33E-17
SASH3	0.442188375	5.44E-17
IL18	0.441449876	6.21E-17
LILRB3	0.440075078	7.95E-17
PSMB9	0.438399484	1.07E-16
HLA-E	0.438271797	1.10E-16
WAS	0.43817153	1.12E-16
TNFSF13	0.438128526	1.12E-16
NCF1	0.436179807	1.59E-16
A2M	0.435170734	1.89E-16
HLA-DRB	0.434274378	2.22E-16
IFITM1	0.433321468	2.62E-16
IL32	0.432960128	2.79E-16
GBP2	0.430922853	3.97E-16
GLA	0.430528934	4.25E-16
FTL	0.42985262	4.78E-16
TNFRSF1C	0.429628772	4.97E-16
LST1	0.429075257	5.47E-16
UNC93B1	0.428750549	5.78E-16
RAP2B	0.42848354	6.05E-16
IQGAP1	0.428114668	6.45E-16
LILRB1	0.428094164	6.47E-16
BTK	0.428027924	6.54E-16
CD68	0.427359045	7.34E-16
C3	0.426518663	8.47E-16
CMTM6	0.426197622	8.95E-16
GYPC	0.425804889	9.57E-16
CARD11	0.425769741	9.62E-16
CCL2	0.425043498	1.09E-15
PML	0.423897476	1.32E-15
PTPN2	0.423687516	1.37E-15
PIK3AP1	0.423193723	1.49E-15
C1QC	0.42282576	1.58E-15
CD63	0.422045951	1.81E-15
FPR1	0.420241875	2.45E-15
GPR183	0.418713582	3.16E-15
IFI35	0.418230681	3.42E-15

CTSB	0.417704657	3.73E-15
RNF19B	0.415379329	5.48E-15
BCL10	0.415115122	5.72E-15
GLIPR1	0.414084101	6.77E-15
SWAP70	0.413942599	6.93E-15
RIPK1	0.413774773	7.13E-15
SERPINA3	0.412449884	8.85E-15
HCK	0.412061649	9.42E-15
LPXN	0.410742864	1.17E-14
PSMB10	0.410467343	1.22E-14
PROS1	0.409636242	1.40E-14
CORO1A	0.409041652	1.54E-14
AIF1	0.40850046	1.68E-14
CD93	0.408227469	1.75E-14
HIST1H2B	0.408033985	1.81E-14
CD84	0.408013762	1.81E-14
FCGRT	0.407432622	1.99E-14
CYBB	0.406476668	2.32E-14
HLA-A	0.406431524	2.33E-14
FUCA2	0.405066591	2.90E-14
OSTF1	0.405040277	2.91E-14
GNS	0.404297108	3.28E-14
S100A9	0.404277133	3.29E-14
SLA	0.403703528	3.60E-14
ITGAM	0.403581223	3.67E-14
LGMN	0.400859487	5.64E-14
IFI16	0.400775684	5.71E-14
PRKCH	0.400390372	6.06E-14
SAMSN1	0.400291376	6.16E-14
PSME2	0.398584208	8.04E-14
HMHA1	0.398298775	8.40E-14
MNDA	0.398174976	8.57E-14
CAPZA1	0.398145577	8.60E-14
IRF5	0.39693809	1.04E-13
CD37	0.395079129	1.38E-13
BIN2	0.394255027	1.57E-13
HLA-DQA	0.393889065	1.66E-13
PLAC8	0.393401628	1.79E-13
NFKB2	0.391534743	2.37E-13
GPX1	0.390798618	2.65E-13
TLR7	0.389770081	3.10E-13
SAMHD1	0.38777054	4.19E-13
RNASET2	0.387143026	4.60E-13
SIGLEC16	0.386972305	4.72E-13
TNFRSF1A	0.385697443	5.71E-13
CTSD	0.384669344	6.65E-13
PLEKHO2	0.383089429	8.40E-13
CSTB	0.381828324	1.01E-12
C3AR1	0.380738772	1.19E-12
ITGAX	0.380145369	1.29E-12
CREG1	0.378477917	1.65E-12

MANBA	0.378468305	1.65E-12
TGFBR2	0.378329882	1.69E-12
COTL1	0.376776576	2.11E-12
BTN3A2	0.376578562	2.17E-12
S100A8	0.376465025	2.21E-12
CXCL16	0.3752763	2.62E-12
TRIM14	0.374656874	2.86E-12
BRI3	0.37395647	3.17E-12
TGFB1	0.372259073	4.03E-12
RIN3	0.372122551	4.11E-12
FCGR3B	0.36934925	6.09E-12
BAX	0.36890403	6.48E-12
LGALS9	0.368610153	6.75E-12
TRIM22	0.36766053	7.72E-12
POU2F2	0.365651391	1.02E-11
SERPINB9	0.364214035	1.25E-11
PVRL2	0.363820743	1.32E-11
ARF6	0.359302112	2.44E-11
TMBIM1	0.357506101	3.12E-11
RHOG	0.353254006	5.51E-11
SERPINB6	0.351919061	6.58E-11
IGSF6	0.349683934	8.84E-11
TMEM17C	0.34866232	1.01E-10
IL6R	0.347279381	1.21E-10
AGA	0.345283836	1.57E-10
NEU1	0.341756584	2.47E-10
FCGR1A	0.339668506	3.22E-10
JAK2	0.334469751	6.19E-10
CPPED1	0.334314691	6.31E-10
PRKCD	0.334292952	6.33E-10
FFAR3	0.331838549	8.57E-10
INPP5D	0.331275394	9.19E-10
DDOST	0.329274794	1.17E-09
LAT2	0.328637667	1.27E-09
TRPM2	0.327536777	1.45E-09
REL	0.32746789	1.46E-09
GIMAP5	0.32597659	1.75E-09
TREM2	0.325158067	1.93E-09
HLA-DQB	0.320967832	3.19E-09
LILRA2	0.318228368	4.41E-09
ELF1	0.318147145	4.45E-09
IRF8	0.318073236	4.49E-09
TNFSF12	0.317823748	4.62E-09
LY86	0.317323515	4.90E-09
VSIG4	0.316405034	5.46E-09
GCA	0.315976992	5.74E-09
ACTB	0.314949989	6.46E-09
RGS1	0.313638392	7.52E-09
PRDX6	0.31256501	8.51E-09
EBI3	0.310948907	1.02E-08
HPSE	0.309481782	1.21E-08

AMPD3	0.309112444	1.26E-08
GAS6	0.308365958	1.37E-08
APBB1IP	0.303624742	2.34E-08
HLA-H	0.302677473	2.60E-08
SARM1	-0.302225896	2.73E-08
RAC3	-0.311664836	9.44E-09
PRKCE	-0.318745988	4.15E-09
MYO10	-0.392420526	2.07E-13
TBKBP1	-0.408710333	1.62E-14
