

CHR1	SNP1	CHR2	SNP2	OR_INT	STAT	P	Gene 1	Gene 2
14	chr14_64897018	19	chr19_10464687	0.5653	17.89	2.34E-05	MIR548AZ	TYK2
16	chr16_11363025	17	chr17_78171944	3.954	17.89	2.34E-05	CARD14	TNP2
14	chr14_64897018	19	chr19_10472933	0.5768	17.88	2.35E-05	MIR548AZ	TYK2
5	chr5_158705065	10	chr10_75564624	0.302	17.52	2.85E-05	NDST2	UBLCP1
1	chr1_234565787	9	chr9_32633719	7.783	15.54	8.06E-05	TAFIL	TARBP1
14	chr14_64896783	19	chr19_10472933	0.594	15.35	8.95E-05	MIR548AZ	TYK2
14	chr14_64896783	19	chr19_10464687	0.5831	15.22	9.56E-05	MIR548AZ	TYK2
5	chr5_158750013	12	chr12_56398287	0.2036	15.21	9.63E-05	IL12B	SUOX
1	chr1_234584446	16	chr16_11444716	0.8572	14.91	0.0001125	RMI2	TARBP1
3	chr3_101576077	17	chr17_26084532	8.036	14.83	0.0001178	NFKBIZ	NOS2
2	chr2_103095494	5	chr5_132035036	8.852	14.61	0.0001322	KIF3A	SLC9A4
17	chr17_38029120	17	chr17_38073422	0.1839	14	0.0001824	GSDMB	ZBPB2
14	chr14_64897018	19	chr19_10475652	1.655	13.66	0.0002187	MIR548AZ	TYK2
1	chr1_158987941	12	chr12_6619794	4.649	13.43	0.0002477	IFI16	NCAPD2
2	chr2_103095494	17	chr17_38029120	0.8122	13.39	0.0002528	SLC9A4	ZBPB2
1	chr1_158986477	10	chr10_75214255	0.1029	13.3	0.0002647	IFI16	PPP3CB
12	chr12_6500105	12	chr12_6562768	0.7825	13.26	0.0002707	LTBR	TAPBPL
5	chr5_150414388	20	chr20_48599549	0.7276	13.26	0.0002714	SNAI1	TNIP1
10	chr10_81058027	12	chr12_6626369	0.8729	13.24	0.0002741	NCAPD2	ZMIZ1
5	chr5_96124296	12	chr12_56336096	0.08934	13.18	0.0002826	DGKA	ERAP1
2	chr2_102641201	4	chr4_103514445	0.8799	13.1	0.0002949	IL1R2	NFKB1
2	chr2_103011237	6	chr6_111887624	0.2955	13.09	0.000297	IL18R1	TRAF3IP2-AS1
1	chr1_158986477	12	chr12_6619794	4.226	13.07	0.0003003	IFI16	NCAPD2
2	chr2_102960007	12	chr12_112471183	0.1753	13.06	0.0003015	IL1RL1	NAA25
2	chr2_102960007	12	chr12_6619334	2.416	12.99	0.0003135	IL1RL1	NCAPD2
5	chr5_150111027	19	chr19_49206631	4.188	12.98	0.000314	DCTN4	FUT2
2	chr2_103130373	5	chr5_132035036	6.739	12.96	0.0003179	KIF3A	SLC9A4
2	chr2_102960007	10	chr10_81060474	1.14	12.93	0.0003229	IL1RL1	ZMIZ1
2	chr2_103039873	5	chr5_132035036	5.749	12.91	0.000326	IL18RAP	KIF3A
5	chr5_150413406	20	chr20_48599549	0.7376	12.84	0.0003396	SNAI1	TNIP1
1	chr1_158986225	10	chr10_75214255	0.0847	12.84	0.00034	IFI16	PPP3CB
14	chr14_64896783	19	chr19_10475652	1.649	12.81	0.0003444	MIR548AZ	TYK2
3	chr3_169500450	17	chr17_40481529	0.2633	12.71	0.0003635	MYNN	STAT3
5	chr5_150414960	20	chr20_48599549	0.7322	12.69	0.0003674	SNAI1	TNIP1
4	chr4_103488284	12	chr12_6626369	0.1612	12.69	0.0003685	NCAPD2	NFKB1
1	chr1_158986225	12	chr12_6619794	4.729	12.68	0.000369	IFI16	NCAPD2
1	chr1_172502981	18	chr18_12984340	7.608	12.61	0.0003828	SEHIL	SUCO
1	chr1_152681717	1	chr1_158986225	0.457	12.57	0.000391	IFI16	LCE4A
17	chr17_40459737	19	chr19_49447806	5.421	12.55	0.0003954	DHDH	STAT5A
2	chr2_102955683	12	chr12_112471183	0.1819	12.53	0.0004012	IL1RL1	NAA25
16	chr16_31122571	17	chr17_26110155	7.752	12.41	0.0004272	BCKDK	NOS2
2	chr2_103040182	5	chr5_132035036	5.531	12.29	0.0004549	IL18RAP	KIF3A
2	chr2_102998279	6	chr6_111887624	0.3111	12.29	0.0004566	IL18R1	TRAF3IP2-AS1
18	chr18_12984213	19	chr19_53454387	11.18	12.26	0.0004622	SEHIL	ZNF816
16	chr16_11009267	17	chr17_38031714	1.188	12.26	0.0004623	CIITA	ZBPB2
17	chr17_38031714	17	chr17_38073422	0.1742	12.24	0.0004678	GSDMB	ZBPB2
5	chr5_131720157	5	chr5_150566792	0.2669	12.21	0.0004743	CCDC69	SLC22A5
1	chr1_234563556	3	chr3_102154071	5.736	12.2	0.0004769	TARBP1	ZPLD1
5	chr5_158750013	16	chr16_31340664	0.191	12.2	0.000478	IL12B	ITGAM
6	chr6_405088	12	chr12_6495275	0.2609	12.16	0.000488	IRF4	LTBR
2	chr2_103006448	5	chr5_132035036	5.16	12.15	0.0004904	IL18R1	KIF3A
4	chr4_103557251	6	chr6_395246	2.702	12.13	0.0004949	IRF4	MANBA
2	chr2_62728046	16	chr16_31373240	0.4431	12.12	0.0004983	ITGAX	TMEM17
2	chr2_102984671	12	chr12_6619334	2.442	12.11	0.0005008	IL18R1	NCAPD2
12	chr12_6636392	17	chr17_74007641	6.906	12.11	0.0005017	EVPL	NCAPD2
2	chr2_103095494	17	chr17_38031714	0.8176	12.09	0.0005066	SLC9A4	ZBPB2
12	chr12_6495275	12	chr12_6562768	0.7877	12.06	0.000515	LTBR	TAPBPL
2	chr2_103006387	12	chr12_112471183	0.1972	12.06	0.000515	IL18R1	NAA25
1	chr1_234584446	17	chr17_73723532	2.848	12.05	0.0005188	ITGB4	TARBP1
2	chr2_103006448	19	chr19_49671451	3.814	12	0.000532	IL18R1	TRPM4
1	chr1_172634903	2	chr2_103090127	0.1208	11.97	0.000542	FASLG	SLC9A4
5	chr5_150566792	12	chr12_6128621	0.1726	11.93	0.0005517	CCDC69	VWF
4	chr4_103561106	13	chr13_40293984	11.88	11.93	0.0005521	COG6	MANBA

16	chr16_10996577	17	chr17_78180618	1.657	11.92	0.0005558	CARD14	CIITA
11	chr11_65422853	16	chr16_31122571	1.22	11.9	0.0005605	BCKDK	RELA
2	chr2_103130373	17	chr17_38029120	0.8279	11.89	0.0005658	SLC9A4	ZBP2
1	chr1_206972442	5	chr5_96121715	2.275	11.85	0.0005753	ERAP1	IL19
5	chr5_40269824	17	chr17_40716235	5.387	11.84	0.000579	COASY	LINC00603, PTGER4
17	chr17_26110007	17	chr17_78178182	6.7	11.84	0.0005792	CARD14	NOS2
2	chr2_102641201	4	chr4_103534560	0.8827	11.81	0.0005895	IL1R2	NFKB1
2	chr2_103040177	6	chr6_111887624	0.3197	11.81	0.0005897	IL18RAP	TRAF3IP2-AS1
17	chr17_26084532	19	chr19_49095114	10.62	11.8	0.0005936	NOS2	SULT2B1
17	chr17_26110007	17	chr17_78178189	6.676	11.8	0.0005939	CARD14	NOS2
10	chr10_90034899	17	chr17_74169949	9.427	11.78	0.0005986	RNF157	RNLS
1	chr1_159002222	16	chr16_31332628	0.2483	11.77	0.0006024	IFI16	ITGAM
17	chr17_78178182	19	chr19_53357378	6.077	11.76	0.0006047	CARD14	ZNF468
3	chr3_121647656	19	chr19_10104154	1.175	11.74	0.0006111	COL5A3	SLC15A2
2	chr2_102968007	5	chr5_132035036	4.723	11.72	0.0006188	IL1RL1	KIF3A
12	chr12_56604526	17	chr17_78178189	3.501	11.71	0.0006222	CARD14	RNF41
2	chr2_102957348	11	chr11_128354978	10.63	11.66	0.0006374	ETS1	IL1RL1
2	chr2_103095494	17	chr17_38063381	0.8199	11.64	0.000644	GSDMB	SLC9A4
17	chr17_73888273	17	chr17_78247114	20.27	11.64	0.0006469	RNF213	TRIM65
7	chr7_37298903	18	chr18_12984340	4.155	11.61	0.0006558	ELMO1	SEH1L
2	chr2_103090127	12	chr12_112471183	0.2068	11.56	0.0006721	NAA25	SLC9A4
6	chr6_351163	12	chr12_6483463	3.379	11.53	0.0006865	DUSP22	SCNN1A
17	chr17_38063381	17	chr17_73888273	1.21	11.52	0.0006873	GSDMB	TRIM65
17	chr17_38063381	19	chr19_53357239	1.446	11.52	0.0006878	GSDMB	ZNF468
5	chr5_79768604	12	chr12_6483463	0.2657	11.52	0.0006901	SCNN1A	ZFYVE16
12	chr12_111992217	17	chr17_38153554	8.223	11.49	0.0007008	ATXN2	PSMD3
3	chr3_169500450	17	chr17_40459737	3.698	11.47	0.0007086	MYNN	STAT5A
16	chr16_11009267	17	chr17_38029120	1.176	11.45	0.0007144	CIITA	ZBP2
1	chr1_234546228	19	chr19_10085062	0.06149	11.43	0.0007218	COL5A3	TARBP1
1	chr1_206972442	5	chr5_96117300	2.242	11.43	0.0007226	ERAP1	IL19
3	chr3_45187671	5	chr5_131822829	6.603	11.43	0.0007237	CDCP1	IRF1
2	chr2_103095494	17	chr17_38024626	0.8218	11.42	0.0007268	SLC9A4	ZBP2
1	chr1_67889571	5	chr5_131995866	4.226	11.41	0.0007302	IL13	SERBP1
2	chr2_103130373	19	chr19_10114795	6.315	11.4	0.0007332	COL5A3	SLC9A4
1	chr1_159002778	16	chr16_31332628	0.2683	11.39	0.0007396	IFI16	ITGAM
2	chr2_163136771	16	chr16_31372344	9.741	11.35	0.000755	IFIH1	ITGAX
2	chr2_103125466	20	chr20_48439692	0.2147	11.35	0.0007564	SLC9A4	SLC9A8
5	chr5_96235958	5	chr5_150566792	0.3311	11.34	0.0007582	CCDC69	ERAP2
16	chr16_11009267	17	chr17_38063381	1.18	11.33	0.0007612	CIITA	GSDMB
2	chr2_103095494	11	chr11_128354978	12.38	11.32	0.0007656	ETS1	SLC9A4
12	chr12_6562768	17	chr17_74007641	7.386	11.32	0.0007663	EVPL	TAPBP1
2	chr2_102968211	5	chr5_132035036	4.738	11.32	0.0007672	IL1RL1	KIF3A
2	chr2_102998279	3	chr3_45187671	1.184	11.28	0.0007846	CDCP1	IL18R1
2	chr2_163137871	16	chr16_31372344	9.651	11.26	0.0007926	IFIH1	ITGAX
2	chr2_102955683	12	chr12_6619334	2.302	11.24	0.0008017	IL1RL1	NCAPD2
11	chr11_65422853	16	chr16_30936081	1.235	11.24	0.0008026	FBXL19	RELA
2	chr2_102968211	12	chr12_56482032	14.83	11.23	0.0008058	ERBB3	IL1RL1
1	chr1_234563556	9	chr9_32633719	4.829	11.23	0.0008068	TAF1L	TARBP1
2	chr2_103011237	3	chr3_45187671	1.185	11.19	0.0008213	CDCP1	IL18R1
1	chr1_234573171	9	chr9_32633719	4.813	11.18	0.0008268	TAF1L	TARBP1
2	chr2_61389935	12	chr12_6483851	0.2323	11.18	0.0008279	C2orf74	SCNN1A
20	chr20_48461713	20	chr20_48524827	3.828	11.17	0.0008303	SLC9A8	SPATA2
2	chr2_102957348	5	chr5_132035036	5.067	11.16	0.0008348	IL1RL1	KIF3A
2	chr2_103006448	3	chr3_45187671	1.188	11.16	0.000838	CDCP1	IL18R1
4	chr4_103594938	12	chr12_56437315	0.283	11.15	0.0008392	MANBA	RPS26
2	chr2_102997884	5	chr5_132035036	5.063	11.15	0.0008398	IL18R1	KIF3A
12	chr12_6204763	17	chr17_40481529	3.384	11.15	0.00084	STAT3	VWF
2	chr2_103040945	12	chr12_112471183	0.2105	11.15	0.0008422	IL18RAP	NAA25
16	chr16_31095204	17	chr17_26110155	6.012	11.15	0.0008423	NOS2	PRSS53
2	chr2_62450631	19	chr19_49693774	4.284	11.14	0.0008449	B3GNT2	TRPM4
1	chr1_234573171	17	chr17_73723532	2.82	11.14	0.000846	ITGB4	TARBP1
1	chr1_26524108	4	chr4_103594938	2.556	11.11	0.0008584	CATSPER4	MANBA
17	chr17_26110007	17	chr17_78178170	0.1814	11.09	0.0008688	CARD14	NOS2
1	chr1_67838353	5	chr5_96222185	3.255	11.09	0.00087	ERAP2	IL12RB2

12	chr12_6464958	19	chr19_10472933	0.3211	11.09	0.0008702	SCNN1A	TYK2
1	chr1_234565787	17	chr17_73723532	2.797	11.08	0.0008743	ITGB4	TARBP1
17	chr17_38024626	17	chr17_38073422	0.2154	11.06	0.0008836	GSDMB	ZBPB2
3	chr3_45187671	5	chr5_79374474	0.2781	11.06	0.0008842	CDCP1	CTD-2201I18.1
1	chr1_152759678	17	chr17_40498461	0.6398	11.06	0.0008845	LCE1E	STAT3
17	chr17_38029120	19	chr19_53357239	1.424	11.04	0.0008894	ZNF468	ZBPB2
17	chr17_78171944	19	chr19_10096742	0.5268	11.04	0.000891	CARD14	COL5A3
2	chr2_103040177	5	chr5_132035036	4.789	11.02	0.0009033	IL18RAP	KIF3A
1	chr1_152329369	1	chr1_206972365	5.86	11.01	0.0009061	FLG2	IL19
16	chr16_31095251	17	chr17_26110155	5.869	10.99	0.0009137	NOS2	PRSS53
2	chr2_103130373	11	chr11_128354978	11.95	10.99	0.0009144	ETS1	SLC9A4
4	chr4_103806467	12	chr12_6861043	0.1391	10.99	0.0009163	CISD2, SLC9B1	MLF2
2	chr2_103136485	5	chr5_96252998	3.073	10.96	0.0009308	ERAP2	SLC9A4
12	chr12_6632473	16	chr16_11444716	7.505	10.96	0.0009314	NCAPD2	RMI2
1	chr1_152732436	4	chr4_103516049	3.779	10.94	0.0009392	KPRP	NFKB1
2	chr2_102968362	5	chr5_96116995	5.773	10.92	0.0009526	ERAP1	IL1RL1
1	chr1_152595565	2	chr2_163291617	0.1995	10.92	0.0009531	KCNH7	LCE3A
12	chr12_56385966	13	chr13_20763612	0.07429	10.92	0.0009531	GJB2	RAB5B
12	chr12_6626369	17	chr17_38345233	4.458	10.91	0.0009574	NCAPD2	RAPGEFL1
5	chr5_150566792	11	chr11_128426166	0.07442	10.9	0.0009593	CCDC69	ETS1
8	chr8_3245242	17	chr17_78178182	0.3681	10.87	0.0009783	CARD14	CSMD1
2	chr2_103130373	17	chr17_38024626	0.8314	10.87	0.0009788	SLC9A4	ZBPB2
2	chr2_103011237	12	chr12_6623942	0.1221	10.86	0.0009845	IL18R1	NCAPD2
19	chr19_10108850	19	chr19_10264986	18.66	10.84	0.0009915	COL5A3	DNMT1
2	chr2_62450631	6	chr6_138197186	8.869	10.84	0.0009958	B3GNT2	TNFAIP3
2	chr2_103130373	17	chr17_38031714	0.8326	10.82	0.001005	SLC9A4	ZBPB2
1	chr1_152277066	16	chr16_11444716	0.1926	10.81	0.001012	FLG	RMI2
17	chr17_78178830	19	chr19_53357378	0.1868	10.81	0.001012	CARD14	ZNF468
5	chr5_158705065	8	chr8_3245242	0.369	10.8	0.001017	CSMD1	UBLCP1
2	chr2_103006387	10	chr10_81060474	1.123	10.74	0.001047	IL18R1	ZMIZ1
3	chr3_121631979	12	chr12_6861043	0.3059	10.74	0.001051	MLF2	SLC15A2
2	chr2_163136727	16	chr16_31372344	9.109	10.71	0.001065	IFIH1	ITGAX
1	chr1_152770589	17	chr17_26116762	0.3609	10.7	0.001071	LCE1D	NOS2
8	chr8_3245242	17	chr17_78178189	0.3614	10.7	0.001071	CARD14	CSMD1
1	chr1_152759678	4	chr4_103516049	3.814	10.7	0.001073	LCE1E	NFKB1
2	chr2_103121682	17	chr17_26116896	0.2858	10.69	0.001076	NOS2	SLC9A4
2	chr2_103125466	12	chr12_6619334	2.149	10.69	0.001076	NCAPD2	SLC9A4
5	chr5_158753821	19	chr19_10108861	13.57	10.69	0.001077	COL5A3	IL12B
1	chr1_207009910	12	chr12_56480471	0.1797	10.67	0.001091	ERBB3	IL19
1	chr1_67889571	12	chr12_112525537	0.2559	10.65	0.001098	NAA25	SERBP1
1	chr1_152770589	4	chr4_103516049	4.188	10.64	0.001105	LCE1D	NFKB1
10	chr10_81056383	19	chr19_49206631	1.215	10.64	0.001109	FUT2	ZMIZ1
17	chr17_78093204	19	chr19_53454387	6.574	10.62	0.001116	GAA	ZNF816
2	chr2_62728105	16	chr16_31373240	0.4716	10.61	0.001127	ITGAX	TMEM17
2	chr2_62450631	12	chr12_56362011	0.03159	10.59	0.001136	B3GNT2	CDK2
12	chr12_6861043	12	chr12_56436112	5.368	10.58	0.00114	MLF2	RPS26
5	chr5_96509055	6	chr6_111922466	0.2843	10.58	0.001146	RIOK2	TRAF3IP2-AS1
17	chr17_26084532	17	chr17_40481596	2.503	10.57	0.00115	NOS2	STAT3
1	chr1_234573171	5	chr5_96124296	1.204	10.56	0.001156	ERAP1	TARBP1
2	chr2_62728105	19	chr19_10080537	2.608	10.56	0.001157	COL5A3	TMEM17
1	chr1_26524108	4	chr4_103594918	2.553	10.54	0.001168	CATSPER4	MANBA
2	chr2_102641201	4	chr4_103553090	1.122	10.53	0.001174	IL1R2	MANBA
2	chr2_102955683	10	chr10_81060474	1.127	10.53	0.001176	IL1RL1	ZMIZ1
17	chr17_78178170	19	chr19_53357378	0.1994	10.53	0.001177	CARD14	ZNF468
5	chr5_132035036	17	chr17_78178189	2.846	10.52	0.00118	CARD14	KIF3A
12	chr12_6483463	18	chr18_12802181	7.013	10.52	0.001182	PTPN2	SCNN1A
5	chr5_158750013	16	chr16_11066958	0.2409	10.51	0.001187	CLEC16A	IL12B
2	chr2_102641201	17	chr17_38153712	0.3056	10.51	0.001188	IL1R2	PSMD3
1	chr1_158987941	16	chr16_31332628	0.3263	10.5	0.001191	IFI16	ITGAM
1	chr1_207013378	5	chr5_96237114	6.52	10.48	0.001205	ERAP2	IL19
1	chr1_172633592	2	chr2_102967928	3.117	10.46	0.001218	FASLG	IL1RL1
1	chr1_234584446	9	chr9_32633719	4.478	10.46	0.001219	TAFIL	TARBP1
2	chr2_103006448	12	chr12_6623942	0.1389	10.46	0.00122	IL18R1	NCAPD2
5	chr5_158750013	14	chr14_64896783	1.521	10.44	0.001234	IL12B	MIR548AZ

1	chr1_172634903	2	chr2_103006387	0.1814	10.44	0.001236	FASLG	IL18R1
5	chr5_96237114	5	chr5_131726375	19.28	10.44	0.001236	ERAP2	SLC22A5
2	chr2_103006448	12	chr12_56437315	0.1208	10.43	0.001237	IL18R1	RPS26
2	chr2_61180244	5	chr5_96237114	2.26	10.43	0.001237	ERAP2	PUS10
1	chr1_152681717	1	chr1_158986477	0.4828	10.42	0.001248	IFI16	LCE4A
2	chr2_62450631	12	chr12_6636339	0.2211	10.42	0.00125	B3GNT2	NCAPD2
17	chr17_78180618	19	chr19_53453585	4.932	10.41	0.001256	CARD14	ZNF816
8	chr8_3245242	17	chr17_78178170	2.825	10.41	0.001256	CARD14	CSMD1
1	chr1_158986225	17	chr17_26115966	0.2209	10.4	0.00126	IFI16	NOS2
1	chr1_206972442	5	chr5_96118852	2.147	10.4	0.001263	ERAP1	IL19
12	chr12_111992217	17	chr17_38173143	5.77	10.39	0.001267	ATXN2	CSF3
17	chr17_78178189	19	chr19_53357378	5.128	10.39	0.001267	CARD14	ZNF468
12	chr12_6562768	21	chr21_36080162	0.1445	10.38	0.001272	CLIC6	TAPBP1
1	chr1_8029505	17	chr17_38173143	0.3224	10.37	0.001279	CSF3	PARK7
2	chr2_102998279	12	chr12_6623942	0.134	10.37	0.001283	IL18R1	NCAPD2
2	chr2_102968211	12	chr12_56437315	0.1209	10.35	0.001298	IL1RL1	RPS26
6	chr6_111913262	12	chr12_6495275	0.2497	10.34	0.0013	LTBR	TRAF3IP2
5	chr5_131785546	11	chr11_65601560	18.61	10.34	0.001302	C5orf56	SNX32
11	chr11_65771097	12	chr12_56733531	8.58	10.34	0.001303	BANF1	IL23A
1	chr1_158987941	16	chr16_31332719	0.2277	10.34	0.001304	IFI16	ITGAM
2	chr2_163138986	17	chr17_78178830	0.2773	10.33	0.001307	CARD14	IFIH1
2	chr2_163138986	17	chr17_78178182	3.856	10.32	0.001316	CARD14	IFIH1
2	chr2_102957348	17	chr17_38024626	0.841	10.31	0.001324	IL1RL1	ZBP2
2	chr2_103125457	12	chr12_10251227	3.816	10.29	0.001334	CLEC1A	SLC9A4
1	chr1_158990412	12	chr12_6619794	3.629	10.29	0.001335	IFI16	NCAPD2
2	chr2_103125457	14	chr14_35761791	0.2139	10.29	0.001339	PSMA6	SLC9A4
2	chr2_102957348	17	chr17_38029120	0.8443	10.28	0.001347	IL1RL1	ZBP2
2	chr2_163137695	16	chr16_31372344	8.724	10.28	0.001348	IFIH1	ITGAX
2	chr2_102984624	18	chr18_12978733	1.2	10.27	0.00135	IL18R1	SEH1L
12	chr12_6604076	17	chr17_38345233	4.403	10.26	0.001359	NCAPD2	RAPGEFL1
2	chr2_163138986	17	chr17_78178189	3.81	10.26	0.001359	CARD14	IFIH1
2	chr2_102967928	20	chr20_48599604	6.758	10.23	0.001384	IL1RL1	SNAI1
2	chr2_61108996	7	chr7_37251085	3.734	10.23	0.001385	ELMO1	REL
2	chr2_103040177	19	chr19_49671451	3.159	10.22	0.001388	IL18RAP	TRPM4
2	chr2_62733253	12	chr12_56427125	7.35	10.22	0.001388	IKZF4	TMEM17
1	chr1_234563556	17	chr17_73723532	2.687	10.22	0.00139	ITGB4	TARBP1
2	chr2_162875478	17	chr17_38153473	2.612	10.21	0.001397	DPP4	PSMD3
17	chr17_40939982	20	chr20_48522585	5.588	10.21	0.001398	SPATA2	WNK4
2	chr2_102998279	12	chr12_56437315	0.1249	10.2	0.001404	IL18R1	RPS26
2	chr2_61128164	2	chr2_62733253	0.3864	10.2	0.001406	REL	TMEM17
1	chr1_158990412	12	chr12_56398626	2.252	10.19	0.001411	IFI16	SUOX
5	chr5_150496853	16	chr16_31122571	1.448	10.19	0.001414	ANXA6	BCKDK
2	chr2_61180244	5	chr5_96222183	2.253	10.19	0.001415	ERAP2	PUS10
2	chr2_102960007	10	chr10_81058027	1.124	10.17	0.001427	IL1RL1	ZMIZ1
2	chr2_102984624	12	chr12_56482032	11.75	10.16	0.001438	ERBB3	IL18R1
2	chr2_102984624	12	chr12_56437315	0.1237	10.15	0.001441	IL18R1	RPS26
1	chr1_67633930	5	chr5_96121994	0.4392	10.13	0.001461	ERAP1	IL23R
4	chr4_103594918	12	chr12_56437315	0.2958	10.13	0.001462	MANBA	RPS26
1	chr1_158986477	16	chr16_31332719	0.2393	10.12	0.001465	IFI16	ITGAM
2	chr2_102641201	4	chr4_103557219	0.8917	10.12	0.001469	IL1R2	MANBA
18	chr18_12984340	19	chr19_49141336	6.474	10.11	0.001472	SEC1P	SEH1L
5	chr5_158750013	18	chr18_61649161	4.726	10.1	0.001479	IL12B	SERPINB8
12	chr12_56676834	20	chr20_48467560	0.2562	10.1	0.001481	CS	SLC9A8
1	chr1_12249031	2	chr2_61190024	0.1357	10.1	0.001482	PUS10	TNFRSF1B
6	chr6_312197	12	chr12_111895203	5.895	10.1	0.001483	ATXN2	DUSP22
17	chr17_26084532	17	chr17_73519443	4.526	10.1	0.001484	NOS2	TSEN54
5	chr5_131658092	10	chr10_81058027	0.2472	10.09	0.001488	LOC553103	ZMIZ1
2	chr2_103039873	12	chr12_6623942	0.1208	10.09	0.001493	IL18RAP	NCAPD2
1	chr1_207009910	2	chr2_61118739	0.5539	10.09	0.001494	IL19	REL
12	chr12_56604526	17	chr17_78178830	0.3075	10.08	0.001501	CARD14	RNF41
1	chr1_234573171	16	chr16_11444716	0.8809	10.05	0.001522	RMI2	TARBP1
2	chr2_103090127	10	chr10_81060474	1.122	10.04	0.001528	SLC9A4	ZMIZ1
17	chr17_38024626	19	chr19_53357239	1.415	10.03	0.001541	ZNF468	ZBP2
10	chr10_101934235	11	chr11_9853777	0.7871	10.03	0.001542	ERLIN1	SBF2

2	chr2_102636285	14	chr14_35761675	0.3753	10.02	0.001546	IL1R2	PSMA6
1	chr1_152732436	1	chr1_234573171	1.119	10	0.001561	KPRP	TARBP1
1	chr1_152760075	4	chr4_103516049	4.272	10	0.001562	LCE1E	NFKB1
20	chr20_48461713	20	chr20_48522585	3.443	9.993	0.001571	SLC9A8	SPATA2
1	chr1_234573171	3	chr3_102154071	4.472	9.984	0.001579	TARBP1	ZPLD1
1	chr1_159002778	17	chr17_38153711	4.826	9.981	0.001582	IFI16	PSMD3
4	chr4_103537442	10	chr10_75136022	0.1072	9.98	0.001582	ANXA7	NFKB1
1	chr1_152759678	12	chr12_6167131	2.314	9.979	0.001583	LCE1E	VWF
16	chr16_11009267	17	chr17_38024626	1.169	9.968	0.001593	CIITA	ZPBP2
2	chr2_103011237	5	chr5_132035036	4.187	9.966	0.001594	IL18R1	KIF3A
11	chr11_65422853	16	chr16_31095204	1.194	9.964	0.001596	PRSS53	RELA
2	chr2_102967928	12	chr12_56482032	11.5	9.959	0.001601	ERBB3	IL1RL1
17	chr17_38031714	21	chr21_35174730	2.993	9.947	0.001611	ITSN1	ZPBP2
5	chr5_158750013	14	chr14_64897018	1.499	9.943	0.001615	IL12B	MIR548AZ
2	chr2_102960007	17	chr17_40459737	0.8941	9.92	0.001635	IL1RL1	STAT5A
2	chr2_103040945	10	chr10_81060474	1.12	9.918	0.001637	IL18RAP	ZMZ1
2	chr2_102955683	17	chr17_40459737	0.8934	9.916	0.001639	IL1RL1	STAT5A
2	chr2_103006448	17	chr17_40272662	12.23	9.911	0.001643	IL18R1	KAT2A
5	chr5_96339273	16	chr16_31289401	3.917	9.904	0.001649	ITGAM	LNPEP
2	chr2_102968356	12	chr12_56482032	11.42	9.902	0.001651	ERBB3	IL1RL1
2	chr2_102968007	12	chr12_56482032	11.41	9.892	0.00166	ERBB3	IL1RL1
1	chr1_7861197	1	chr1_67889571	2.022	9.889	0.001662	PER3	SERBP1
1	chr1_152760075	12	chr12_6167131	2.473	9.888	0.001663	LCE1E	VWF
2	chr2_61180244	5	chr5_96232222	2.215	9.887	0.001664	ERAP2	PUS10
1	chr1_207015917	12	chr12_6626369	2.161	9.885	0.001667	IL19	NCAPD2
5	chr5_150496924	16	chr16_31122571	1.645	9.874	0.001677	ANXA6	BCKDK
2	chr2_103095494	19	chr19_10114795	4.614	9.868	0.001682	COL5A3	SLC9A4
2	chr2_163138986	17	chr17_78178170	0.2418	9.86	0.001689	CARD14	IFIH1
2	chr2_103040945	4	chr4_103561106	1.196	9.857	0.001691	IL18RAP	MANBA
2	chr2_103011237	17	chr17_40272662	16.66	9.853	0.001695	IL18R1	KAT2A
9	chr9_32630600	19	chr19_53454387	4.126	9.844	0.001704	TAF1L	ZNF816
1	chr1_234607086	12	chr12_56744010	5.673	9.83	0.001717	STAT2	TARBP1
1	chr1_152760075	12	chr12_112479891	2.472	9.828	0.001718	LCE1E	NAA25
10	chr10_75857010	17	chr17_78180618	2.426	9.827	0.00172	CARD14	VCL
2	chr2_62450631	3	chr3_169485966	0.2675	9.82	0.001726	ACTRT3	B3GNT2
1	chr1_11917786	1	chr1_12249031	2.947	9.813	0.001733	NPPB	TNFRSF1B
10	chr10_101934036	19	chr19_10464687	2.809	9.81	0.001735	ERLIN1	TYK2
2	chr2_102968362	12	chr12_56482032	11.29	9.81	0.001736	ERBB3	IL1RL1
2	chr2_61128164	5	chr5_96237114	2.771	9.809	0.001736	ERAP2	REL
13	chr13_40293499	19	chr19_10472933	0.155	9.807	0.001738	COG6	TYK2
12	chr12_6636392	21	chr21_36080162	0.1629	9.805	0.00174	CLIC6	NCAPD2
16	chr16_10998482	16	chr16_30936081	0.77	9.804	0.001741	CIITA	FBXL19
16	chr16_11444716	17	chr17_78117807	1.218	9.799	0.001746	EIF4A3	RMI2
2	chr2_102968356	12	chr12_56437315	0.1306	9.794	0.001751	IL1RL1	RPS26
1	chr1_207013378	5	chr5_96232222	5.412	9.791	0.001754	ERAP2	IL19
2	chr2_62733253	19	chr19_10813064	0.285	9.784	0.00176	QTRT1	TMEM17
12	chr12_10562097	17	chr17_38153473	0.237	9.783	0.001762	KLRC4	PSMD3
2	chr2_103040177	17	chr17_40272662	11.99	9.76	0.001783	IL18RAP	KAT2A
1	chr1_206646346	11	chr11_65422853	7.403	9.759	0.001785	IKBKE	RELA
1	chr1_158986477	6	chr6_111912800	2.543	9.749	0.001794	IFI16	TRAF3IP2
2	chr2_61190024	5	chr5_96121069	8.19	9.749	0.001794	ERAP1	PUS10
1	chr1_152760075	17	chr17_26116762	0.3685	9.748	0.001795	LCE1E	NOS2
1	chr1_67838353	5	chr5_96222183	2.938	9.746	0.001797	ERAP2	IL12RB2
2	chr2_61128164	5	chr5_96232222	2.762	9.743	0.0018	ERAP2	REL
11	chr11_65601560	20	chr20_48467560	1.269	9.727	0.001816	SLC9A8	SNX32
1	chr1_159002222	12	chr12_56398626	2.231	9.724	0.001819	IFI16	SUOX
1	chr1_206972442	5	chr5_96129512	2.125	9.723	0.00182	ERAP1	IL19
2	chr2_102968362	5	chr5_132035036	3.787	9.722	0.001821	IL1RL1	KIF3A
1	chr1_207013378	5	chr5_96249323	6.303	9.716	0.001826	ERAP2	IL19
2	chr2_103039873	11	chr11_128354978	8.604	9.715	0.001828	ETS1	IL18RAP
5	chr5_131785425	20	chr20_48467560	11.95	9.714	0.001829	C5orf56	SLC9A8
2	chr2_62450631	16	chr16_11118724	0.3999	9.708	0.001835	B3GNT2	CLEC16A
1	chr1_67155976	2	chr2_102955683	0.1981	9.704	0.001839	IL1RL1	SGIP1
2	chr2_103039873	17	chr17_38024626	0.8472	9.699	0.001844	IL18RAP	ZPBP2

10	chr10_81072398	18	chr18_12979041	5.439	9.684	0.001859	SEHIL	ZMIZ1
1	chr1_159002222	17	chr17_73515227	3.219	9.68	0.001863	IFI16	TSEN54
3	chr3_121646806	5	chr5_96119546	3.007	9.68	0.001863	ERAP1	SLC15A2
5	chr5_150496853	16	chr16_31095251	1.416	9.676	0.001867	ANXA6	PRSS53
2	chr2_103006448	6	chr6_111887624	0.34	9.672	0.001871	IL18R1	TRAF3IP2-AS1
12	chr12_56604526	17	chr17_78178182	3.177	9.67	0.001873	CARD14	RNF41
12	chr12_10562097	17	chr17_38173143	0.2391	9.665	0.001878	CSF3	KLRC4
1	chr1_152732436	19	chr19_10421269	10.09	9.659	0.001884	FDX1L	KPRP
11	chr11_65422853	16	chr16_30938811	1.203	9.659	0.001884	FBXL19	RELA
1	chr1_158987941	20	chr20_48461713	0.3471	9.657	0.001886	IFI16	SLC9A8
3	chr3_121810428	5	chr5_96118852	2.875	9.657	0.001887	CD86	ERAP1
1	chr1_172634903	2	chr2_103125466	0.1816	9.653	0.001891	FASLG	SLC9A4
5	chr5_96121069	16	chr16_10989630	5.524	9.645	0.001899	CIITA	ERAP1
1	chr1_159023338	5	chr5_96237114	3.338	9.641	0.001902	ERAP2	IFI16
11	chr11_65422853	16	chr16_31095251	1.186	9.637	0.001906	PRSS53	RELA
6	chr6_138615085	10	chr10_81058027	11.95	9.632	0.001912	ARFGEF3	ZMIZ1
1	chr1_234607104	12	chr12_56744010	5.574	9.631	0.001914	STAT2	TARBP1
1	chr1_8037969	2	chr2_61108996	9.08	9.625	0.001919	PARK7	REL
1	chr1_159002778	17	chr17_74169949	0.2239	9.62	0.001924	IFI16	RNF157
4	chr4_103514445	12	chr12_6483662	6.268	9.609	0.001937	NFKB1	SCNN1A
11	chr11_9810776	19	chr19_10464687	0.3542	9.607	0.001939	SBF2	TYK2
2	chr2_103040182	11	chr11_128354978	8.511	9.602	0.001944	ETS1	IL18RAP
4	chr4_103537442	11	chr11_64543820	0.485	9.601	0.001944	NFKB1	SF1
16	chr16_10998482	17	chr17_38031714	1.152	9.599	0.001947	CIITA	ZPBP2
2	chr2_163149965	12	chr12_6131085	6.055	9.594	0.001953	IFIH1	VWF
4	chr4_103534560	10	chr10_75136022	0.1179	9.593	0.001953	ANXA7	NFKB1
2	chr2_102957348	17	chr17_38031714	0.847	9.585	0.001962	IL1RL1	ZPBP2
12	chr12_56384687	14	chr14_35872926	1.547	9.584	0.001963	NFKBIA	RAB5B
2	chr2_163137683	17	chr17_40716235	1.162	9.579	0.001968	COASY	IFIH1
1	chr1_206972442	5	chr5_96124447	2.064	9.574	0.001974	ERAP1	IL19
9	chr9_32633431	10	chr10_90034899	5.483	9.568	0.00198	RNLS	TAF1L
4	chr4_103594918	12	chr12_6619794	3.264	9.56	0.001989	MANBA	NCAPD2
2	chr2_103040177	18	chr18_12978733	1.193	9.556	0.001992	IL18RAP	SEHIL
1	chr1_152733376	17	chr17_40481599	4.575	9.549	0.002001	KPRP	STAT3
4	chr4_103557219	6	chr6_395246	2.309	9.544	0.002006	IRF4	MANBA
1	chr1_152785272	16	chr16_10998482	11.79	9.541	0.00201	CIITA	LCE1B
2	chr2_102998279	19	chr19_49671451	3.038	9.538	0.002013	IL18R1	TRPM4
2	chr2_102968007	12	chr12_56437315	0.132	9.536	0.002015	IL1RL1	RPS26
2	chr2_102967928	5	chr5_96116995	4.796	9.534	0.002017	ERAP1	IL1RL1
17	chr17_38029120	17	chr17_73888273	1.183	9.531	0.00202	TRIM65	ZPBP2
5	chr5_150496853	16	chr16_31095204	1.419	9.528	0.002024	ANXA6	PRSS53
2	chr2_103011237	19	chr19_49671451	3.078	9.526	0.002026	IL18R1	TRPM4
6	chr6_405088	12	chr12_6483463	2.566	9.526	0.002026	IRF4	SCNN1A
1	chr1_159023338	5	chr5_96232222	3.316	9.524	0.002028	ERAP2	IFI16
2	chr2_102968362	12	chr12_56437315	0.1336	9.522	0.00203	IL1RL1	RPS26
2	chr2_102984671	12	chr12_112471183	0.2522	9.519	0.002034	IL18R1	NAA25
2	chr2_61390140	12	chr12_6861043	10.63	9.518	0.002035	C2orf74	MLF2
1	chr1_159002778	12	chr12_6619794	3.452	9.504	0.00205	IFI16	NCAPD2
2	chr2_102641201	2	chr2_163137804	0.07348	9.492	0.002063	IFIH1	IL1R2
12	chr12_111895203	19	chr19_49141336	8.498	9.48	0.002077	ATXN2	SEC1P
4	chr4_103557251	12	chr12_6619794	3.634	9.48	0.002078	MANBA	NCAPD2
2	chr2_103125457	20	chr20_48439692	0.2579	9.475	0.002082	SLC9A4	SLC9A8
5	chr5_150443005	19	chr19_10461721	0.337	9.472	0.002086	TNIP1	TYK2
1	chr1_234563556	19	chr19_53456074	0.1295	9.47	0.002089	TARBP1	ZNF816,ZNF816-ZNF321P
12	chr12_122720489	19	chr19_10464687	3.285	9.469	0.002089	TYK2	VPS33A
1	chr1_152760075	13	chr13_40239296	0.1254	9.469	0.00209	COG6	LCE1E
4	chr4_103594938	16	chr16_31332719	0.2415	9.466	0.002093	ITGAM	MANBA
4	chr4_103534560	19	chr19_10090684	3.255	9.459	0.002101	COL5A3	NFKB1
12	chr12_56384687	14	chr14_35872307	1.584	9.456	0.002104	NFKBIA	RAB5B
17	chr17_38031714	19	chr19_53357239	1.394	9.452	0.00211	ZNF468	ZPBP2
3	chr3_121647656	19	chr19_10104272	1.148	9.442	0.00212	COL5A3	SLC15A2
12	chr12_6495275	12	chr12_6636392	0.8118	9.434	0.002129	LTBR	NCAPD2
16	chr16_31282433	17	chr17_40716235	3.463	9.435	0.002129	COASY	ITGAM
1	chr1_234565787	3	chr3_102154071	4.204	9.434	0.002131	TARBP1	ZPLD1

12	chr12_56384687	19	chr19_10091356	11.05	9.433	0.002131	COL5A3	RAB5B
17	chr17_78180618	19	chr19_53357378	0.2245	9.432	0.002132	CARD14	ZNF468
17	chr17_38079482	17	chr17_38153473	0.3286	9.424	0.002142	ORMDL3	PSMD3
2	chr2_103006448	5	chr5_96116995	4.203	9.42	0.002146	ERAP1	IL18R1
1	chr1_172633592	2	chr2_102968007	2.865	9.415	0.002152	FASLG	IL1RL1
2	chr2_62728105	19	chr19_10812975	3.697	9.412	0.002156	QTRT1	TMEM17
19	chr19_10104154	19	chr19_10465304	4.807	9.411	0.002157	COL5A3	TYK2
3	chr3_121810428	5	chr5_96117300	2.983	9.41	0.002158	CD86	ERAP1
2	chr2_102955683	17	chr17_40854482	5.979	9.409	0.002159	EZH1	IL1RL1
5	chr5_132035036	17	chr17_78178182	2.702	9.409	0.002159	CARD14	KIF3A
5	chr5_96125910	19	chr19_10100047	2.609	9.406	0.002163	COL5A3	ERAP1
4	chr4_103594918	16	chr16_31332719	0.2418	9.401	0.002168	ITGAM	MANBA
4	chr4_103518813	12	chr12_6483851	4.067	9.399	0.002171	NFKB1	SCNNA1
13	chr13_99966536	17	chr17_26116896	2.273	9.397	0.002174	MIR548AN	NOS2
2	chr2_103125457	17	chr17_40854650	4.073	9.395	0.002176	EZH1	SLC9A4
11	chr11_65771097	12	chr12_56740682	7.836	9.391	0.00218	BANF1	STAT2
12	chr12_56384687	19	chr19_10472933	1.112	9.382	0.002191	RAB5B	TYK2
16	chr16_31272988	17	chr17_78178170	0.364	9.379	0.002195	CARD14	ITGAM
17	chr17_26084532	18	chr18_12978823	6.037	9.375	0.0022	NOS2	SEH1L
16	chr16_10996069	17	chr17_38153473	4.267	9.371	0.002204	CIITA	PSMD3
4	chr4_103527878	5	chr5_96132795	0.3382	9.368	0.002208	ERAP1	NFKB1
18	chr18_12979041	20	chr20_48565754	7.148	9.367	0.002209	RNF114	SEH1L
12	chr12_56490656	19	chr19_10472933	0.2631	9.361	0.002216	ERBB3	TYK2
1	chr1_152760075	1	chr1_158549549	12.97	9.358	0.00222	LCE1E	OR10X1
5	chr5_96124296	20	chr20_48497565	0.1403	9.358	0.00222	ERAP1	SLC9A8
1	chr1_152732251	14	chr14_35761675	0.3534	9.357	0.002221	KPRP	PSMA6
1	chr1_158990412	16	chr16_31332719	0.2605	9.35	0.00223	IFI16	ITGAM
2	chr2_102968356	5	chr5_132035036	3.561	9.349	0.002231	IL1RL1	KIF3A
12	chr12_10562097	17	chr17_38153554	0.2463	9.348	0.002233	KLRC4	PSMD3
1	chr1_159023338	5	chr5_96249323	3.286	9.346	0.002235	ERAP2	IFI16
5	chr5_96222183	5	chr5_131726375	15.46	9.344	0.002237	ERAP2	SLC22A5
6	chr6_111896798	20	chr20_48599549	0.6348	9.338	0.002244	SNAI1	TRAF3IP2-AS1
1	chr1_158986477	17	chr17_38153711	4.101	9.334	0.002249	IFI16	PSMD3
1	chr1_8029505	17	chr17_38153554	0.3605	9.334	0.002249	PARK7	PSMD3
16	chr16_11444716	16	chr16_31288143	4.655	9.333	0.00225	ITGAM	RM12
1	chr1_172633592	2	chr2_102968362	2.866	9.332	0.002252	FASLG	IL1RL1
2	chr2_102967928	18	chr18_12978733	1.191	9.325	0.002261	IL1RL1	SEH1L
1	chr1_152732436	12	chr12_6167131	2.174	9.324	0.002262	KPRP	VWF
4	chr4_103553090	6	chr6_395246	0.4365	9.32	0.002266	IRF4	MANBA
9	chr9_32633310	12	chr12_56384687	0.1495	9.321	0.002266	RAB5B	TAF1L
1	chr1_172633592	2	chr2_102984624	2.848	9.311	0.002277	FASLG	IL18R1
11	chr11_65771097	12	chr12_56744276	7.77	9.303	0.002288	BANF1	STAT2
2	chr2_102968211	4	chr4_103514445	0.8764	9.301	0.00229	IL1RL1	NFKB1
2	chr2_163137683	16	chr16_31372344	7.824	9.297	0.002296	IFIH1	ITGAX
1	chr1_234573171	16	chr16_31309033	0.1142	9.292	0.002301	ITGAM	TARBP1
1	chr1_158986225	6	chr6_111912800	2.461	9.291	0.002303	IFI16	TRAF3IP2
2	chr2_163139026	4	chr4_103553090	7.741	9.289	0.002306	IFIH1	MANBA
12	chr12_6500105	12	chr12_6636392	0.8163	9.288	0.002307	LTBR	NCAPD2
11	chr11_65422853	19	chr19_10395776	0.2339	9.287	0.002308	ICAM1	RELA
9	chr9_32632121	17	chr17_78171944	0.1804	9.274	0.002324	CARD14	TAF1L
3	chr3_101450832	19	chr19_10475652	4.325	9.272	0.002327	CEP97	TYK2
2	chr2_103039873	6	chr6_111887624	0.3142	9.267	0.002333	IL18RAP	TRAF3IP2-AS1
12	chr12_56604526	17	chr17_78178170	0.3369	9.266	0.002334	CARD14	RNF41
1	chr1_67795430	5	chr5_150566792	0.1959	9.26	0.002342	CCDC69	IL12RB2
17	chr17_78166385	22	chr22_22143007	0.1413	9.259	0.002343	CARD14	MAPK1
2	chr2_102998279	5	chr5_132035036	3.753	9.257	0.002346	IL18R1	KIF3A
4	chr4_103561106	10	chr10_89475697	0.105	9.252	0.002352	MANBA	PAPSS2
14	chr14_35871960	17	chr17_40498461	0.33	9.251	0.002354	NFKBIA	STAT3
1	chr1_234565787	11	chr11_65793954	6.852	9.25	0.002355	CATSPER1	TARBP1
2	chr2_61180244	5	chr5_96222185	2.175	9.25	0.002355	ERAP2	PUS10
1	chr1_67845536	2	chr2_102984671	0.1876	9.244	0.002363	IL12RB2	IL18R1
12	chr12_6562768	12	chr12_56744445	1.498	9.24	0.002367	STAT2	TAPBPL
3	chr3_121647656	5	chr5_131796312	0.1371	9.239	0.002369	C5orf56	SLC15A2
1	chr1_152759678	5	chr5_150499016	2.736	9.236	0.002373	ANXA6	LCE1E

2	chr2_103090127	5	chr5_79374767	4.819	9.225	0.002387	SLC9A4	THBS4
1	chr1_152732436	21	chr21_35186297	3.208	9.223	0.00239	ITSN1	KPRP
1	chr1_12252996	5	chr5_150443005	0.4365	9.214	0.002401	TNFRSF1B	TNIP1
1	chr1_234584446	11	chr11_65793954	4.598	9.215	0.002401	CATSPER1	TARBP1
5	chr5_150496924	16	chr16_31095251	1.605	9.212	0.002405	ANXA6	PRSS53
11	chr11_9853777	16	chr16_11051639	5.437	9.21	0.002408	CLEC16A	SBF2
1	chr1_12249031	12	chr12_6204841	0.3487	9.204	0.002415	TNFRSF1B	VWF
2	chr2_102998279	17	chr17_40272662	11.15	9.199	0.002421	IL18R1	KAT2A
2	chr2_103039873	17	chr17_38029120	0.8539	9.197	0.002424	IL18RAP	ZPBP2
1	chr1_24082393	4	chr4_103561106	0.03215	9.179	0.002448	MANBA	TCEB3
18	chr18_12984102	19	chr19_10464687	2.682	9.177	0.002451	SEH1L	TYK2
2	chr2_163139026	4	chr4_103557219	0.1327	9.175	0.002454	IFIH1	MANBA
3	chr3_101475968	5	chr5_150443005	0.1831	9.173	0.002455	CEP97	TNIP1
6	chr6_111913262	12	chr12_6500105	0.2753	9.172	0.002458	LTBR	TRAF3IP2
17	chr17_38029120	21	chr21_35174730	2.742	9.167	0.002464	ITSN1	ZPBP2
2	chr2_102968356	5	chr5_96116995	4.471	9.163	0.002469	ERAP1	IL1RL1
2	chr2_103125457	20	chr20_48481366	3.014	9.163	0.002469	SLC9A4	SLC9A8
3	chr3_121646806	5	chr5_96121715	1.22	9.163	0.002469	ERAP1	SLC15A2
2	chr2_102968007	5	chr5_96116995	4.47	9.162	0.002471	ERAP1	IL1RL1
5	chr5_96129512	10	chr10_89469017	4.314	9.161	0.002472	ERAP1	PAPSS2
14	chr14_35761675	17	chr17_38062191	0.4464	9.154	0.002481	GSDMB	PSMA6
1	chr1_67889571	12	chr12_6924180	9.441	9.153	0.002482	CD4	SERBP1
11	chr11_65771097	12	chr12_56750204	7.63	9.154	0.002482	BANF1	STAT2
8	chr8_3245242	17	chr17_78178830	2.48	9.151	0.002485	CARD14	CSMD1
12	chr12_6483463	17	chr17_73723532	2.98	9.149	0.002488	ITGB4	SCNN1A
1	chr1_158549408	19	chr19_10464687	0.2055	9.147	0.002491	OR10X1	TYK2
10	chr10_81058027	12	chr12_6619284	0.8962	9.147	0.002491	NCAPD2	ZMIZ1
12	chr12_6861043	12	chr12_56524467	0.2914	9.141	0.0025	ESYT1	MLF2
5	chr5_96237114	19	chr19_10226273	2.947	9.133	0.002511	EIF3G	ERAP2
2	chr2_61180244	5	chr5_96249323	2.146	9.126	0.00252	ERAP2	PUS10
3	chr3_122459366	5	chr5_158750013	0.2559	9.123	0.002524	HSPBAP1	IL12B
2	chr2_62728105	12	chr12_111907989	4.418	9.122	0.002526	ATXN2	TMEM17
3	chr3_121647656	17	chr17_73539663	0.2912	9.121	0.002527	LLGL2	SLC15A2
2	chr2_102968362	18	chr18_12978733	1.188	9.12	0.002528	IL1RL1	SEH1L
2	chr2_163137871	17	chr17_40716235	1.156	9.12	0.002529	COASY	IFIH1
2	chr2_103130373	17	chr17_38063381	0.8441	9.116	0.002533	GSDMB	SLC9A4
5	chr5_131825142	17	chr17_78171944	2.654	9.117	0.002533	CARD14	IRF1
16	chr16_31434735	17	chr17_78171944	0.2184	9.116	0.002534	CARD14	ITGAD
2	chr2_103040177	12	chr12_56437315	0.14	9.113	0.002539	IL18RAP	RPS26
1	chr1_152732436	16	chr16_11141179	0.1854	9.111	0.002541	CLEC16A	KPRP
5	chr5_96232222	19	chr19_10226273	2.942	9.102	0.002553	EIF3G	ERAP2
2	chr2_103011237	12	chr12_56437315	0.1396	9.101	0.002555	IL18R1	RPS26
2	chr2_163139026	4	chr4_103594938	0.118	9.101	0.002555	IFIH1	MANBA
4	chr4_103557251	10	chr10_102239722	3.273	9.096	0.002561	MANBA	WNT8B
2	chr2_102641201	4	chr4_103557251	0.8964	9.095	0.002563	IL1R2	MANBA
1	chr1_234607086	19	chr19_10477193	7.533	9.093	0.002565	TARBP1	TYK2
5	chr5_96238107	12	chr12_6464809	30.48	9.091	0.002569	ERAP2	SCNN1A
1	chr1_67793936	2	chr2_102984671	0.1434	9.09	0.002571	IL12RB2	IL18R1
1	chr1_152732436	12	chr12_56524333	0.1825	9.086	0.002576	ESYT1	KPRP
1	chr1_158990412	17	chr17_74169949	0.2191	9.083	0.002579	IFI16	RNF157
1	chr1_12252459	12	chr12_6483851	11.84	9.083	0.002581	SCNN1A	TNFRSF1B
2	chr2_103006448	6	chr6_111922466	0.1773	9.079	0.002585	IL18R1	TRAF3IP2-AS1
1	chr1_158990412	20	chr20_48461713	0.349	9.078	0.002587	IFI16	SLC9A8
2	chr2_62728046	3	chr3_45187671	1.127	9.074	0.002592	CDCP1	TMEM17
1	chr1_234563556	16	chr16_11444716	0.8852	9.071	0.002596	RMI2	TARBP1
11	chr11_64083300	12	chr12_56384687	2.945	9.067	0.002602	ESRRA	RAB5B
2	chr2_62728046	19	chr19_10080537	2.423	9.067	0.002602	COL5A3	TMEM17
1	chr1_7863219	11	chr11_65422853	0.3545	9.066	0.002604	PER3	RELA
5	chr5_96124296	19	chr19_10096742	2.432	9.056	0.002618	COL5A3	ERAP1
1	chr1_152760075	17	chr17_40498461	0.6575	9.053	0.002623	LCE1E	STAT3
10	chr10_90034899	12	chr12_6140727	9.93	9.05	0.002627	RNLS	VWF
10	chr10_90034899	16	chr16_31332709	6.294	9.048	0.00263	ITGAM	RNLS
1	chr1_67889571	2	chr2_61190024	9.448	9.044	0.002636	PUS10	SERBP1
1	chr1_67845536	2	chr2_102960007	0.2026	9.041	0.00264	IL12RB2	IL1RL1



12	chr12_56437315	17	chr17_38029120	2.718	9.04	0.002641	RPS26	ZPBP2
12	chr12_6861043	18	chr18_51797788	2.902	9.039	0.002643	MLF2	POLI
17	chr17_26110007	17	chr17_78178830	0.2368	9.038	0.002644	CARD14	NOS2
5	chr5_96225009	10	chr10_81058027	9.937	9.033	0.002652	ERAP2	ZMIZ1
1	chr1_67845536	2	chr2_103125457	0.2477	9.031	0.002655	IL12RB2	SLC9A4
11	chr11_9853777	19	chr19_10363391	5.215	9.029	0.002658	MRPL4	SBF2
3	chr3_45187671	11	chr11_65423271	3.546	9.019	0.002672	CDCP1	RELA
4	chr4_103488346	17	chr17_78178830	0.296	9.016	0.002676	CARD14	NFKB1
12	chr12_111992217	17	chr17_38153473	4.461	9.015	0.002678	ATXN2	PSMD3
2	chr2_103090127	11	chr11_65372777	2.62	9.013	0.002681	MAP3K11	SLC9A4
2	chr2_103125466	6	chr6_138196059	0.4392	9.011	0.002683	SLC9A4	TNFAIP3
2	chr2_163136771	17	chr17_40467745	4.498	9.004	0.002693	IFIH1	STAT3
5	chr5_79770655	12	chr12_111895203	0.1803	9.004	0.002694	ATXN2	ZFYVE16
5	chr5_96339273	11	chr11_64083300	0.3661	9.004	0.002694	ESRRA	LNPEP
2	chr2_62728105	12	chr12_6562768	0.8592	8.997	0.002704	TAPBPL	TMEM17
1	chr1_172633592	19	chr19_49573245	5.207	8.994	0.002709	FASLG	KCNA7
13	chr13_40256402	19	chr19_10472933	3.652	8.988	0.002717	COG6	TYK2
2	chr2_103125457	5	chr5_158753736	4.07	8.989	0.002717	IL12B	SLC9A4
4	chr4_103488346	17	chr17_78178189	3.38	8.988	0.002717	CARD14	NFKB1
10	chr10_101643750	20	chr20_48524827	0.3649	8.988	0.002718	DNMBP	SPATA2
1	chr1_67845536	2	chr2_103125466	0.2427	8.981	0.002728	IL12RB2	SLC9A4
2	chr2_62728046	12	chr12_111907989	4.332	8.978	0.002733	ATXN2	TMEM17
2	chr2_103040945	17	chr17_73539671	5.605	8.976	0.002736	IL18RAP	LLGL2
1	chr1_152329369	5	chr5_150282783	5.894	8.971	0.002743	FLG2	ZNF300
11	chr11_65771097	17	chr17_38063381	2.092	8.971	0.002743	BANF1	GSDMB
1	chr1_152759678	12	chr12_6483522	5.592	8.965	0.002752	LCE1E	SCNN1A
12	chr12_6636311	21	chr21_34876708	3.113	8.956	0.002766	GART	NCAPD2
2	chr2_103039873	17	chr17_38031714	0.8533	8.956	0.002766	IL18RAP	ZPBP2
3	chr3_45187671	6	chr6_395014	0.4047	8.955	0.002767	CDCP1	IRF4
1	chr1_172634903	2	chr2_103125457	0.192	8.953	0.00277	FASLG	SLC9A4
1	chr1_234565787	16	chr16_11444716	0.8861	8.953	0.00277	RMI2	TARBP1
1	chr1_67792496	5	chr5_150443005	0.489	8.953	0.00277	IL12RB2	TNIP1
3	chr3_121658343	5	chr5_96339273	7.27	8.945	0.002782	LNPEP	SLC15A2
5	chr5_158705065	19	chr19_49671451	0.4097	8.945	0.002782	TRPM4	UBLCP1
12	chr12_10251227	19	chr19_10108850	0.2368	8.944	0.002784	CLEC1A	COL5A3
10	chr10_81056383	11	chr11_9803114	5.299	8.936	0.002796	SBF2	LOC100294362
1	chr1_234546228	19	chr19_10108861	0.1695	8.935	0.002798	COL5A3	TARBP1
17	chr17_78180618	19	chr19_49656468	5.122	8.935	0.002798	CARD14	HRC
1	chr1_152760075	5	chr5_150439952	0.1774	8.93	0.002805	LCE1E	TNIP1
1	chr1_158987941	17	chr17_78346595	0.2477	8.926	0.002812	IFI16	LOC100294362
5	chr5_96124296	5	chr5_131671585	0.2575	8.924	0.002815	ERAP1	SLC22A4
1	chr1_172634903	2	chr2_103040945	0.2113	8.922	0.002817	FASLG	IL18RAP
1	chr1_172628650	20	chr20_48599549	0.1789	8.921	0.002819	FASLG	SNAI1
2	chr2_61180244	19	chr19_10108861	2.666	8.921	0.002819	COL5A3	PUS10
5	chr5_96121715	10	chr10_80976056	5.567	8.92	0.002821	ERAP1	ZMIZ1
17	chr17_38024626	17	chr17_73888273	1.182	8.908	0.00284	TRIM65	ZPBP2
1	chr1_172634903	2	chr2_102955683	0.1949	8.906	0.002842	FASLG	IL1RL1
1	chr1_172634869	12	chr12_6604076	0.1439	8.905	0.002845	FASLG	NCAPD2
1	chr1_158987941	17	chr17_73515227	2.564	8.903	0.002847	IFI16	TSEN54
12	chr12_111895203	19	chr19_10104272	1.262	8.903	0.002847	ATXN2	COL5A3
4	chr4_103553090	18	chr18_61652376	3.148	8.901	0.00285	MANBA	SERPINB8
10	chr10_81058027	11	chr11_63974603	2.626	8.901	0.002851	FERMT3	ZMIZ1
10	chr10_81060474	17	chr17_26093670	0.3418	8.899	0.002854	NOS2	ZMIZ1
2	chr2_102968211	5	chr5_96116995	4.373	8.897	0.002857	ERAP1	IL1RL1
1	chr1_67792496	19	chr19_49447713	4.31	8.895	0.00286	DHDH	IL12RB2
1	chr1_158986225	12	chr12_6483851	1.177	8.894	0.002861	IFI16	SCNN1A
2	chr2_103040177	6	chr6_111922466	0.1799	8.892	0.002865	IL18RAP	TRAF3IP2-AS1
2	chr2_102968007	18	chr18_12978733	1.186	8.889	0.002869	IL1RL1	SEH1L
2	chr2_102997884	11	chr11_128354978	8.012	8.886	0.002873	ETS1	IL18R1
5	chr5_96125910	10	chr10_75157049	7.918	8.884	0.002877	ANXA7	ERAP1
5	chr5_132406025	19	chr19_53454387	30.79	8.879	0.002885	HSPA4	ZNF816
6	chr6_111912800	17	chr17_78178830	0.3974	8.875	0.002891	CARD14	TRAF3IP2
10	chr10_81060474	12	chr12_111956155	0.1701	8.871	0.002897	ATXN2	ZMIZ1
1	chr1_152276618	1	chr1_234573171	11.81	8.869	0.002901	FLG	TARBP1

5	chr5_96121994	10	chr10_89469017	4.164	8.862	0.002911	ERAP1	PAPSS2
1	chr1_234565980	16	chr16_11009267	0.2618	8.861	0.002913	CIITA	TARBP1
5	chr5_132035036	17	chr17_78178830	0.41	8.852	0.002927	CARD14	KIF3A
1	chr1_234565787	19	chr19_49230702	3.486	8.847	0.002935	RASIP1	TARBP1
2	chr2_103125466	20	chr20_48481366	2.957	8.847	0.002935	SLC9A4	SLC9A8
2	chr2_103006387	20	chr20_48497601	3.521	8.846	0.002938	IL18R1	SLC9A8
2	chr2_62733253	21	chr21_34926053	0.2964	8.844	0.002941	SON	TMEM17
2	chr2_102855728	12	chr12_6626369	0.2571	8.841	0.002945	IL1RL2	NCAPD2
1	chr1_152329369	18	chr18_12712943	0.3265	8.834	0.002957	FLG2	PSMG2
1	chr1_158987941	5	chr5_131726566	1.876	8.834	0.002957	IFI16	SLC22A5
3	chr3_169492105	18	chr18_12979041	0.1111	8.833	0.002958	MYNN	SEH1L
2	chr2_102998279	5	chr5_96116995	3.915	8.832	0.00296	ERAP1	IL18R1
5	chr5_132037895	17	chr17_78117807	28.01	8.83	0.002964	EIF4A3	KIF3A
16	chr16_10998482	17	chr17_78178170	0.8828	8.824	0.002972	CARD14	CIITA
2	chr2_163149965	16	chr16_31372344	7.377	8.823	0.002975	IFIH1	ITGAX
5	chr5_96130758	16	chr16_11009267	0.07714	8.819	0.002981	CIITA	ERAP1
12	chr12_6636392	17	chr17_40717317	0.1359	8.818	0.002983	COASY	NCAPD2
18	chr18_12984340	19	chr19_49206345	3.837	8.813	0.002991	FUT2	SEH1L
2	chr2_102984624	5	chr5_96116995	4.341	8.812	0.002992	ERAP1	IL18R1
13	chr13_40293499	19	chr19_10464687	0.1577	8.811	0.002995	COG6	TYK2
2	chr2_103040945	12	chr12_6619334	2.067	8.808	0.002999	IL18RAP	NCAPD2
5	chr5_158753736	12	chr12_6861043	3.612	8.807	0.003001	IL12B	MLF2
5	chr5_96249323	5	chr5_131726375	14.52	8.806	0.003002	ERAP2	SLC22A5
17	chr17_26116696	17	chr17_73888354	0.3238	8.804	0.003005	NOS2	TRIM65
5	chr5_96222183	16	chr16_31272988	2.736	8.804	0.003006	ERAP2	ITGAM
12	chr12_56384687	17	chr17_26110007	0.164	8.802	0.003008	NOS2	RAB5B
3	chr3_121647656	5	chr5_96125910	1.111	8.793	0.003024	ERAP1	SLC15A2
2	chr2_61108996	17	chr17_40359286	0.4406	8.79	0.003028	REL	STAT5B
3	chr3_121658343	5	chr5_96232222	5.208	8.79	0.003028	ERAP2	SLC15A2
1	chr1_67666600	21	chr21_34876708	13.33	8.789	0.00303	GART	IL23R
12	chr12_6861043	12	chr12_56495532	0.272	8.789	0.00303	ERBB3	MLF2
11	chr11_128359280	12	chr12_6464809	3.835	8.788	0.003032	ETS1	SCNN1A
1	chr1_152329369	17	chr17_40716235	1.119	8.787	0.003034	COASY	FLG2
14	chr14_35782244	19	chr19_10104272	0.1518	8.787	0.003034	COL5A3	PSMA6
2	chr2_103057895	12	chr12_6626369	8.601	8.783	0.00304	IL18RAP	NCAPD2
3	chr3_121810528	17	chr17_26116896	0.3749	8.781	0.003045	CD86	NOS2
10	chr10_81060474	11	chr11_63974603	2.572	8.778	0.003049	FERMT3	ZMIZ1
2	chr2_103090127	17	chr17_40481596	0.4678	8.778	0.003049	SLC9A4	STAT3
1	chr1_8029505	17	chr17_38153473	0.3646	8.776	0.003052	PARK7	PSMD3
5	chr5_131785425	20	chr20_48524827	7.328	8.775	0.003054	C5orf56	SPATA2
1	chr1_152733376	11	chr11_9853777	1.293	8.773	0.003058	KPRP	SBF2
12	chr12_56384687	17	chr17_40476847	0.3195	8.771	0.00306	RAB5B	STAT3
2	chr2_102955683	20	chr20_48431781	10.27	8.768	0.003066	IL1RL1	SLC9A8
3	chr3_121646806	5	chr5_131785536	2.007	8.768	0.003066	C5orf56	SLC15A2
1	chr1_8029420	17	chr17_78178170	0.1613	8.766	0.00307	CARD14	PARK7
14	chr14_35761675	21	chr21_34876641	2.433	8.76	0.00308	GART	PSMA6
2	chr2_61128164	5	chr5_96222185	2.6	8.756	0.003086	ERAP2	REL
5	chr5_150566792	10	chr10_75157049	7.086	8.754	0.003089	ANXA7	CCDC69
12	chr12_6958601	12	chr12_56384687	3.731	8.754	0.00309	CDCA3	RAB5B
2	chr2_61175288	12	chr12_6619284	3.416	8.753	0.003091	NCAPD2	PUS10
2	chr2_102965372	17	chr17_78178170	0.3662	8.75	0.003095	CARD14	IL1RL1
4	chr4_103561106	10	chr10_102116399	0.04501	8.749	0.003097	MANBA	SCD
1	chr1_158986477	19	chr19_10081322	1.471	8.747	0.003102	COL5A3	IFI16
17	chr17_40498527	18	chr18_12979041	14.22	8.746	0.003102	SEH1L	STAT3
2	chr2_60695977	17	chr17_38153554	3.744	8.746	0.003102	BCL11A	PSMD3
1	chr1_67633930	5	chr5_96129512	0.457	8.741	0.003111	ERAP1	IL23R
1	chr1_152681689	5	chr5_150411677	3.886	8.739	0.003115	LCE4A	TNIP1
1	chr1_67889571	5	chr5_79745499	0.3972	8.734	0.003123	SERBP1	ZFYVE16
4	chr4_103561106	5	chr5_150496853	0.7299	8.729	0.003132	ANXA6	MANBA
1	chr1_234584446	3	chr3_102154071	3.963	8.724	0.003141	TARBP1	ZPLD1
5	chr5_96124447	10	chr10_89469017	4.387	8.721	0.003145	ERAP1	PAPSS2
2	chr2_61413665	12	chr12_6483851	0.08704	8.72	0.003148	AHSA2	SCNN1A
9	chr9_32629970	17	chr17_40481529	0.4012	8.719	0.00315	STAT3	TAF1L
2	chr2_103095494	19	chr19_10097373	4.903	8.717	0.003152	COL5A3	SLC9A4

1	chr1_234607086	19	chr19_10108850	1.236	8.716	0.003154	COL5A3	TARBP1
1	chr1_206972365	2	chr2_102968211	7.103	8.71	0.003164	IL19	IL1RL1
3	chr3_101450832	19	chr19_10472933	0.3183	8.708	0.003169	CEP97	TYK2
5	chr5_96222496	20	chr20_48467560	0.2464	8.707	0.00317	ERAP2	SLC9A8
1	chr1_159023338	5	chr5_96222183	3.169	8.705	0.003173	ERAP2	IFI16
4	chr4_103537442	17	chr17_76425289	5.192	8.705	0.003173	DNAH17	NFKB1
2	chr2_103011237	5	chr5_96116995	3.939	8.705	0.003174	ERAP1	IL18R1
2	chr2_103136485	16	chr16_30936081	7.708	8.7	0.003182	FBXL19	SLC9A4
5	chr5_96124296	16	chr16_31388246	4.631	8.7	0.003182	ERAP1	ITGAX
6	chr6_312217	20	chr20_48599549	2.252	8.699	0.003183	DUSP22	SNAI1
12	chr12_6861043	12	chr12_56527271	0.1891	8.697	0.003187	ESYT1	MLF2
2	chr2_102984624	12	chr12_6623942	0.1666	8.697	0.003188	IL18R1	NCAPD2
10	chr10_90034899	11	chr11_9806817	2.901	8.696	0.00319	RNLS	SBF2
2	chr2_103125466	12	chr12_10251227	3.41	8.695	0.00319	CLEC1A	SLC9A4
5	chr5_96339273	19	chr19_49399711	0.1593	8.693	0.003195	LNPEP	TULP2
2	chr2_61308675	10	chr10_101934235	11.17	8.69	0.0032	ERLIN1	KIAA1841
14	chr14_35871960	20	chr20_48467560	0.7187	8.683	0.003212	NFKBIA	SLC9A8
1	chr1_7910969	1	chr1_12249031	0.2226	8.68	0.003216	TNFRSF1B	UTS2
17	chr17_38031714	17	chr17_73888273	1.179	8.68	0.003217	TRIM65	ZBPB2
5	chr5_96139250	12	chr12_6635360	3.131	8.677	0.003222	ERAP1	NCAPD2
5	chr5_96513471	6	chr6_111922466	0.3561	8.669	0.003237	RIOK2	TRAF3IP2-AS1
16	chr16_31282433	17	chr17_40459737	3.083	8.662	0.00325	ITGAM	STAT5A
5	chr5_132036449	17	chr17_78180618	0.1496	8.657	0.003258	CARD14	KIF3A
5	chr5_96139250	10	chr10_80976056	4.679	8.655	0.003261	ERAP1	ZMIZ1
2	chr2_103063520	4	chr4_103514445	0.7372	8.651	0.003268	IL18RAP	NFKB1
1	chr1_234607086	17	chr17_78117807	0.7386	8.648	0.003274	EIF4A3	TARBP1
1	chr1_158986225	6	chr6_138198320	0.2061	8.647	0.003276	IFI16	TNFAIP3
12	chr12_122720489	19	chr19_10472933	2.963	8.643	0.003284	TYK2	VPS33A
2	chr2_103040945	12	chr12_56526164	0.242	8.643	0.003284	ESYT1	IL18RAP
2	chr2_103057723	5	chr5_96513471	0.2392	8.642	0.003284	IL18RAP	RIOK2
2	chr2_102968007	4	chr4_103514445	0.8834	8.637	0.003294	IL1RL1	NFKB1
2	chr2_103039873	12	chr12_56437315	0.04604	8.635	0.003298	IL18RAP	RPS26
2	chr2_103040177	3	chr3_45187671	1.16	8.634	0.0033	CDCP1	IL18RAP
1	chr1_152681578	19	chr19_49206631	8.601	8.63	0.003306	FUT2	LCE4A
5	chr5_132035036	17	chr17_78178170	0.3932	8.63	0.003306	CARD14	KIF3A
2	chr2_103125466	14	chr14_35761791	0.2285	8.626	0.003314	PSMA6	SLC9A4
10	chr10_81060474	19	chr19_49206631	1.106	8.623	0.003319	FUT2	ZMIZ1
5	chr5_96222185	6	chr6_138539306	2.458	8.613	0.003337	ERAP2	PBOV1
1	chr1_207009910	11	chr11_65372863	0.2713	8.61	0.003343	IL19	MAP3K11
16	chr16_10992745	19	chr19_10108861	0.1366	8.607	0.00335	CIITA	COL5A3
16	chr16_10996069	17	chr17_38173143	4.224	8.604	0.003355	CIITA	CSF3
2	chr2_102965372	17	chr17_78178182	2.597	8.59	0.003379	CARD14	IL1RL1
5	chr5_96121715	17	chr17_40721559	0.06034	8.583	0.003393	ERAP1	MLX
1	chr1_172634869	12	chr12_6619284	0.1464	8.581	0.003397	FASLG	NCAPD2
4	chr4_103537442	17	chr17_78093367	0.483	8.579	0.0034	GAA	NFKB1
1	chr1_234607104	19	chr19_10477193	7.104	8.578	0.003403	TARBP1	TYK2
17	chr17_73888354	19	chr19_10100192	9.945	8.574	0.003411	COL5A3	TRIM65
7	chr7_36927199	16	chr16_11444716	13.1	8.573	0.003412	ELMO1	RMI2
2	chr2_103125466	12	chr12_56481493	12.96	8.572	0.003415	ERBB3	SLC9A4
1	chr1_152732251	14	chr14_35761592	10.46	8.571	0.003416	KPRP	PSMA6
2	chr2_61128164	5	chr5_96222183	2.522	8.571	0.003416	ERAP2	REL
2	chr2_103006387	12	chr12_6619334	2.022	8.569	0.003419	IL18R1	NCAPD2
5	chr5_96118852	16	chr16_31339529	0.277	8.569	0.00342	ERAP1	ITGAM
5	chr5_96232222	5	chr5_131726375	14.23	8.568	0.003421	ERAP2	SLC22A5
1	chr1_7912870	19	chr19_49206631	0.793	8.568	0.003422	FUT2	UTS2
5	chr5_131670658	17	chr17_26084532	0.2366	8.567	0.003424	LOC553103	NOS2
2	chr2_102967928	12	chr12_56437315	0.149	8.563	0.003431	IL1RL1	RPS26
5	chr5_96513471	5	chr5_131822665	0.2243	8.562	0.003433	IRF1	RIOK2
5	chr5_96509055	20	chr20_48522414	2.289	8.561	0.003434	RIOK2	SPATA2
4	chr4_103514445	19	chr19_49230664	2.452	8.559	0.003439	NFKB1	RASIP1
7	chr7_37136346	19	chr19_10464687	0.1169	8.556	0.003443	ELMO1	TYK2
2	chr2_102957348	12	chr12_56437315	0.0466	8.555	0.003446	IL1RL1	RPS26
2	chr2_103090127	12	chr12_56526164	0.2392	8.554	0.003448	ESYT1	SLC9A4
2	chr2_62728046	17	chr17_38079482	2.844	8.553	0.003449	ORMDL3	TMEM17

2	chr2_102984671	16	chr16_31332628	0.3584	8.55	0.003456	IL18R1	ITGAM
9	chr9_32629970	19	chr19_49206631	2.329	8.55	0.003456	FUT2	TAF1L
11	chr11_65422853	12	chr12_56819144	9.548	8.549	0.003457	RELA	TIMELESS
1	chr1_12249031	2	chr2_102805692	0.1086	8.547	0.003461	IL1RL2	TNFRSF1B
1	chr1_152283119	2	chr2_102960007	5.138	8.547	0.003461	FLG	IL1RL1
7	chr7_37251085	17	chr17_78178830	0.5016	8.54	0.003474	CARD14	ELMO1
1	chr1_234573171	11	chr11_65793954	5.077	8.539	0.003475	CATSPER1	TARBP1
12	chr12_6167131	12	chr12_6636392	2.975	8.535	0.003484	NCAPD2	VWF
1	chr1_152681717	1	chr1_159002222	0.5432	8.535	0.003485	IFI16	LCE4A
1	chr1_234573171	19	chr19_49230702	3.287	8.532	0.003489	RASIP1	TARBP1
1	chr1_158987941	5	chr5_150497409	0.2178	8.531	0.003491	ANXA6	IFI16
2	chr2_102984624	20	chr20_48599604	4.681	8.531	0.003491	IL18R1	SNAI1
5	chr5_96222185	5	chr5_131726375	13.89	8.526	0.0035	ERAP2	SLC22A5
2	chr2_103125466	12	chr12_111951360	0.3008	8.525	0.003503	ATXN2	SLC9A4
5	chr5_96121715	19	chr19_10444602	3.019	8.524	0.003505	ERAP1	ICAM3
2	chr2_103040182	17	chr17_38024626	0.8526	8.523	0.003507	IL18RAP	ZPBP2
16	chr16_10998482	17	chr17_38029120	1.14	8.523	0.003508	CIITA	ZPBP2
1	chr1_234584446	16	chr16_31309033	0.1269	8.522	0.003509	ITGAM	TARBP1
3	chr3_45187671	4	chr4_103500090	11.78	8.516	0.00352	CDCP1	NFKB1
2	chr2_163137695	16	chr16_11003052	6.485	8.516	0.003521	CIITA	IFIH1
12	chr12_6562768	20	chr20_48565700	0.169	8.515	0.003522	RNF114	TAPBP1
2	chr2_102997884	12	chr12_56437315	0.04666	8.511	0.00353	IL18R1	RPS26
5	chr5_158750013	21	chr21_36079802	2.169	8.51	0.003532	CLIC6	IL12B
6	chr6_111912800	17	chr17_78178170	0.4097	8.51	0.003533	CARD14	TRAF3IP2
2	chr2_102998279	3	chr3_169500454	2.855	8.505	0.003542	IL18R1	MYNN
2	chr2_103006387	5	chr5_150497409	0.1572	8.503	0.003546	ANXA6	IL18R1
10	chr10_81058027	11	chr11_9850990	0.3402	8.501	0.003549	SBF2	ZMZ1
5	chr5_150566792	16	chr16_11363025	2.631	8.496	0.003558	CCDC69	TNP2
5	chr5_158705065	11	chr11_128359280	0.4666	8.496	0.003559	ETS1	UBLCP1
1	chr1_206239427	18	chr18_12979041	7.884	8.495	0.003562	C1orf186	SEH1L
4	chr4_103561106	11	chr11_64543820	0.3015	8.488	0.003576	MANBA	SF1
1	chr1_234573171	5	chr5_150518177	0.3752	8.486	0.003578	ANXA6	TARBP1
2	chr2_103057723	5	chr5_96509055	0.2207	8.486	0.003579	IL18RAP	RIOK2
2	chr2_103125457	6	chr6_138196059	0.4444	8.486	0.003579	SLC9A4	TNFAIP3
16	chr16_31272988	17	chr17_78178830	0.3904	8.481	0.003588	CARD14	ITGAM
4	chr4_103537442	17	chr17_40490762	0.177	8.478	0.003594	NFKB1	STAT3
2	chr2_163136727	16	chr16_11003052	6.457	8.477	0.003597	CIITA	IFIH1
1	chr1_158986225	16	chr16_31332628	0.346	8.475	0.0036	IFI16	ITGAM
4	chr4_103488349	17	chr17_38153473	0.1849	8.475	0.0036	NFKB1	PSMD3
5	chr5_131785425	20	chr20_48522585	7.268	8.475	0.003601	C5orf56	SPATA2
2	chr2_103125457	2	chr2_163149965	0.8579	8.474	0.003602	IFIH1	SLC9A4
17	chr17_40498527	18	chr18_12978733	13.67	8.472	0.003606	SEH1L	STAT3
2	chr2_163137871	16	chr16_11003052	6.446	8.462	0.003627	CIITA	IFIH1
1	chr1_152276618	1	chr1_234565787	8.141	8.46	0.003631	FLG	TARBP1
10	chr10_81058027	12	chr12_111956155	0.1835	8.458	0.003634	ATXN2	ZMZ1
5	chr5_79374668	12	chr12_6483463	3.042	8.458	0.003634	CTD-220118.1	SCNN1A
2	chr2_103130373	5	chr5_96116995	4.832	8.455	0.003641	ERAP1	SLC9A4
1	chr1_12249031	17	chr17_38079482	3.499	8.453	0.003644	ORMDL3	TNFRSF1B
5	chr5_158750013	17	chr17_73759611	0.367	8.451	0.003648	GALK1	IL12B
3	chr3_121643931	5	chr5_96222183	2.36	8.448	0.003655	ERAP2	SLC15A2
1	chr1_67155976	2	chr2_102984671	0.2156	8.447	0.003656	IL18R1	SGIP1
10	chr10_80975959	19	chr19_10108850	0.09494	8.447	0.003656	COL5A3	ZMZ1
3	chr3_101571779	5	chr5_150566792	9.215	8.446	0.003658	CCDC69	NFKBIZ
2	chr2_163149896	6	chr6_111884277	2.975	8.439	0.003672	IFIH1	TRAF3IP2-AS1
3	chr3_121647656	5	chr5_158747359	3.506	8.431	0.003688	IL12B	SLC15A2
11	chr11_9802078	19	chr19_10472933	3.921	8.43	0.003691	SBF2-AS1	TYK2
6	chr6_138192761	19	chr19_49230664	7.48	8.429	0.003693	RASIP1	TNFAIP3
2	chr2_62728105	19	chr19_10813064	0.29	8.428	0.003695	QTRT1	TMEM17
1	chr1_206972442	5	chr5_96121994	1.933	8.427	0.003697	ERAP1	IL19
1	chr1_152770589	12	chr12_6167131	2.179	8.421	0.003709	LCE1D	VWF
12	chr12_56437315	17	chr17_38024626	2.649	8.418	0.003716	RPS26	ZPBP2
17	chr17_78178830	19	chr19_10812818	5.676	8.415	0.003722	CARD14	QTRT1
17	chr17_26125933	17	chr17_40459737	0.2805	8.414	0.003724	NOS2	STAT5A
9	chr9_32631356	16	chr16_11444716	0.1399	8.414	0.003724	RMI2	TAF1L

1	chr1_159002778	12	chr12_122720095	1.503	8.413	0.003725	IFI16	VPS33A
12	chr12_111895203	19	chr19_10104154	1.269	8.413	0.003725	ATXN2	COL5A3
2	chr2_103040182	19	chr19_10114795	4.247	8.413	0.003726	COL5A3	IL18RAP
1	chr1_152329369	4	chr4_103459060	0.1704	8.41	0.003732	FLG2	NFKB1
2	chr2_102849537	5	chr5_158705065	0.1411	8.409	0.003734	IL1RL2	UBLCP1
3	chr3_101576169	21	chr21_34876708	0.4165	8.408	0.003736	GART	NFKBIZ
5	chr5_96252998	10	chr10_75564556	4.419	8.407	0.003739	ERAP2	NDST2
2	chr2_61108996	5	chr5_96139493	6.42	8.405	0.003741	ERAP1	REL
5	chr5_132406025	18	chr18_12978733	9.096	8.404	0.003744	HSPA4	SEH1L
6	chr6_111913238	17	chr17_38063381	0.3117	8.404	0.003745	GSDMB	TRAF3IP2
4	chr4_103488349	17	chr17_38153554	0.1863	8.403	0.003747	NFKB1	PSMD3
18	chr18_12978733	20	chr20_48565754	6.129	8.401	0.00375	RNF114	SEH1L
10	chr10_81058027	16	chr16_31095204	0.8375	8.399	0.003754	PRSS53	ZMIZ1
1	chr1_12387829	1	chr1_158986225	0.04556	8.395	0.003763	IFI16	VPS13D
16	chr16_10998482	17	chr17_38063381	1.142	8.394	0.003764	CIITA	GSDMB
2	chr2_62728105	17	chr17_38079482	2.828	8.394	0.003765	ORMDL3	TMEM17
1	chr1_152733376	19	chr19_49422277	3.965	8.392	0.00377	KPRP	NUCB1
12	chr12_6483463	17	chr17_40483574	5.545	8.387	0.003779	SCNN1A	STAT3
1	chr1_158990412	2	chr2_102984671	0.9065	8.386	0.003781	IFI16	IL18R1
10	chr10_101934235	12	chr12_6636392	0.7617	8.385	0.003783	ERLIN1	NCAPD2
2	chr2_102997884	12	chr12_6623942	0.1562	8.384	0.003785	IL18R1	NCAPD2
5	chr5_96139250	19	chr19_49227758	5.074	8.379	0.003796	ERAP1	RASIP1
2	chr2_62728105	5	chr5_131647989	3.022	8.377	0.003799	LOC553103	TMEM17
4	chr4_103488349	17	chr17_38173143	0.1887	8.377	0.003799	CSF3	NFKB1
1	chr1_152770521	16	chr16_31485786	0.2418	8.376	0.003802	LCE1D	TGFB1I1
5	chr5_96121994	10	chr10_80976056	4.643	8.373	0.003809	ERAP1	ZMIZ1
13	chr13_45601699	19	chr19_10114033	0.2804	8.369	0.003817	COL5A3	GPALPP1
2	chr2_103057895	12	chr12_6604076	7.783	8.368	0.003819	IL18RAP	NCAPD2
1	chr1_152770521	2	chr2_103121779	0.406	8.366	0.003824	LCE1D	SLC9A4
16	chr16_31332845	19	chr19_10108850	3.672	8.363	0.003829	COL5A3	ITGAM
2	chr2_102968362	8	chr8_3205697	0.2425	8.363	0.00383	CSMD1	IL1RL1
1	chr1_67666600	4	chr4_103557251	0.1126	8.361	0.003833	IL23R	MANBA
6	chr6_111887624	18	chr18_12979041	2.364	8.361	0.003833	SEH1L	TRAF3IP2-AS1
1	chr1_152770589	4	chr4_103537729	0.1932	8.357	0.003841	LCE1D	NFKB1
1	chr1_7890174	11	chr11_65422853	0.1198	8.355	0.003846	PER3	RELA
17	chr17_38153554	19	chr19_10748280	0.4761	8.354	0.003847	PSMD3	SLC44A2
16	chr16_10998482	16	chr16_31095251	0.8131	8.353	0.00385	CIITA	PRSS53
2	chr2_103057895	12	chr12_6619284	7.765	8.349	0.00386	IL18RAP	NCAPD2
6	chr6_111887624	18	chr18_12978733	2.457	8.348	0.003862	SEH1L	TRAF3IP2-AS1
5	chr5_96121715	11	chr11_9457738	5.145	8.346	0.003865	ERAP1	IPO7
2	chr2_102968211	20	chr20_48599604	4.534	8.346	0.003866	IL1RL1	SNAI1
2	chr2_103006448	17	chr17_38029120	0.8755	8.345	0.003868	IL18R1	ZPBP2
2	chr2_102641201	17	chr17_26110034	0.2316	8.344	0.003871	IL1R2	NOS2
1	chr1_7846964	14	chr14_35761675	0.4748	8.34	0.003879	PER3	PSMA6
2	chr2_62733253	8	chr8_3205697	2.72	8.339	0.003879	CSMD1	TMEM17
2	chr2_102968356	20	chr20_48599604	4.53	8.336	0.003886	IL1RL1	SNAI1
12	chr12_6636392	19	chr19_10081219	2.143	8.332	0.003895	COL5A3	NCAPD2
2	chr2_62728046	12	chr12_56740253	7.341	8.332	0.003896	STAT2	TMEM17
5	chr5_96124447	12	chr12_6623677	0.4249	8.33	0.003899	ERAP1	NCAPD2
10	chr10_81058027	16	chr16_31095251	0.8397	8.329	0.003902	PRSS53	ZMIZ1
2	chr2_103040177	20	chr20_48497562	3.136	8.329	0.003902	IL18RAP	SLC9A8
4	chr4_103594918	6	chr6_395246	2.17	8.329	0.003902	IRF4	MANBA
1	chr1_67666705	14	chr14_64897018	0.3438	8.324	0.003913	IL23R	MIR548AZ
1	chr1_26524108	4	chr4_103557219	2.173	8.322	0.003916	CATSPER4	MANBA
10	chr10_81072398	18	chr18_12978733	4.562	8.322	0.003916	SEH1L	ZMIZ1
2	chr2_102851400	3	chr3_121646806	5.907	8.32	0.003921	IL1RL2	SLC15A2
1	chr1_158986477	17	chr17_26115966	0.2803	8.32	0.003922	IFI16	NOS2
19	chr19_10472933	22	chr22_22123618	0.2765	8.317	0.003927	MAPK1	TYK2
1	chr1_172634903	2	chr2_102984671	0.2086	8.316	0.003929	FASLG	IL18R1
2	chr2_102641201	4	chr4_103537442	0.8985	8.314	0.003935	IL1R2	NFKB1
1	chr1_12082771	16	chr16_11444716	0.08266	8.313	0.003936	MIIP	RM12
17	chr17_40481529	17	chr17_78445406	0.3486	8.312	0.003939	NPTX1	STAT3
5	chr5_96125910	19	chr19_10463102	2.426	8.311	0.00394	ERAP1	TYK2
10	chr10_101934235	12	chr12_6861043	0.843	8.311	0.003942	ERLIN1	MLF2

5	chr5_150443005	16	chr16_31437374	0.2128	8.31	0.003943	ITGAD	TNIP1
5	chr5_96339273	10	chr10_75564556	4.199	8.307	0.003949	LNPEP	NDST2
6	chr6_351087	17	chr17_73871467	5.299	8.305	0.003954	DUSP22	TRIM47
3	chr3_121647656	16	chr16_31373345	5.537	8.298	0.003969	ITGAX	SLC15A2
4	chr4_103561106	12	chr12_6204679	0.07744	8.298	0.003969	MANBA	VWF
1	chr1_152732436	12	chr12_6483522	4.434	8.296	0.003974	KPRP	SCNN1A
1	chr1_234563556	11	chr11_65793954	4.313	8.295	0.003974	CATSPER1	TARBP1
4	chr4_103533713	17	chr17_73888273	10.86	8.294	0.003978	NFKB1	TRIM65
5	chr5_96509055	6	chr6_138196798	3.831	8.293	0.003979	RIOK2	TNFAIP3
2	chr2_62096845	2	chr2_62728046	6.7	8.292	0.003982	CCT4	TMEM17
10	chr10_75147491	17	chr17_78171944	2.727	8.288	0.00399	ANXA7	CARD14
11	chr11_65771097	12	chr12_56744445	7.049	8.289	0.00399	BANF1	STAT2
2	chr2_102960007	17	chr17_73539671	5.768	8.287	0.003992	IL1RL1	LLGL2
1	chr1_67889571	11	chr11_65771097	1.871	8.287	0.003993	BANF1	SERBP1
10	chr10_102116399	19	chr19_10104154	0.2174	8.285	0.003998	COL5A3	SCD
1	chr1_67889571	17	chr17_73888273	1.158	8.284	0.004	SERBP1	TRIM65
1	chr1_234584446	5	chr5_96124296	1.178	8.279	0.00401	ERAP1	TARBP1
2	chr2_61390334	19	chr19_10472933	0.2301	8.278	0.004013	C2orf74	TYK2
1	chr1_234607104	17	chr17_78117807	0.7433	8.278	0.004014	EIF4A3	TARBP1
5	chr5_150443005	11	chr11_9861223	4.025	8.274	0.004021	SBF2	TNIP1
1	chr1_152595565	5	chr5_96121715	0.5052	8.271	0.004027	ERAP1	LCE3A
5	chr5_96132795	19	chr19_53357239	0.6818	8.272	0.004027	ERAP1	ZNF468
1	chr1_152384535	19	chr19_10085062	8.934	8.271	0.004029	COL5A3	CRNN
16	chr16_11003065	17	chr17_78166385	5.197	8.268	0.004034	CARD14	CIITA
4	chr4_103514445	6	chr6_395030	0.4917	8.263	0.004045	IRF4	NFKB1
5	chr5_158703976	17	chr17_40716235	7.262	8.263	0.004047	COASY	UBLCP1
17	chr17_73539671	18	chr18_12979041	0.2143	8.261	0.004052	LLGL2	SEH1L
1	chr1_234563556	16	chr16_31309033	0.1342	8.253	0.004068	ITGAM	TARBP1
5	chr5_96121715	10	chr10_89469017	4.054	8.253	0.004069	ERAP1	PAPSS2
2	chr2_163137683	16	chr16_11003052	6.31	8.249	0.004076	CIITA	IFIH1
1	chr1_234584446	5	chr5_131728231	0.2283	8.245	0.004086	SLC22A5	TARBP1
1	chr1_152732436	17	chr17_26116762	0.4283	8.243	0.00409	KPRP	NOS2
11	chr11_65601560	17	chr17_26101328	0.1577	8.243	0.00409	NOS2	SNX32
12	chr12_6495637	19	chr19_10104154	0.4119	8.242	0.004093	COL5A3	LTBR
5	chr5_96139250	19	chr19_10132075	2.518	8.24	0.004098	ERAP1	RDH8
1	chr1_234563556	5	chr5_96124296	1.179	8.234	0.004111	ERAP1	TARBP1
1	chr1_159002222	17	chr17_26115966	0.2711	8.233	0.004113	IFI16	NOS2
12	chr12_6635276	17	chr17_38063381	0.1297	8.232	0.004115	GSDMB	NCAPD2
3	chr3_45187671	5	chr5_150518177	2.608	8.231	0.004118	ANXA6	CDCP1
17	chr17_40717000	17	chr17_73888354	8.946	8.23	0.004121	COASY	TRIM65
2	chr2_103006448	17	chr17_38031714	0.8744	8.229	0.004123	IL18R1	ZPBP2
5	chr5_158750013	18	chr18_61654219	0.3249	8.222	0.004139	IL12B	SERPINB8
1	chr1_152595565	5	chr5_96124447	0.5174	8.22	0.004143	ERAP1	LCE3A
1	chr1_158986477	12	chr12_6483851	1.169	8.219	0.004145	IFI16	SCNN1A
1	chr1_152671505	2	chr2_102998279	6.919	8.216	0.004152	IL18R1	LCE2A
1	chr1_234546228	19	chr19_10104272	5.986	8.216	0.004153	COL5A3	TARBP1
2	chr2_103125466	5	chr5_158753736	3.7	8.213	0.004159	IL12B	SLC9A4
9	chr9_32485487	10	chr10_81060474	10.21	8.212	0.00416	DDX58	ZMZ1
12	chr12_6619284	17	chr17_38345233	3.718	8.212	0.004162	NCAPD2	RAPGEFL1
1	chr1_152671505	2	chr2_103006448	6.916	8.211	0.004163	IL18R1	LCE2A
1	chr1_152681689	14	chr14_35871960	0.4727	8.209	0.004168	LCE4A	NFKBIA
5	chr5_96222183	18	chr18_13050127	7.322	8.209	0.004168	CEP192	ERAP2
19	chr19_10096742	19	chr19_10464687	1.775	8.204	0.004179	COL5A3	TYK2
6	chr6_395246	12	chr12_6464809	5.055	8.202	0.004185	IRF4	SCNN1A
1	chr1_159023338	5	chr5_96139250	2.761	8.201	0.004187	ERAP1	IFI16
1	chr1_159023338	5	chr5_96118852	2.609	8.199	0.004192	ERAP1	IFI16
1	chr1_159002222	19	chr19_10081322	1.464	8.198	0.004193	COL5A3	IFI16
1	chr1_207010368	10	chr10_81058027	0.2795	8.198	0.004193	IL19	ZMZ1
1	chr1_234584446	19	chr19_53456074	0.1564	8.198	0.004193	TARBP1	ZNF816,ZNF816-ZNF321P
5	chr5_96249323	19	chr19_10226273	2.935	8.192	0.004207	EIF3G	ERAP2
4	chr4_103514445	12	chr12_111990836	2.557	8.192	0.004208	ATXN2	NFKB1
16	chr16_10998482	16	chr16_30938811	0.7977	8.189	0.004215	CIITA	FBXL19
12	chr12_56436011	19	chr19_10464687	0.4195	8.187	0.004219	RPS26	TYK2
10	chr10_102222984	11	chr11_65422853	6.599	8.186	0.004221	RELA	WNT8B

5	chr5_96117300	16	chr16_31422761	6.396	8.183	0.004229	ERAP1	ITGAD
10	chr10_81056383	16	chr16_31374642	5.544	8.182	0.004231	ITGAX	ZMZ1
5	chr5_96503305	12	chr12_6483851	0.1151	8.181	0.004233	RIOK2	SCNN1A
2	chr2_102997884	19	chr19_10114795	4.146	8.18	0.004236	COL5A3	IL18R1
1	chr1_152681722	1	chr1_158986225	0.3687	8.177	0.004241	IFI16	LCE4A
2	chr2_103006448	11	chr11_64003792	8.771	8.177	0.004242	IL18R1	VEGFB
10	chr10_81060474	16	chr16_30936081	0.8244	8.173	0.004252	FBXL19	ZMZ1
2	chr2_103040945	17	chr17_40854650	2.982	8.169	0.004262	EZH1	IL18RAP
2	chr2_102957348	19	chr19_10097373	3.651	8.166	0.004268	COL5A3	IL1RL1
1	chr1_158986225	17	chr17_73515227	2.533	8.161	0.004279	IFI16	TSEN54
2	chr2_102968356	17	chr17_38024626	0.8749	8.159	0.004285	IL1RL1	ZPBP2
12	chr12_112499067	17	chr17_78178182	0.1547	8.156	0.004291	CARD14	NAA25
1	chr1_206944785	19	chr19_53454387	8.061	8.155	0.004294	IL10	ZNF816
12	chr12_56384687	14	chr14_35872094	1.562	8.155	0.004294	NFKBIA	RAB5B
1	chr1_152800058	12	chr12_6483463	3.418	8.154	0.004296	LCE1A	SCNN1A
2	chr2_163136771	12	chr12_112479891	0.2468	8.153	0.004299	IFIH1	NAA25
5	chr5_150515865	18	chr18_12984340	4.603	8.152	0.004302	ANXA6	SEH1L
4	chr4_103571513	5	chr5_150496853	0.5606	8.148	0.004311	ANXA6	MANBA
10	chr10_81058027	12	chr12_56481966	3.008	8.147	0.004314	ERBB3	ZMZ1
16	chr16_31332628	19	chr19_10472933	0.4221	8.145	0.004319	ITGAM	TYK2
5	chr5_96237114	18	chr18_13050127	7.263	8.142	0.004325	CEP192	ERAP2
6	chr6_351087	17	chr17_73888354	5.213	8.137	0.004337	DUSP22	TRIM65
1	chr1_159002222	16	chr16_31371659	2.115	8.137	0.004338	IFI16	ITGAX
5	chr5_96121183	5	chr5_96232222	1.22	8.136	0.00434	ERAP1	ERAP2
5	chr5_96121069	9	chr9_32634619	6.062	8.135	0.004342	ERAP1	TAF1L
1	chr1_152759678	5	chr5_131825142	2.625	8.132	0.004348	IRF1	LCE1E
2	chr2_102955683	12	chr12_56480404	0.09104	8.131	0.004351	ERBB3	IL1RL1
4	chr4_103488346	17	chr17_78178170	0.3328	8.13	0.004353	CARD14	NFKB1
2	chr2_163139026	4	chr4_103594918	0.1278	8.13	0.004354	IFIH1	MANBA
2	chr2_163137695	17	chr17_40716235	1.148	8.129	0.004357	COASY	IFIH1
1	chr1_234573171	3	chr3_121646806	0.808	8.128	0.00436	SLC15A2	TARBP1
5	chr5_96232222	18	chr18_13050127	7.249	8.127	0.004361	CEP192	ERAP2
12	chr12_56490656	19	chr19_10464687	0.2815	8.123	0.004371	ERBB3	TYK2
5	chr5_158705065	6	chr6_138628802	3.658	8.121	0.004375	ARFGEF3	UBLCP1
1	chr1_152770521	17	chr17_26116762	0.4017	8.121	0.004376	LCE1D	NOS2
16	chr16_11009267	20	chr20_48497562	3.234	8.119	0.004381	CIITA	SLC9A8
11	chr11_64543820	16	chr16_31095251	0.2655	8.117	0.004386	PRSS53	SF1
11	chr11_9810776	19	chr19_10472933	0.3826	8.117	0.004386	SBF2	TYK2
1	chr1_159002222	6	chr6_111912800	2.443	8.116	0.004388	IFI16	TRAF3IP2
5	chr5_96222496	17	chr17_40716235	2.433	8.115	0.004389	COASY	ERAP2
5	chr5_96252998	11	chr11_10015506	3.446	8.115	0.004391	ERAP2	SBF2
7	chr7_36927231	19	chr19_10085062	0.1616	8.11	0.004402	COL5A3	ELMO1
1	chr1_12253152	1	chr1_152770589	0.1993	8.108	0.004408	LCE1D	TNFRSF1B
2	chr2_163137683	17	chr17_40467745	3.876	8.107	0.004408	IFIH1	STAT3
4	chr4_103561106	13	chr13_40293469	5.069	8.107	0.004409	COG6	MANBA
2	chr2_103006387	12	chr12_56526164	0.2497	8.107	0.00441	ESYT1	IL18R1
2	chr2_102957348	19	chr19_49671451	3.461	8.106	0.004411	IL1RL1	TRPM4
2	chr2_103040177	12	chr12_6623942	0.1632	8.106	0.004412	IL18RAP	NCAPD2
2	chr2_102960007	8	chr8_3265671	6.112	8.105	0.004414	CSMD1	IL1RL1
5	chr5_96117300	11	chr11_9457738	3.794	8.104	0.004418	ERAP1	IPO7
5	chr5_96237114	6	chr6_138539306	2.409	8.102	0.004421	ERAP2	PBOV1
1	chr1_159002778	19	chr19_10081322	1.465	8.099	0.004429	COL5A3	IFI16
1	chr1_152732436	10	chr10_75139799	5.249	8.096	0.004437	ANXA7	KPRP
1	chr1_158987941	17	chr17_38153711	2.997	8.096	0.004437	IFI16	PSMD3
1	chr1_207009910	12	chr12_56537544	0.2383	8.095	0.004438	ESYT1	IL19
1	chr1_152329369	16	chr16_10992745	3.849	8.092	0.004445	CIITA	FLG2
2	chr2_102984624	4	chr4_103514445	0.8889	8.089	0.004453	IL18R1	NFKB1
1	chr1_152770589	5	chr5_131825142	2.775	8.088	0.004455	IRF1	LCE1D
1	chr1_67666705	14	chr14_64896783	0.3489	8.083	0.004467	IL23R	MIR548AZ
1	chr1_158986477	10	chr10_90034899	1.114	8.083	0.004468	IFI16	RNLS
1	chr1_158986225	5	chr5_150497409	0.1712	8.082	0.004469	ANXA6	IFI16
2	chr2_102960007	17	chr17_40854650	3.35	8.082	0.004472	EZH1	IL1RL1
2	chr2_163137871	4	chr4_103553090	0.8739	8.081	0.004472	IFIH1	MANBA
1	chr1_152770589	6	chr6_138539204	5.962	8.078	0.004479	LCE1D	PBOV1

5	chr5_158750013	19	chr19_49618883	0.2746	8.078	0.00448	IL12B	LIN7B
4	chr4_103594918	22	chr22_22153398	2.403	8.077	0.004482	MANBA	MAPK1
2	chr2_102968007	20	chr20_48599604	4.425	8.075	0.004489	IL1RL1	SNAI1
2	chr2_62728105	19	chr19_49540044	0.2221	8.072	0.004497	CGB1	TMEM17
1	chr1_206972365	2	chr2_102968356	6.479	8.065	0.004512	IL19	IL1RL1
1	chr1_67838353	1	chr1_152329369	2.909	8.065	0.004513	FLG2	IL12RB2
2	chr2_103011237	6	chr6_111922466	0.192	8.064	0.004516	IL18R1	TRAF3IP2-AS1
7	chr7_37172827	12	chr12_56384687	4.046	8.062	0.004519	ELMO1	RAB5B
1	chr1_26524108	12	chr12_111895203	3.302	8.061	0.004522	ATXN2	CATSPER4
2	chr2_163137695	17	chr17_40467745	3.861	8.061	0.004522	IFIH1	STAT3
12	chr12_112499067	17	chr17_78178830	7.72	8.061	0.004524	CARD14	NAA25
1	chr1_159002778	6	chr6_111912800	2.437	8.06	0.004526	IFI16	TRAF3IP2
10	chr10_102116355	19	chr19_49206631	0.3744	8.059	0.004528	FUT2	SCD
3	chr3_121647656	11	chr11_9983631	0.4523	8.056	0.004537	SBF2	SLC15A2
3	chr3_45187671	5	chr5_150509120	3.907	8.055	0.004538	ANXA6	CDCP1
12	chr12_56737245	16	chr16_31095204	0.1561	8.055	0.004539	PRSS53	STAT2
2	chr2_103040945	11	chr11_65372777	2.455	8.051	0.004548	IL18RAP	MAP3K11
2	chr2_62728105	9	chr9_32631110	0.2138	8.046	0.004561	TAF1L	TMEM17
5	chr5_96237114	16	chr16_31272988	2.505	8.044	0.004566	ERAP2	ITGAM
1	chr1_207014445	2	chr2_103006387	4.99	8.042	0.00457	IL18R1	IL19
12	chr12_6464809	19	chr19_10096742	2.801	8.042	0.00457	COL5A3	SCNN1A
2	chr2_102968356	11	chr11_64003792	8.63	8.041	0.004572	IL1RL1	VEGFB
4	chr4_103594918	17	chr17_40498527	0.1917	8.041	0.004572	MANBA	STAT3
12	chr12_6464809	19	chr19_10103573	5.664	8.041	0.004573	COL5A3	SCNN1A
2	chr2_61175288	20	chr20_48467560	0.2346	8.038	0.00458	PUS10	SLC9A8
2	chr2_102960007	11	chr11_9806626	0.213	8.037	0.004582	IL1RL1	SBF2-AS1
12	chr12_6500105	13	chr13_99992763	7.456	8.037	0.004584	LTBR	UBAC2
2	chr2_103006387	17	chr17_38146282	0.2887	8.035	0.004588	IL18R1	PSMD3
4	chr4_103594938	17	chr17_40498527	0.1918	8.035	0.004588	MANBA	STAT3
4	chr4_103534560	17	chr17_40490762	0.2353	8.035	0.004589	NFKB1	STAT3
2	chr2_62733253	8	chr8_3201033	3.063	8.034	0.00459	CSMD1	TMEM17
5	chr5_150443005	16	chr16_11004061	0.1815	8.034	0.00459	CIITA	TNIP1
1	chr1_152671505	2	chr2_103011237	6.763	8.032	0.004596	IL18R1	LCE2A
1	chr1_207009910	12	chr12_122354028	0.1406	8.03	0.0046	IL19	PSMD9
1	chr1_159002778	16	chr16_31371659	2.111	8.026	0.00461	IFI16	ITGAX
12	chr12_6560167	20	chr20_48522585	3.6	8.026	0.004612	CD27	SPATA2
2	chr2_102998279	6	chr6_111922466	0.1926	8.025	0.004614	IL18R1	TRAF3IP2-AS1
1	chr1_152759678	4	chr4_103645041	3.449	8.024	0.004617	LCE1E	MANBA
17	chr17_73539671	18	chr18_12978733	0.2183	8.023	0.004618	LLGL2	SEH1L
6	chr6_111887624	17	chr17_78171944	1.877	8.022	0.004621	CARD14	TRAF3IP2-AS1
12	chr12_6861043	17	chr17_40497728	0.196	8.022	0.004622	MLF2	STAT3
2	chr2_102957348	12	chr12_6623942	0.1623	8.021	0.004624	IL1RL1	NCAPD2
9	chr9_32631356	19	chr19_10464687	3.392	8.021	0.004624	TAF1L	TYK2
3	chr3_121646805	19	chr19_10108850	0.0961	8.02	0.004626	COL5A3	SLC15A2
17	chr17_38063381	21	chr21_35174730	2.566	8.018	0.004632	GSDMB	ITSN1
9	chr9_32974535	10	chr10_81056383	9.777	8.018	0.004633	APTX	ZMIZ1
1	chr1_234584446	5	chr5_150518177	0.3901	8.015	0.004639	ANXA6	TARBP1
12	chr12_6464958	19	chr19_10464687	0.4224	8.014	0.004641	SCNN1A	TYK2
2	chr2_103040945	14	chr14_35761791	0.2451	8.013	0.004645	IL18RAP	PSMA6
1	chr1_234563154	12	chr12_56384687	3.965	8.012	0.004647	RAB5B	TARBP1
2	chr2_62728046	5	chr5_79730041	0.2917	8.009	0.004653	TMEM17	ZFYVE16
2	chr2_102960007	5	chr5_150497409	0.152	8.009	0.004654	ANXA6	IL1RL1
5	chr5_150518177	20	chr20_48467560	2.791	8.007	0.004659	ANXA6	SLC9A8
1	chr1_158986225	17	chr17_38153711	3.476	8.005	0.004666	IFI16	PSMD3
5	chr5_131671710	19	chr19_10104154	0.3017	8.003	0.00467	COL5A3	LOC553103
2	chr2_102984624	6	chr6_111887624	0.3871	8.002	0.004672	IL18R1	TRAF3IP2-AS1
2	chr2_102959885	5	chr5_96222185	5.393	8.001	0.004676	ERAP2	IL1RL1
5	chr5_96339273	8	chr8_3432543	2.502	7.999	0.004681	CSMD1	LNPEP
2	chr2_61128164	5	chr5_96249323	2.503	7.998	0.004682	ERAP2	REL
17	chr17_38345292	19	chr19_10085062	0.2059	7.996	0.004687	COL5A3	RAPGEFL1
17	chr17_40481529	22	chr22_22143007	0.2343	7.995	0.004692	MAPK1	STAT3
18	chr18_12859034	19	chr19_53454387	10.91	7.994	0.004694	PTPN2	ZNF816
2	chr2_62728046	19	chr19_10812975	3.089	7.989	0.004707	QTRT1	TMEM17
17	chr17_38024626	21	chr21_35174730	2.593	7.988	0.004708	ITSN1	ZBP2



1	chr1_152759678	19	chr19_10421269	8.299	7.987	0.004711	FDX1L	LCE1E
1	chr1_159002222	12	chr12_6619794	3.017	7.986	0.004714	IFI16	NCAPD2
2	chr2_163253471	4	chr4_103534560	0.201	7.986	0.004714	KCNH7	NFKB1
1	chr1_8075575	4	chr4_103553090	0.3539	7.985	0.004716	ERRFI1	MANBA
2	chr2_103090127	12	chr12_6619334	1.951	7.985	0.004718	NCAPD2	SLC9A4
1	chr1_152759678	16	chr16_11141179	0.2273	7.984	0.004719	CLEC16A	LCE1E
5	chr5_131671710	17	chr17_73871467	2.746	7.983	0.004722	LOC553103	TRIM47
12	chr12_56384687	18	chr18_12979041	1.147	7.98	0.00473	RAB5B	SEH1L
1	chr1_158987941	20	chr20_48522414	0.4603	7.979	0.004731	IFI16	SPATA2
7	chr7_37136346	19	chr19_10472933	0.1832	7.979	0.004733	ELMO1	TYK2
4	chr4_103557251	5	chr5_96118852	1.092	7.978	0.004735	ERAP1	MANBA
2	chr2_102984671	17	chr17_40854650	3.257	7.978	0.004736	EZHI	IL18R1
5	chr5_96513471	22	chr22_22160172	8.223	7.977	0.004738	MAPK1	RIOK2
1	chr1_12249031	20	chr20_48562657	4.174	7.976	0.00474	RNF114	TNFRSF1B
2	chr2_163137871	17	chr17_40467745	3.832	7.974	0.004746	IFIH1	STAT3
1	chr1_158986477	17	chr17_73515227	2.502	7.972	0.004751	IFI16	TSEN54
5	chr5_96124447	6	chr6_138196860	0.177	7.971	0.004752	ERAP1	TNFAIP3
1	chr1_11917786	21	chr21_34954851	5.876	7.971	0.004754	DONSON	NPPB
2	chr2_62733253	3	chr3_121642101	0.2723	7.971	0.004754	SLC15A2	TMEM17
2	chr2_103006387	17	chr17_73539671	4.746	7.966	0.004765	IL18R1	LLGL2
4	chr4_103534560	16	chr16_31374642	2.409	7.966	0.004767	ITGAX	NFKB1
12	chr12_6560167	20	chr20_48524827	3.288	7.965	0.004769	CD27	SPATA2
5	chr5_96139250	10	chr10_89469017	3.723	7.958	0.004787	ERAP1	PAPSS2
11	chr11_9853777	17	chr17_26110034	0.2368	7.957	0.00479	NOS2	SBF2
12	chr12_6562768	12	chr12_56744422	1.455	7.957	0.004791	STAT2	TAPBP1
1	chr1_159002222	8	chr8_3200840	0.195	7.954	0.004798	CSMD1	IFI16
12	chr12_6604076	12	chr12_56364898	0.327	7.954	0.004798	CDK2	NCAPD2
1	chr1_234573171	5	chr5_131728231	0.2343	7.954	0.004799	SLC22A5	TARBP1
4	chr4_103594938	6	chr6_395246	2.103	7.953	0.004802	IRF4	MANBA
1	chr1_152329369	16	chr16_31283312	8.227	7.951	0.004806	FLG2	ITGAM
12	chr12_6483463	18	chr18_12978733	0.8611	7.95	0.00481	SCNN1A	SEH1L
2	chr2_163136771	16	chr16_11003052	6.113	7.948	0.004814	CIITA	IFIH1
1	chr1_158548793	1	chr1_158986225	0.4671	7.944	0.004825	IFI16	OR10X1
5	chr5_131671710	19	chr19_10104272	0.3045	7.943	0.004827	COL5A3	LOC553103
17	chr17_38033109	17	chr17_78180618	1.968	7.941	0.004833	CARD14	ZPBP2
19	chr19_10467300	19	chr19_53454387	6.731	7.941	0.004833	TYK2	WNF816
2	chr2_163149896	12	chr12_6131085	5.147	7.941	0.004833	IFIH1	VWF
1	chr1_234565787	16	chr16_31309033	0.137	7.94	0.004836	ITGAM	TARBP1
2	chr2_102968007	16	chr16_11051783	8.859	7.938	0.00484	CLEC16A	IL1RL1
2	chr2_103125457	12	chr12_56481493	11.2	7.938	0.00484	ERBB3	SLC9A4
5	chr5_96139250	16	chr16_31339529	0.303	7.938	0.004841	ERAP1	ITGAM
1	chr1_152759678	12	chr12_56524333	0.173	7.937	0.004843	ESYT1	LCE1E
12	chr12_6167131	12	chr12_6626369	0.4582	7.936	0.004846	NCAPD2	VWF
11	chr11_9990163	18	chr18_12984340	6.329	7.936	0.004847	SBF2	SEH1L
3	chr3_121647656	11	chr11_10019847	4.753	7.935	0.004848	SBF2	SLC15A2
1	chr1_152760075	2	chr2_62228016	0.1238	7.933	0.004854	COMMD1	LCE1E
14	chr14_35780167	19	chr19_49447713	10.47	7.932	0.004856	DHDH	PSMA6
2	chr2_103040182	12	chr12_56437315	0.05212	7.931	0.004858	IL18RAP	RPS26
1	chr1_158986225	19	chr19_10081322	1.448	7.931	0.004859	COL5A3	IFI16
5	chr5_131825152	19	chr19_10475652	4.875	7.931	0.00486	IRF1	TYK2
12	chr12_56437315	17	chr17_38031714	2.658	7.93	0.004861	RPS26	ZPBP2
12	chr12_6174384	16	chr16_31095204	0.03803	7.929	0.004865	PRSS53	VWF
2	chr2_102957348	5	chr5_79768604	0.2495	7.927	0.004871	IL1RL1	ZFYVE16
5	chr5_158705065	16	chr16_10998482	0.8865	7.927	0.004871	CIITA	UBLCP1
2	chr2_102641201	12	chr12_56527333	0.2713	7.925	0.004876	ESYT1	IL1R2
16	chr16_11444716	16	chr16_31418836	0.1445	7.923	0.004882	ITGAD	RMI2
14	chr14_35782244	19	chr19_10464687	0.3272	7.922	0.004884	PSMA6	TYK2
1	chr1_152681717	1	chr1_159002778	0.5477	7.92	0.004889	IFI16	LCE4A
1	chr1_8073450	17	chr17_78178189	6.085	7.92	0.00489	CARD14	ERRFI1
10	chr10_81072398	20	chr20_48599549	0.3067	7.919	0.004891	SNAI1	ZMIZ1
1	chr1_12387829	1	chr1_158987941	0.1191	7.918	0.004894	IFI16	VPS13D
1	chr1_152283119	2	chr2_102984671	4.685	7.917	0.004897	FLG	IL18R1
2	chr2_102967928	5	chr5_132035036	3.209	7.917	0.004898	IL1RL1	KIF3A
5	chr5_79744070	18	chr18_12979041	7.112	7.916	0.004899	SEH1L	ZFYVE16

2	chr2_163361103	20	chr20_48566065	0.1345	7.916	0.004901	KCNH7	RNF114
14	chr14_35782244	19	chr19_10104154	0.1605	7.914	0.004904	COL5A3	PSMA6
1	chr1_152770589	17	chr17_40498461	0.6772	7.914	0.004906	LCE1D	STAT3
3	chr3_121658343	5	chr5_96237114	4.183	7.914	0.004906	ERAP2	SLC15A2
1	chr1_158986225	3	chr3_121659930	1.372	7.912	0.00491	IFI16	SLC15A2
3	chr3_121646666	17	chr17_78178830	0.216	7.912	0.004911	CARD14	SLC15A2
5	chr5_96222185	18	chr18_13050127	7.158	7.909	0.004918	CEP192	ERAP2
17	chr17_40481529	19	chr19_49206631	1.089	7.908	0.004922	FUT2	STAT3
2	chr2_103040182	17	chr17_77753128	23.42	7.908	0.004922	CBX2	IL18RAP
10	chr10_81058027	12	chr12_6604076	0.9037	7.907	0.004925	NCAPD2	ZMZ1
3	chr3_121810428	19	chr19_10081219	11.8	7.905	0.004929	CD86	COL5A3
2	chr2_103090127	8	chr8_3889595	0.4058	7.905	0.00493	CSMD1	SLC9A4
2	chr2_102984671	17	chr17_73539671	4.712	7.903	0.004934	IL18R1	LLGL2
2	chr2_102997884	19	chr19_10097373	3.57	7.903	0.004936	COL5A3	IL18R1
1	chr1_67792496	1	chr1_158986225	2.312	7.902	0.004938	IFI16	IL12RB2
12	chr12_6204841	17	chr17_78178189	2.543	7.902	0.004938	CARD14	VWF
5	chr5_158705065	17	chr17_26101387	0.3511	7.902	0.004938	NOS2	UBLCP1
2	chr2_60695977	17	chr17_38153473	3.518	7.9	0.004943	BCL11A	PSMD3
4	chr4_103594938	10	chr10_75136022	0.1639	7.897	0.004951	ANXA7	MANBA
14	chr14_35761675	19	chr19_10106849	11.61	7.896	0.004955	COL5A3	PSMA6
1	chr1_152770589	12	chr12_112479891	2.144	7.895	0.004958	LCE1D	NAA25
17	chr17_26116696	17	chr17_73871467	0.3385	7.894	0.00496	NOS2	TRIM47
2	chr2_102984624	5	chr5_132035036	3.134	7.893	0.004962	IL18R1	KIF3A
4	chr4_103594938	5	chr5_150496629	0.3016	7.893	0.004962	ANXA6	MANBA
2	chr2_162875478	17	chr17_38153554	2.216	7.891	0.004967	DPP4	PSMD3
6	chr6_138615085	10	chr10_81056383	26.77	7.891	0.004968	ARFGEF3	ZMZ1
2	chr2_103040182	17	chr17_38029120	0.8608	7.889	0.004974	IL18RAP	ZPBP2
2	chr2_103090127	4	chr4_103561106	1.174	7.888	0.004975	MANBA	SLC9A4
4	chr4_103488278	17	chr17_78178182	0.2907	7.889	0.004975	CARD14	NFKB1
16	chr16_31388246	19	chr19_49206631	2.945	7.888	0.004976	FUT2	ITGAX
2	chr2_102984624	8	chr8_3205697	0.2501	7.887	0.004979	CSMD1	IL18R1
10	chr10_90034899	12	chr12_56525675	13.72	7.886	0.004981	ESYT1	RNLS
2	chr2_102957348	17	chr17_77753128	23.3	7.882	0.004992	CBX2	IL1RL1
1	chr1_172633592	2	chr2_103006448	2.617	7.879	0.005	FASLG	IL18R1
16	chr16_11016173	17	chr17_78178189	0.1367	7.872	0.005021	CARD14	CIITA
1	chr1_234563556	19	chr19_49230702	3.247	7.872	0.005022	RASIP1	TIRBP1
2	chr2_103039873	5	chr5_96116995	4.414	7.867	0.005034	ERAP1	IL18RAP
3	chr3_121646806	16	chr16_31434735	10.93	7.866	0.005038	ITGAD	SLC15A2
2	chr2_103011237	21	chr21_35175117	0.2085	7.863	0.005047	IL18R1	ITSN1
1	chr1_172633592	2	chr2_102968211	2.786	7.862	0.005048	FASLG	IL1RL1
2	chr2_103006448	11	chr11_128354978	5.535	7.862	0.005048	ETS1	IL18R1
11	chr11_65771097	12	chr12_56744422	6.703	7.861	0.00505	BANF1	STAT2
5	chr5_131825142	17	chr17_78178170	0.4104	7.86	0.005053	CARD14	IRF1
1	chr1_7997760	2	chr2_102955683	0.1833	7.859	0.005057	IL1RL1	TNFRSF9
1	chr1_67633930	5	chr5_96139250	0.4992	7.859	0.005058	ERAP1	IL23R
5	chr5_96249323	18	chr18_13050127	7.113	7.859	0.005058	CEP192	ERAP2
12	chr12_6636392	17	chr17_38073341	6.442	7.858	0.00506	GSDMB	NCAPD2
2	chr2_102997884	17	chr17_38029120	0.8616	7.857	0.005063	IL18R1	ZPBP2
1	chr1_78433350	1	chr1_152770521	0.2355	7.856	0.005066	FUBP1	LCE1D
12	chr12_112499067	17	chr17_78178170	6.334	7.854	0.005072	CARD14	NAA25
1	chr1_206972365	2	chr2_102967928	6.33	7.853	0.005074	IL19	IL1RL1
2	chr2_103006448	20	chr20_48497562	3.012	7.852	0.005076	IL18R1	SLC9A8
2	chr2_103006448	4	chr4_103514445	0.89	7.85	0.005081	IL18R1	NFKB1
2	chr2_103095494	5	chr5_96116995	4.408	7.849	0.005086	ERAP1	SLC9A4
7	chr7_37053051	19	chr19_10472933	0.3142	7.848	0.005087	ELMO1-AS1	TYK2
12	chr12_112499067	17	chr17_78178189	0.158	7.848	0.005088	CARD14	NAA25
2	chr2_102644675	5	chr5_96117300	3.239	7.848	0.005089	ERAP1	IL1R2
2	chr2_103120245	19	chr19_49206631	0.2144	7.847	0.005092	FUT2	SLC9A4
5	chr5_96132795	12	chr12_10251227	0.2796	7.841	0.005108	CLEC1A	ERAP1
1	chr1_207015917	21	chr21_34954851	3.398	7.839	0.005113	DONSON	IL19
1	chr1_7909774	2	chr2_61108996	0.1571	7.833	0.005129	REL	UTS2
1	chr1_159002594	17	chr17_73871467	3.267	7.833	0.00513	IFI16	TRIM47
2	chr2_102968007	12	chr12_6623942	0.1908	7.832	0.005132	IL1RL1	NCAPD2
2	chr2_103039873	17	chr17_77753128	23.06	7.831	0.005136	CBX2	IL18RAP

5	chr5_96121183	5	chr5_96237114	1.215	7.829	0.005141	ERAP1	ERAP2
10	chr10_102116399	20	chr20_48524827	0.304	7.829	0.005142	SCD	SPATA2
2	chr2_103006387	2	chr2_103130373	1.213	7.829	0.005142	IL18R1	SLC9A4
2	chr2_103040177	17	chr17_38029120	0.8806	7.827	0.005147	IL18RAP	ZBP2
5	chr5_96252998	17	chr17_26125933	0.2133	7.827	0.005147	ERAP2	NOS2
2	chr2_61390334	12	chr12_6483851	6.029	7.826	0.005151	C2orf74	SCNN1A
4	chr4_103537442	5	chr5_150846896	0.2403	7.823	0.005159	NFKB1	SLC36A1
12	chr12_111923656	17	chr17_78178189	3.508	7.822	0.005162	ATXN2	CARD14
1	chr1_172633592	2	chr2_103011237	2.436	7.821	0.005165	FASLG	IL18R1
16	chr16_10992624	20	chr20_48522585	2.897	7.82	0.005167	CIITA	SPATA2
5	chr5_96132795	6	chr6_138196026	0.1962	7.819	0.00517	ERAP1	TNFAIP3
1	chr1_12387829	17	chr17_40481529	9.034	7.817	0.005176	STAT3	VPS13D
2	chr2_163136727	12	chr12_6131085	4.118	7.815	0.005181	IFIH1	VWF
5	chr5_79741181	5	chr5_96124296	25.76	7.814	0.005183	ERAP1	ZFYVE16
5	chr5_96112272	17	chr17_73871467	2.895	7.813	0.005187	ERAP1	TRIM47
5	chr5_131825142	14	chr14_35761675	2.26	7.813	0.005188	IRF1	PSMA6
1	chr1_234565787	3	chr3_121646806	0.8108	7.812	0.005191	SLC15A2	TARBP1
19	chr19_10108861	19	chr19_49230664	0.2736	7.811	0.005192	COL5A3	RASIP1
1	chr1_152552160	17	chr17_38063381	2.181	7.81	0.005196	GSDMB	LCE3D
5	chr5_96509055	17	chr17_26125933	3.825	7.809	0.005198	NOS2	RIOK2
3	chr3_121810304	17	chr17_78171944	0.153	7.809	0.005199	CARD14	CD86
12	chr12_56437315	17	chr17_38063381	2.584	7.808	0.0052	GSDMB	RPS26
2	chr2_103120245	19	chr19_10472933	5.845	7.805	0.005211	SLC9A4	TYK2
2	chr2_102968362	17	chr17_38173143	0.8868	7.805	0.005212	CSF3	IL1RL1
5	chr5_96124447	10	chr10_80976056	4.445	7.804	0.005212	ERAP1	ZMIZ1
5	chr5_96222183	19	chr19_10112594	2.269	7.8	0.005223	COL5A3	ERAP2
17	chr17_37985647	17	chr17_40459737	2.919	7.8	0.005225	IKZF3	STAT5A
17	chr17_40497728	19	chr19_10108850	6.385	7.8	0.005225	COL5A3	STAT3
2	chr2_163149896	16	chr16_31372344	6.34	7.797	0.005234	IFIH1	ITGAX
2	chr2_102998279	3	chr3_121649809	2.955	7.796	0.005238	IL18R1	SLC15A2
2	chr2_102968356	18	chr18_12978733	1.173	7.794	0.005241	IL1RL1	SEH1L
1	chr1_152282229	5	chr5_150443005	0.272	7.791	0.005251	FLG	TNIP1
1	chr1_158943521	2	chr2_102641201	4.561	7.788	0.00526	IL1R2	PYHIN1
1	chr1_234573171	2	chr2_61239020	2.406	7.787	0.005264	PUS10	TARBP1
10	chr10_101934235	19	chr19_10091419	13.56	7.786	0.005265	COL5A3	ERLIN1
2	chr2_163137695	12	chr12_112479891	0.2562	7.786	0.005266	IFIH1	NAA25
2	chr2_102641201	11	chr11_9850990	3.277	7.785	0.005267	IL1R2	SBF2
14	chr14_35783677	19	chr19_10475652	3.991	7.785	0.005268	PSMA6	TYK2
2	chr2_102984671	17	chr17_40481596	0.4865	7.785	0.005269	IL18R1	STAT3
2	chr2_103040945	9	chr9_32631785	0.5018	7.782	0.005276	IL18RAP	TAF1L
1	chr1_158990412	17	chr17_38153711	2.946	7.777	0.005291	IFI16	PSMD3
1	chr1_158987941	19	chr19_10081322	1.395	7.775	0.005297	COL5A3	IFI16
1	chr1_206239427	2	chr2_62728105	0.1261	7.773	0.005304	C1orf186	TMEM17
2	chr2_102965372	17	chr17_78178189	2.541	7.771	0.005308	CARD14	IL1RL1
2	chr2_103040177	11	chr11_128354978	5.479	7.767	0.00532	ETS1	IL18RAP
2	chr2_103040182	19	chr19_10097373	3.53	7.766	0.005325	COL5A3	IL18RAP
12	chr12_56537021	19	chr19_10114033	3.007	7.765	0.005327	COL5A3	ESYT1
1	chr1_207010411	16	chr16_31095251	11.58	7.764	0.005328	IL19	PRSS53
17	chr17_26094735	17	chr17_78180618	0.2463	7.764	0.005329	CARD14	NOS2
5	chr5_96222183	11	chr11_9817519	4.779	7.761	0.005338	ERAP2	SBF2-AS1
1	chr1_24495839	2	chr2_102968211	0.5454	7.757	0.005349	IFNLR1	IL1RL1
12	chr12_6464809	12	chr12_56740176	10.08	7.757	0.00535	SCNN1A	STAT2
1	chr1_152760075	16	chr16_11141179	0.1855	7.754	0.005358	CLEC16A	LCE1E
5	chr5_158750013	17	chr17_73873127	3.761	7.754	0.005359	IL12B	TRIM47
12	chr12_6495275	18	chr18_61652376	5.3	7.75	0.005371	LTBR	SERPINB8
1	chr1_206944791	5	chr5_96118852	0.1368	7.749	0.005374	ERAP1	IL10
3	chr3_121810654	18	chr18_12978733	3.654	7.749	0.005374	CD86	SEH1L
1	chr1_158986225	16	chr16_31332719	0.2815	7.749	0.005375	IFI16	ITGAM
12	chr12_111895203	21	chr21_34876817	7.523	7.747	0.00538	ATXN2	GART
10	chr10_101934235	12	chr12_122720489	7.215	7.743	0.005393	ERLIN1	VPS33A
4	chr4_103488346	17	chr17_78178182	2.94	7.742	0.005394	CARD14	NFKB1
10	chr10_81065840	18	chr18_12979041	0.4048	7.741	0.005397	SEH1L	ZMIZ1
6	chr6_405088	12	chr12_6500105	0.36	7.742	0.005397	IRF4	LTBR
2	chr2_102955683	3	chr3_121507383	11.07	7.739	0.005405	IL1RL1	IQCB1

10	chr10_89469017	18	chr18_12984340	0.1967	7.738	0.005408	PAPSS2	SEH1L
14	chr14_35761592	20	chr20_48467560	1.256	7.738	0.005409	PSMA6	SLC9A8
10	chr10_81058027	16	chr16_30936081	0.8245	7.737	0.005411	FBXL19	ZMIZ1
1	chr1_158990412	6	chr6_111912800	2.37	7.736	0.005412	IFI16	TRAF3IP2
2	chr2_102968362	11	chr11_64003792	8.296	7.735	0.005415	IL1RL1	VEGFB
1	chr1_8074305	19	chr19_10104154	3.702	7.734	0.005418	COL5A3	ERRFI1
1	chr1_8422806	17	chr17_38153554	3.318	7.731	0.005427	PSMD3	RERE
12	chr12_6495275	12	chr12_56495532	0.04948	7.732	0.005427	ERBB3	LTBR
2	chr2_163291617	5	chr5_96251428	0.5211	7.73	0.005432	ERAP2	KCNH7
1	chr1_207009910	5	chr5_40269842	3.701	7.728	0.005437	IL19	LINC00603, PTGER4
17	chr17_40481721	19	chr19_10114033	2.027	7.728	0.005438	COL5A3	STAT3
2	chr2_102968211	11	chr11_64003792	8.118	7.727	0.005442	IL1RL1	VEGFB
2	chr2_62728046	19	chr19_10813064	0.3199	7.726	0.005442	QTRT1	TMEM17
5	chr5_96124447	10	chr10_75157049	5.874	7.726	0.005443	ANXA7	ERAP1
3	chr3_121810428	19	chr19_10114033	0.3167	7.724	0.005451	CD86	COL5A3
1	chr1_234573171	19	chr19_53456074	0.163	7.722	0.005454	TARBP1	ZNF816, ZNF816-ZNF321P
2	chr2_102641201	5	chr5_79374474	0.4049	7.722	0.005455	CTD-2201118.1	IL1R2
5	chr5_96509055	22	chr22_22160172	8.098	7.719	0.005464	MAPK1	RIOK2
1	chr1_152760075	4	chr4_103537729	0.1691	7.718	0.005468	LCE1E	NFKB1
2	chr2_102960007	12	chr12_56480404	0.0966	7.718	0.005469	ERBB3	IL1RL1
12	chr12_6204841	17	chr17_78178182	2.457	7.717	0.005471	CARD14	VWF
17	chr17_74288578	17	chr17_78180618	0.3071	7.717	0.005471	CARD14	QRICH2
4	chr4_103594918	10	chr10_75136022	0.169	7.713	0.005482	ANXA7	MANBA
5	chr5_96124296	17	chr17_40475777	6.402	7.711	0.005489	ERAP1	STAT3
2	chr2_103011237	5	chr5_132036004	0.2363	7.711	0.00549	IL18R1	KIF3A
1	chr1_206943265	5	chr5_158750013	0.4078	7.709	0.005494	IL10	IL12B
1	chr1_158986477	17	chr17_26101328	2.29	7.708	0.005496	IFI16	NOS2
11	chr11_9878207	21	chr21_34876708	2.558	7.706	0.005503	GART	SBF2
1	chr1_152659194	5	chr5_150496853	0.5947	7.705	0.005505	ANXA6	LCE2B
2	chr2_102968362	17	chr17_38153554	0.8888	7.703	0.005512	IL1RL1	PSMD3
17	chr17_40481641	19	chr19_10104272	2.306	7.703	0.005514	COL5A3	STAT3
1	chr1_207009910	16	chr16_11154878	0.1907	7.699	0.005524	CLEC16A	IL19
5	chr5_79374668	19	chr19_10464687	2.028	7.697	0.005532	CTD-2201118.1	TYK2
1	chr1_158987941	11	chr11_66083196	0.2559	7.696	0.005534	CD248	IFI16
1	chr1_234563556	2	chr2_61239020	2.425	7.696	0.005534	PUS10	TARBP1
5	chr5_158705065	17	chr17_26089891	0.1909	7.696	0.005534	NOS2	UBLCP1
9	chr9_32634519	12	chr12_6562768	0.1186	7.695	0.005537	TAF1L	TAPBP1
17	chr17_40716235	19	chr19_49693774	0.307	7.695	0.005539	COASY	TRPM4
1	chr1_207014445	2	chr2_103040945	4.825	7.694	0.005542	IL18RAP	IL19
16	chr16_31282351	17	chr17_40481529	5.81	7.69	0.005553	ITGAM	STAT3
4	chr4_103459060	17	chr17_26116896	0.2016	7.69	0.005553	NFKB1	NOS2
5	chr5_96513471	11	chr11_128426299	4.399	7.689	0.005555	ETS1	RIOK2
12	chr12_6626369	20	chr20_48522717	0.2112	7.688	0.005559	NCAPD2	SPATA2
1	chr1_158990412	5	chr5_131726566	1.809	7.688	0.00556	IFI16	SLC22A5
5	chr5_150496924	16	chr16_31095204	1.548	7.687	0.005562	ANXA6	PRSS53
1	chr1_206945718	17	chr17_40716235	0.3628	7.687	0.005563	COASY	IL10
3	chr3_121647656	16	chr16_31286874	4.905	7.685	0.005567	ITGAM	SLC15A2
2	chr2_102968362	17	chr17_38024626	0.8779	7.683	0.005573	IL1RL1	ZPBP2
7	chr7_36901278	19	chr19_49206631	7.224	7.684	0.005573	ELMO1	FUT2
12	chr12_6924180	17	chr17_73871467	0.08269	7.682	0.005578	CD4	TRIM47
1	chr1_12249031	17	chr17_37985772	2.359	7.68	0.005585	IKZF3	TNFRSF1B
2	chr2_103006387	10	chr10_89469116	0.2435	7.679	0.005587	IL18R1	PAPSS2
2	chr2_163136771	17	chr17_40716235	1.147	7.678	0.005589	COASY	IFIH1
12	chr12_6500105	19	chr19_49300625	11.11	7.678	0.00559	BCAT2	LTBR
6	chr6_138192745	19	chr19_10096538	6.379	7.676	0.005597	COL5A3	TNFAIP3
10	chr10_81058027	19	chr19_49206631	1.101	7.675	0.0056	FUT2	ZMIZ1
1	chr1_152329369	19	chr19_53456074	0.1581	7.674	0.005601	FLG2	ZNF816, ZNF816-ZNF321P
1	chr1_159002778	12	chr12_112471183	0.3223	7.673	0.005604	IFI16	NAA25
1	chr1_158986477	17	chr17_38079498	4.307	7.673	0.005606	IFI16	ORMDL3
1	chr1_159023338	5	chr5_96121715	2.581	7.673	0.005606	ERAP1	IFI16
5	chr5_96129512	5	chr5_131825142	0.3865	7.672	0.005609	ERAP1	IRF1
5	chr5_96222183	19	chr19_10226273	2.626	7.672	0.005609	EIF3G	ERAP2
2	chr2_103040177	17	chr17_38031714	0.8797	7.671	0.005612	IL18RAP	ZPBP2
5	chr5_96121994	9	chr9_32631356	3.528	7.671	0.005612	ERAP1	TAF1L

7	chr7_37311496	19	chr19_10464687	0.2838	7.671	0.005612	ELM01	TYK2
2	chr2_103059664	17	chr17_40481529	2.347	7.67	0.005614	IL18RAP	STAT3
5	chr5_96121715	10	chr10_75157049	5.836	7.67	0.005614	ANXA7	ERAP1
1	chr1_206972365	2	chr2_102968362	6.217	7.669	0.005618	IL19	IL1RL1
19	chr19_10083664	20	chr20_48599549	0.5617	7.669	0.005618	COL5A3	SNAI1
1	chr1_67889571	6	chr6_397235	0.2051	7.668	0.005621	IRF4	SERBP1
1	chr1_152671463	11	chr11_65601560	0.09427	7.666	0.005627	LCE2A	SNX32
2	chr2_102957348	5	chr5_96116995	4.247	7.665	0.00563	ERAP1	IL1RL1
3	chr3_45187671	12	chr12_10251227	3.949	7.665	0.005631	CDCP1	CLEC1A
1	chr1_67889571	1	chr1_207078526	3.796	7.664	0.005635	FCMR	SERBP1
2	chr2_103039873	19	chr19_10097373	3.501	7.663	0.005636	COL5A3	IL18RAP
1	chr1_67845536	2	chr2_102955683	0.2212	7.663	0.005637	IL12RB2	IL1RL1
2	chr2_103125466	16	chr16_31434453	0.203	7.663	0.005638	ITGAD	SLC9A4
11	chr11_10015551	17	chr17_40459737	5.752	7.659	0.00565	SBF2	STAT5A
10	chr10_101934235	12	chr12_6562768	0.7697	7.658	0.005651	ERLIN1	TAPBP1
2	chr2_163137683	16	chr16_31485639	0.2543	7.658	0.005653	IFIH1	TGFB1I1
10	chr10_81056383	12	chr12_56477859	0.3232	7.656	0.005657	ERBB3	ZMIZ1
3	chr3_101576077	19	chr19_53454387	18.18	7.656	0.005658	NFKBIZ	ZNF816
9	chr9_32629967	17	chr17_73888354	3.824	7.656	0.005658	TAF1L	TRIM65
1	chr1_152595565	5	chr5_96125910	0.5289	7.653	0.005667	ERAP1	LCE3A
2	chr2_102967928	4	chr4_103514445	0.8903	7.653	0.005668	IL1RL1	NFKB1
1	chr1_67685363	12	chr12_6483851	0.08292	7.652	0.005672	IL23R	SCNN1A
2	chr2_103040182	17	chr17_38031714	0.8605	7.65	0.005677	IL18RAP	ZBP2
1	chr1_207009910	2	chr2_163136603	2.265	7.649	0.00568	IFIH1	IL19
5	chr5_79770655	5	chr5_96121069	3.089	7.649	0.005681	ERAP1	ZFYVE16
5	chr5_96118852	10	chr10_80976056	4.913	7.649	0.005681	ERAP1	ZMIZ1
2	chr2_61413625	17	chr17_73888354	9.107	7.647	0.005686	AHSA2	TRIM65
10	chr10_81060474	12	chr12_10251227	0.3515	7.646	0.00569	CLEC1A	ZMIZ1
2	chr2_103125457	12	chr12_6619334	1.938	7.646	0.005691	NCAPD2	SLC9A4
1	chr1_152760075	10	chr10_81049583	3.848	7.645	0.005693	LCE1E	ZMIZ1
1	chr1_206972365	5	chr5_96129512	2.835	7.645	0.005694	ERAP1	IL19
1	chr1_67155976	2	chr2_103090127	0.2347	7.643	0.005698	SGIP1	SLC9A4
5	chr5_96232222	16	chr16_31272988	2.452	7.642	0.005703	ERAP2	ITGAM
2	chr2_103125466	10	chr10_81060474	1.101	7.642	0.005704	SLC9A4	ZMIZ1
5	chr5_96222185	16	chr16_31272988	2.588	7.641	0.005705	ERAP2	ITGAM
1	chr1_152276618	1	chr1_234563556	6.2	7.64	0.00571	FLG	TARBP1
5	chr5_96222183	6	chr6_138539306	2.356	7.64	0.00571	ERAP2	PBOV1
2	chr2_102998279	11	chr11_64003792	8.019	7.637	0.005719	IL18R1	VEGFB
5	chr5_96117300	10	chr10_75157049	7.099	7.637	0.005719	ANXA7	ERAP1
2	chr2_62733253	11	chr11_9803114	2.146	7.634	0.005727	SBF2	TMEM17
17	chr17_76115583	20	chr20_48522585	0.115	7.633	0.00573	SPATA2	TMC6
1	chr1_158990412	17	chr17_26115966	0.3391	7.633	0.005731	IFI16	NOS2
1	chr1_67838353	10	chr10_90034899	0.3176	7.631	0.005739	IL12RB2	RNLS
17	chr17_40459737	17	chr17_73752557	0.2682	7.63	0.00574	ITGB4	STAT5A
2	chr2_103125457	17	chr17_73752358	0.1701	7.629	0.005745	ITGB4	SLC9A4
2	chr2_61108996	3	chr3_44692461	13.3	7.629	0.005745	REL	ZNF35
3	chr3_101574738	17	chr17_73888273	12.31	7.628	0.005746	NFKBIZ	TRIM65
2	chr2_103006448	10	chr10_89472846	9.647	7.628	0.005747	IL18R1	PAPSS2
1	chr1_8075575	4	chr4_103557251	2.888	7.628	0.005748	ERRFI1	MANBA
6	chr6_138196059	19	chr19_10464687	0.5031	7.628	0.005748	TNFAIP3	TYK2
1	chr1_234546228	19	chr19_10104154	5.633	7.627	0.005751	COL5A3	TARBP1
2	chr2_102644675	5	chr5_96129512	3.089	7.626	0.005753	ERAP1	IL1R2
2	chr2_102997884	17	chr17_38024626	0.8608	7.626	0.005753	IL18R1	ZBP2
1	chr1_206239427	18	chr18_12978733	6.749	7.626	0.005754	C1orf186	SEH1L
1	chr1_67155976	2	chr2_103040945	0.2351	7.626	0.005754	IL18RAP	SGIP1
17	chr17_73515172	17	chr17_78178830	2.524	7.626	0.005754	CARD14	TSEN54
1	chr1_172633592	2	chr2_102997884	2.999	7.625	0.005756	FASLG	IL18R1
2	chr2_163149896	5	chr5_96222496	0.1477	7.625	0.005757	ERAP2	IFIH1
1	chr1_152681704	18	chr18_12984340	2.352	7.624	0.00576	LCE4A	SEH1L
16	chr16_10992624	20	chr20_48524827	2.869	7.623	0.005762	CIITA	SPATA2
1	chr1_234565787	12	chr12_56336054	2.985	7.623	0.005763	DGKA	TARBP1
11	chr11_9457738	19	chr19_10464687	4.614	7.623	0.005763	IPO7	TYK2
12	chr12_56737245	16	chr16_30938811	0.1488	7.623	0.005763	FBXL19	STAT2
1	chr1_159002222	8	chr8_3432634	0.208	7.622	0.005765	CSMD1	IFI16

2	chr2_102641201	16	chr16_31282433	0.266	7.622	0.005765	IL1R2	ITGAM
11	chr11_63919916	19	chr19_10104154	7.318	7.622	0.005766	COL5A3	MACROD1
14	chr14_35761592	16	chr16_31288280	9.358	7.622	0.005767	ITGAM	PSMA6
1	chr1_24082393	19	chr19_49206631	0.1726	7.621	0.005769	FUT2	TCEB3
1	chr1_67666705	5	chr5_96119546	0.2436	7.621	0.005769	ERAP1	IL23R
1	chr1_234565787	19	chr19_53456074	0.1616	7.621	0.00577	TARBP1	ZNF816, ZNF816-ZNF321P
6	chr6_138192745	19	chr19_49230664	6.78	7.621	0.005771	RASIP1	TNFAIP3
9	chr9_32974535	19	chr19_10108850	0.2917	7.62	0.005773	APTX	COL5A3
5	chr5_96125910	13	chr13_40251725	0.2422	7.619	0.005777	COG6	ERAP1
5	chr5_132051497	13	chr13_20763612	0.04758	7.617	0.005781	GJB2	KIF3A
17	chr17_40939982	20	chr20_48524827	3.635	7.617	0.005783	SPATA2	WNK4
2	chr2_62733253	16	chr16_11363087	3.14	7.613	0.005794	TMEM17	TNP2
16	chr16_11363064	20	chr20_48522585	4.733	7.613	0.005796	SPATA2	TNP2
12	chr12_6483463	18	chr18_12979041	0.8612	7.612	0.005799	SCNN1A	SEH1L
1	chr1_159002222	16	chr16_31332719	0.3075	7.611	0.005801	IFI16	ITGAM
11	chr11_64543820	16	chr16_31095204	0.276	7.61	0.005803	PRSS53	SF1
1	chr1_152283119	2	chr2_102955683	4.48	7.608	0.005812	FLG	IL1RL1
2	chr2_102997884	5	chr5_96116995	4.224	7.607	0.005814	ERAP1	IL18R1
2	chr2_163228440	21	chr21_34876708	6.525	7.607	0.005814	GART	KCNH7
5	chr5_158750013	12	chr12_56525038	3.014	7.606	0.005819	ESYT1	IL12B
1	chr1_234565787	10	chr10_81058144	3.917	7.604	0.005822	TARBP1	ZMIZ1
3	chr3_121649809	17	chr17_26084532	2.509	7.604	0.005825	NOS2	SLC15A2
4	chr4_103534560	18	chr18_61652376	0.3884	7.603	0.005826	NFKB1	SERPINB8
3	chr3_121646666	17	chr17_78178170	0.1983	7.603	0.005828	CARD14	SLC15A2
2	chr2_103040177	12	chr12_56482032	7.263	7.602	0.005829	ERBB3	IL18RAP
1	chr1_67648502	19	chr19_10108850	4.693	7.6	0.005837	COL5A3	IL23R
5	chr5_96124296	20	chr20_48481366	3.83	7.598	0.005843	ERAP1	SLC9A8
2	chr2_163149896	5	chr5_150704758	1.765	7.598	0.005844	IFIH1	SLC36A2
1	chr1_207013389	5	chr5_158750013	0.2552	7.597	0.005845	IL12B	IL19
2	chr2_163123888	19	chr19_10472933	0.1826	7.597	0.005847	IFIH1	TYK2
5	chr5_96252998	6	chr6_138196026	2.726	7.596	0.00585	ERAP2	TNFAIP3
1	chr1_172633592	2	chr2_102957348	2.998	7.595	0.005852	FASLG	IL1RL1
5	chr5_96509055	6	chr6_398780	3.087	7.595	0.005853	IRF4	RIOK2
17	chr17_76425289	19	chr19_10114033	0.2605	7.594	0.005855	COL5A3	DNAH17
2	chr2_103040945	2	chr2_103095494	1.218	7.594	0.005856	IL18RAP	SLC9A4
19	chr19_10083664	19	chr19_10475652	1.839	7.592	0.005864	COL5A3	TYK2
3	chr3_121658343	5	chr5_96249323	4.078	7.59	0.005869	ERAP2	SLC15A2
1	chr1_152733376	16	chr16_31388246	19.96	7.59	0.00587	ITGAX	KPRP
1	chr1_159002778	10	chr10_75214255	0.2479	7.59	0.00587	IFI16	PPP3CB
2	chr2_61149014	17	chr17_40716235	2.658	7.589	0.005874	COASY	REL
1	chr1_67838353	5	chr5_96232222	2.461	7.588	0.005877	ERAP2	IL12RB2
1	chr1_158987941	3	chr3_121659930	1.34	7.587	0.005878	IFI16	SLC15A2
2	chr2_163136771	17	chr17_26084296	3.134	7.586	0.005883	IFIH1	NOS2
2	chr2_62096845	2	chr2_62728105	6.168	7.586	0.005883	CCT4	TMEM17
2	chr2_102641201	17	chr17_78222239	2.7	7.585	0.005884	IL1R2	SLC26A11
2	chr2_103011237	12	chr12_56482032	7.246	7.585	0.005884	ERBB3	IL18R1
4	chr4_103557219	5	chr5_96339273	1.096	7.585	0.005886	LNPEP	MANBA
2	chr2_102968211	18	chr18_12978733	1.175	7.584	0.00589	IL1RL1	SEH1L
1	chr1_207013378	5	chr5_96118852	4.515	7.583	0.005894	ERAP1	IL19
2	chr2_61190024	20	chr20_48467560	5.758	7.582	0.005896	PUS10	SLC9A8
5	chr5_96249323	6	chr6_138539306	2.363	7.58	0.0059	ERAP2	PBOV1
10	chr10_75136022	16	chr16_30938811	12.33	7.579	0.005905	ANXA7	FBXL19
1	chr1_207009910	19	chr19_49399711	7.417	7.579	0.005906	IL19	TULP2
5	chr5_96249323	19	chr19_10112594	2.393	7.578	0.005908	COL5A3	ERAP2
9	chr9_32630600	12	chr12_56740682	9.12	7.576	0.005914	STAT2	TAF1L
5	chr5_96509055	21	chr21_34876817	2.979	7.576	0.005916	GART	RIOK2
2	chr2_102984624	18	chr18_12979041	1.172	7.575	0.005917	IL18R1	SEH1L
1	chr1_152770589	19	chr19_10100037	0.3944	7.575	0.00592	COL5A3	LCE1D
1	chr1_12387829	1	chr1_159002222	0.05366	7.574	0.005922	IFI16	VPS13D
5	chr5_158750013	17	chr17_40854559	2.419	7.573	0.005925	EZH1	IL12B
3	chr3_45187671	3	chr3_121643974	3.988	7.572	0.005928	CDCP1	SLC15A2
16	chr16_11361927	19	chr19_10104154	0.3629	7.571	0.005932	COL5A3	TNP2
11	chr11_9875164	17	chr17_40481529	0.2148	7.57	0.005936	SBF2	STAT3
9	chr9_32629967	17	chr17_73871467	3.705	7.57	0.005936	TAF1L	TRIM47

3	chr3_45187671	3	chr3_121822702	5.307	7.568	0.005941	CD86	CDCP1
1	chr1_12249031	19	chr19_10478756	5.742	7.568	0.005942	TNFRSF1B	TYK2
1	chr1_158990412	17	chr17_73515227	2.48	7.567	0.005943	IFI16	TSEN54
17	chr17_38079482	17	chr17_38153554	0.3897	7.567	0.005943	ORMDL3	PSMD3
2	chr2_103011237	3	chr3_169500454	2.754	7.567	0.005946	IL18R1	MYNN
2	chr2_61145615	19	chr19_10114033	2.518	7.565	0.00595	COL5A3	REL
17	chr17_38146282	20	chr20_48599549	2.641	7.564	0.005956	PSMD3	SNAI1
2	chr2_103040177	12	chr12_6928439	10.68	7.563	0.005959	CD4	IL18RAP
19	chr19_10114033	21	chr21_34876817	3.629	7.559	0.005972	COL5A3	GART
2	chr2_102968211	17	chr17_38173143	0.8857	7.558	0.005974	CSF3	IL1RL1
1	chr1_12387829	1	chr1_158990412	0.1217	7.558	0.005976	IFI16	VPS13D
1	chr1_158987941	12	chr12_111923168	0.3982	7.557	0.005976	ATXN2	IFI16
12	chr12_56495023	20	chr20_48467560	1.638	7.558	0.005976	ERBB3	SLC9A8
2	chr2_103090127	8	chr8_3265671	5.118	7.558	0.005976	CSMD1	SLC9A4
5	chr5_96121715	16	chr16_31339529	0.2814	7.557	0.005977	ERAP1	ITGAM
1	chr1_67666705	12	chr12_111907989	0.09974	7.554	0.005987	ATXN2	IL23R
2	chr2_103011237	12	chr12_6928439	10.67	7.554	0.005987	CD4	IL18R1
5	chr5_96118852	11	chr11_64004683	0.2274	7.554	0.005987	ERAP1	VEGFB
1	chr1_152759678	12	chr12_56365078	0.2545	7.554	0.005989	CDK2	LCE1E
1	chr1_173155630	12	chr12_6861043	0.2498	7.553	0.00599	MLF2	TNFSF4
3	chr3_121646806	17	chr17_26100284	0.1988	7.553	0.00599	NOS2	SLC15A2
2	chr2_163149965	4	chr4_103557219	1.152	7.552	0.005994	IFIH1	MANBA
5	chr5_96237114	10	chr10_75564556	3.665	7.552	0.005994	ERAP2	NDST2
5	chr5_131755603	12	chr12_6626369	9.433	7.55	0.006	C5orf56	NCAPD2
5	chr5_96225009	5	chr5_96509055	0.1844	7.55	0.006	ERAP2	RIOK2
12	chr12_56398287	20	chr20_48467560	0.2731	7.55	0.006002	SLC9A8	SUOX
2	chr2_62733253	9	chr9_32631110	0.252	7.55	0.006002	TAF1L	TMEM17
1	chr1_8073450	17	chr17_78178830	0.1877	7.548	0.006006	CARD14	ERRFI1
1	chr1_172634903	2	chr2_102960007	0.2561	7.547	0.006011	FASLG	IL1RL1
2	chr2_60695977	17	chr17_38173143	3.446	7.547	0.006012	BCL11A	CSF3
5	chr5_150496853	17	chr17_37933916	9.781	7.546	0.006013	ANXA6	IKZF3
5	chr5_96117300	16	chr16_31339529	0.3279	7.545	0.006018	ERAP1	ITGAM
2	chr2_103006387	8	chr8_3265671	5.235	7.543	0.006024	CSMD1	IL18R1
1	chr1_206972442	5	chr5_96125910	1.899	7.543	0.006025	ERAP1	IL19
5	chr5_79374668	16	chr16_11009267	0.3646	7.543	0.006025	CIITA	CTD-220I18.1
1	chr1_67889571	5	chr5_96121183	0.8269	7.543	0.006026	ERAP1	SERBP1
12	chr12_6562768	17	chr17_38073341	6.211	7.543	0.006026	GSDMB	TAFBPL
16	chr16_10998482	16	chr16_31341942	0.245	7.541	0.006033	CIITA	ITGAM
17	chr17_74288578	17	chr17_78171944	2.977	7.54	0.006034	CARD14	QRICH2
1	chr1_234529158	5	chr5_150443005	0.146	7.54	0.006035	TARBP1	TNIP1
17	chr17_38173143	19	chr19_49119894	1.367	7.54	0.006035	CSF3	RPL18
1	chr1_67666705	5	chr5_150509163	0.04556	7.539	0.006036	ANXA6	IL23R
1	chr1_234584446	19	chr19_49206764	3.876	7.535	0.00605	FUT2	TARBP1
5	chr5_131730095	17	chr17_38031714	0.2833	7.535	0.006051	SLC22A5	ZBP2
5	chr5_96252998	6	chr6_138539306	2.511	7.533	0.006059	ERAP2	PBOV1
3	chr3_121810428	5	chr5_96232222	2.472	7.532	0.00606	CD86	ERAP2
1	chr1_152759678	17	chr17_26116762	0.4447	7.53	0.006069	LCE1E	NOS2
1	chr1_207013378	5	chr5_96222185	3.602	7.529	0.00607	ERAP2	IL19
2	chr2_102997884	19	chr19_49671451	3.195	7.529	0.006072	IL18R1	TRPM4
5	chr5_96125910	9	chr9_32631356	3.666	7.528	0.006075	ERAP1	TAF1L
2	chr2_102955683	10	chr10_81058027	1.107	7.527	0.006077	IL1RL1	ZMIZ1
3	chr3_101571838	19	chr19_10108850	7.175	7.527	0.006078	COL5A3	NFKBIZ
3	chr3_45187671	20	chr20_48497595	0.1118	7.527	0.006078	CDCP1	SLC9A8
2	chr2_102641201	5	chr5_150518292	0.2249	7.526	0.006082	ANXA6	IL1R2
2	chr2_102967928	11	chr11_64003792	7.913	7.526	0.006082	IL1RL1	VEGFB
2	chr2_102968362	12	chr12_6604632	0.148	7.525	0.006085	IL1RL1	NCAPD2
2	chr2_103006448	12	chr12_56482032	7.189	7.525	0.006086	ERBB3	IL18R1
4	chr4_103594918	14	chr14_35782163	0.4852	7.525	0.006086	MANBA	PSMA6
1	chr1_152329369	17	chr17_26101474	3.519	7.524	0.00609	FLG2	NOS2
1	chr1_7912870	16	chr16_31122571	0.6609	7.523	0.00609	BCKDK	UTS2
3	chr3_121810428	5	chr5_96125910	2.655	7.521	0.006098	CD86	ERAP1
5	chr5_150566792	14	chr14_35778161	5.016	7.52	0.006103	CCDC69	PSMA6
7	chr7_37311496	19	chr19_10472933	0.2568	7.519	0.006105	ELMO1	TYK2
3	chr3_101451473	5	chr5_96139250	3.871	7.519	0.006106	CEP97	ERAP1

12	chr12_6636392	12	chr12_56744445	1.436	7.518	0.006109	NCAPD2	STAT2
5	chr5_96249323	10	chr10_75564556	4.078	7.518	0.006109	ERAP2	NDST2
17	chr17_40459737	21	chr21_34876635	0.3299	7.516	0.006116	GART	STAT5A
2	chr2_163128755	17	chr17_78117807	5.328	7.516	0.006116	EIF4A3	IFIH1
1	chr1_152283119	2	chr2_103090127	4.415	7.514	0.006122	FLG	SLC9A4
7	chr7_37251085	17	chr17_78178170	0.5266	7.514	0.006123	CARD14	ELM01
2	chr2_102968356	4	chr4_103514445	0.892	7.513	0.006126	IL1RL1	NFKB1
2	chr2_102984671	17	chr17_40459737	0.9074	7.512	0.006129	IL18R1	STAT5A
2	chr2_102955683	17	chr17_73539671	5.182	7.511	0.006131	IL1RL1	LLGL2
6	chr6_138195902	17	chr17_38024626	0.2704	7.511	0.006131	TNFAIP3	ZBPB2
2	chr2_102968211	16	chr16_11051783	8.476	7.51	0.006135	CLEC16A	IL1RL1
16	chr16_31371659	17	chr17_73888273	2.932	7.509	0.006138	ITGAX	TRIM65
4	chr4_103557251	19	chr19_10096595	0.215	7.508	0.006143	COL5A3	MANBA
5	chr5_96139250	10	chr10_102116399	2.287	7.506	0.006148	ERAP1	SCD
12	chr12_6636392	12	chr12_56480471	4.756	7.505	0.006151	ERBB3	NCAPD2
5	chr5_96121994	12	chr12_111947788	1.89	7.505	0.006154	ATXN2	ERAP1
1	chr1_67633930	5	chr5_96118852	0.5133	7.504	0.006155	ERAP1	IL23R
1	chr1_67889571	2	chr2_102957348	0.8714	7.503	0.006159	IL1RL1	SERBP1
12	chr12_6562768	17	chr17_26125857	0.08735	7.502	0.006161	NOS2	TAPBP1
11	chr11_128356074	21	chr21_34876708	2.541	7.502	0.006162	ETS1	GART
11	chr11_9875164	19	chr19_10472933	4.599	7.502	0.006163	SBF2	TYK2
17	chr17_26116619	17	chr17_38029120	0.3411	7.502	0.006163	NOS2	ZBPB2
3	chr3_121646806	14	chr14_64896993	2.89	7.501	0.006166	MIR548AZ	SLC15A2
1	chr1_7998790	20	chr20_48599549	0.1948	7.5	0.006171	SNAI1	TNFRSF9
12	chr12_56384687	16	chr16_31390845	2.944	7.5	0.006171	ITGAX	RAB5B
2	chr2_61175288	12	chr12_6604076	3.038	7.499	0.006174	NCAPD2	PUS10
5	chr5_96121069	12	chr12_112486140	0.2301	7.496	0.006183	ERAP1	NAA25
12	chr12_6464958	21	chr21_34876708	0.3453	7.496	0.006184	GART	SCNN1A
1	chr1_26603964	5	chr5_158750013	2.36	7.494	0.006189	CEP85	IL12B
2	chr2_62728046	17	chr17_40476759	0.2357	7.494	0.006189	STAT3	TMEM17
2	chr2_103039873	4	chr4_103531882	0.187	7.493	0.006195	IL18RAP	NFKB1
1	chr1_158987941	12	chr12_6464958	0.3807	7.492	0.006199	IFI16	SCNN1A
1	chr1_159002222	1	chr1_207009910	0.8996	7.492	0.006199	IFI16	IL19
18	chr18_12984340	19	chr19_10264986	5.859	7.489	0.006208	DNMT1	SEH1L
1	chr1_7879424	1	chr1_152770589	2.771	7.488	0.006211	LCE1D	PER3
5	chr5_158750013	12	chr12_6457918	4.447	7.487	0.006216	IL12B	SCNN1A
2	chr2_103130373	5	chr5_158705519	0.6308	7.486	0.006217	SLC9A4	UBLCP1
1	chr1_152770589	19	chr19_10421269	17.12	7.486	0.006218	FDX1L	LCE1D
2	chr2_103040945	2	chr2_103130373	1.211	7.486	0.006219	IL18RAP	SLC9A4
2	chr2_102968211	12	chr12_6623942	0.1979	7.486	0.00622	IL1RL1	NCAPD2
13	chr13_40256402	19	chr19_10464687	2.918	7.485	0.006221	COG6	TYK2
2	chr2_103011237	20	chr20_48497562	2.94	7.483	0.006228	IL18R1	SLC9A8
3	chr3_121647656	16	chr16_10996069	0.2914	7.483	0.006228	CIITA	SLC15A2
1	chr1_12249031	12	chr12_6635503	0.4258	7.482	0.006232	NCAPD2	TNFRSF1B
2	chr2_102968356	12	chr12_6623942	0.198	7.481	0.006236	IL1RL1	NCAPD2
1	chr1_67845536	2	chr2_103006387	0.2451	7.48	0.006238	IL12RB2	IL18R1
3	chr3_45187671	5	chr5_96251428	1.48	7.48	0.006238	CDCP1	ERAP2
1	chr1_8073466	17	chr17_38024626	0.2619	7.48	0.00624	ERRFI1	ZBPB2
2	chr2_62728105	19	chr19_10248318	5.468	7.476	0.006253	DNMT1	TMEM17
1	chr1_207009910	6	chr6_138201405	11.16	7.476	0.006254	IL19	TNFAIP3
1	chr1_206942085	5	chr5_96509055	0.2934	7.474	0.00626	IL10	RIOK2
12	chr12_6959859	16	chr16_31095251	14.64	7.474	0.006261	CDCA3	PRSS53
2	chr2_102997884	17	chr17_38031714	0.8624	7.474	0.006261	IL18R1	ZBPB2
1	chr1_158986477	16	chr16_31332628	0.3897	7.473	0.006262	IFI16	ITGAM
2	chr2_102998279	12	chr12_6928439	10.53	7.473	0.006263	CD4	IL18R1
1	chr1_234584446	19	chr19_49230702	2.913	7.472	0.006267	RASIP1	TARBP1
1	chr1_152552160	17	chr17_38029120	2.123	7.472	0.006268	LCE3D	ZBPB2
9	chr9_32630600	12	chr12_56744422	8.995	7.47	0.006275	STAT2	TAF1L
1	chr1_206972365	2	chr2_102984624	6.056	7.469	0.006276	IL18R1	IL19
1	chr1_206972365	2	chr2_102968007	6.16	7.469	0.006277	IL19	IL1RL1
1	chr1_152770521	12	chr12_6928026	0.4181	7.469	0.006278	CD4	LCE1D
1	chr1_152326556	2	chr2_163137683	5.961	7.466	0.006287	FLG2	IFIH1
1	chr1_152326556	2	chr2_163136771	5.961	7.465	0.006289	FLG2	IFIH1
17	chr17_78178182	19	chr19_10812818	0.2043	7.465	0.006291	CARD14	QTRT1



2	chr2_103011024	3	chr3_121647656	4.855	7.465	0.006292	IL18R1	SLC15A2
10	chr10_81058027	11	chr11_128354797	2.56	7.462	0.006302	ETS1	ZMZ1
10	chr10_81056383	12	chr12_6626369	0.8377	7.461	0.006306	NCAPD2	ZMZ1
4	chr4_103635674	16	chr16_11444716	10.09	7.457	0.00632	MANBA	RMI2
2	chr2_102997884	4	chr4_103531882	0.1878	7.454	0.006329	IL18R1	NFKB1
2	chr2_62112220	19	chr19_10108850	0.2265	7.454	0.00633	CCT4	COL5A3
2	chr2_62728046	12	chr12_6562768	0.8699	7.454	0.006331	TAPBPL	TMEM17
4	chr4_103561106	5	chr5_79773169	0.1216	7.453	0.006332	MANBA	ZFYVE16
1	chr1_158815484	4	chr4_103537442	0.2713	7.452	0.006338	MNDA	NFKB1
17	chr17_40481529	17	chr17_78179386	0.3454	7.451	0.006339	CARD14	STAT3
2	chr2_103040177	11	chr11_64003792	7.832	7.451	0.006339	IL18RAP	VEGFB
8	chr8_3432634	10	chr10_101934235	0.08407	7.451	0.00634	CSMD1	ERLIN1
17	chr17_38251430	20	chr20_48566065	8.836	7.446	0.006358	NR1D1	RNF114
1	chr1_207013378	5	chr5_96222183	3.577	7.446	0.006359	ERAP2	IL19
14	chr14_35761675	19	chr19_10104272	1.118	7.443	0.006367	COL5A3	PSMA6
17	chr17_38029120	17	chr17_38073517	0.1611	7.443	0.006367	GSDMB	ZPBP2
14	chr14_35761675	20	chr20_48562189	0.3871	7.443	0.00637	PSMA6	RNF114
2	chr2_103011237	11	chr11_64003792	7.821	7.442	0.006373	IL18R1	VEGFB
5	chr5_158705065	14	chr14_64896783	0.6858	7.442	0.006373	MIR548AZ	UBLCP1
10	chr10_81056383	17	chr17_73997543	9.077	7.441	0.006374	CDK3	ZMZ1
4	chr4_103594938	17	chr17_76425289	4.756	7.44	0.006379	DNAH17	MANBA
3	chr3_101451473	5	chr5_96249323	4.435	7.44	0.00638	CEP97	ERAP2
19	chr19_10099861	19	chr19_10475652	1.955	7.438	0.006385	COL5A3	TYK2
11	chr11_64543820	16	chr16_11444716	0.5043	7.437	0.00639	RMI2	SF1
1	chr1_172633592	2	chr2_102998279	2.388	7.437	0.006391	FASLG	IL18R1
10	chr10_81065046	17	chr17_38173143	0.3016	7.436	0.006393	CSF3	ZMZ1
14	chr14_35761675	16	chr16_31372443	3.261	7.434	0.0064	ITGAX	PSMA6
14	chr14_35761675	16	chr16_11003157	0.439	7.433	0.006405	CIITA	PSMA6
2	chr2_61128164	19	chr19_10472933	0.4599	7.433	0.006405	REL	TYK2
3	chr3_121647656	8	chr8_3611496	4.082	7.431	0.006409	CSMD1	SLC15A2
1	chr1_158987941	19	chr19_49409202	2.181	7.431	0.00641	IFI16	NUCB1
16	chr16_10998482	17	chr17_78178830	0.8935	7.431	0.006411	CARD14	CIITA
1	chr1_158986520	19	chr19_10104154	0.3858	7.43	0.006413	COL5A3	IFI16
6	chr6_111913238	17	chr17_38031714	0.3435	7.426	0.006427	TRAF3IP2	ZPBP2
1	chr1_152760075	19	chr19_10100037	0.3783	7.426	0.00643	COL5A3	LCE1E
2	chr2_102967928	12	chr12_6623942	0.1992	7.426	0.00643	IL1RL1	NCAPD2
2	chr2_163280049	12	chr12_56384687	2.987	7.424	0.006434	KCNH7	RAB5B
16	chr16_11444716	19	chr19_10395776	5.115	7.424	0.006435	ICAM1	RMI2
12	chr12_6495275	19	chr19_49300625	10.65	7.424	0.006438	BCAT2	LTBR
3	chr3_169492105	18	chr18_12978733	0.1399	7.423	0.00644	MYNN	SEH1L
12	chr12_56737245	16	chr16_31122571	0.1727	7.422	0.006445	BCKDK	STAT2
4	chr4_103553090	14	chr14_35780167	3.062	7.421	0.006446	MANBA	PSMA6
4	chr4_103553090	5	chr5_131722917	0.3191	7.421	0.006447	MANBA	SLC22A5
2	chr2_103001485	12	chr12_6495275	0.1719	7.419	0.006453	IL18R1	LTBR
6	chr6_138192761	19	chr19_10467370	6.77	7.419	0.006454	TNFAIP3	TYK2
1	chr1_152326556	2	chr2_163137695	5.927	7.419	0.006455	FLG2	IFIH1
2	chr2_163361222	10	chr10_81058027	0.1677	7.416	0.006464	KCNH7	ZMZ1
3	chr3_45187671	16	chr16_11016110	0.1522	7.416	0.006464	CDCP1	CIITA
2	chr2_102998279	11	chr11_128354978	5.27	7.416	0.006466	ETS1	IL18R1
3	chr3_121658343	5	chr5_96222185	4.744	7.415	0.00647	ERAP2	SLC15A2
17	chr17_40478193	19	chr19_49573245	5.294	7.413	0.006474	KCNA7	STAT3
2	chr2_62728046	3	chr3_121810428	2.588	7.412	0.00648	CD86	TMEM17
1	chr1_158986225	6	chr6_111913219	0.3339	7.409	0.006489	IFI16	TRAF3IP2
1	chr1_159002778	12	chr12_112479891	2.296	7.409	0.006489	IFI16	NAA25
16	chr16_11016173	17	chr17_78178182	0.147	7.404	0.006509	CARD14	CIITA
12	chr12_6174384	16	chr16_31095251	0.04337	7.403	0.006511	PRSS53	VWF
5	chr5_96121715	17	chr17_38079505	3.817	7.403	0.006512	ERAP1	ORMDL3
12	chr12_6636392	17	chr17_40485964	5.174	7.402	0.006513	NCAPD2	STAT3
2	chr2_103040177	3	chr3_169500454	2.634	7.403	0.006513	IL18RAP	MYNN
9	chr9_32630600	12	chr12_56750204	8.883	7.402	0.006515	STAT2	TAF1L
1	chr1_159002778	5	chr5_96508966	2.974	7.402	0.006516	IFI16	RIOK2
4	chr4_103594918	5	chr5_150704781	0.4181	7.4	0.006523	MANBA	SLC36A2
2	chr2_62450631	10	chr10_101934235	1.201	7.399	0.006527	B3GNT2	ERLIN1
1	chr1_159021600	12	chr12_6626369	3.973	7.398	0.006529	IFI16	NCAPD2

5	chr5_150414960	17	chr17_73888354	1.402	7.397	0.006532	TNIP1	TRIM65
12	chr12_56494078	17	chr17_38153473	3.204	7.397	0.006533	ERBB3	PSMD3
1	chr1_207013378	5	chr5_96339273	3.629	7.396	0.006536	IL19	LNPEP
1	chr1_172633592	2	chr2_102968356	2.633	7.396	0.006538	FASLG	IL1RL1
2	chr2_61108996	6	chr6_351163	0.2354	7.395	0.006541	DUSP22	REL
1	chr1_152329369	17	chr17_74170001	2.632	7.394	0.006544	FLG2	RNF157
2	chr2_163369230	19	chr19_53454387	6.479	7.394	0.006545	KCNH7	ZNF816
2	chr2_103040177	3	chr3_121649809	2.904	7.393	0.00655	IL18RAP	SLC15A2
1	chr1_234584446	2	chr2_61239020	2.266	7.392	0.006551	PUS10	TARBP1
2	chr2_163139026	4	chr4_103557251	0.1593	7.391	0.006556	IFIH1	MANBA
2	chr2_62728105	3	chr3_45187671	1.113	7.39	0.006558	CDCP1	TMEM17
1	chr1_234563556	5	chr5_150518177	0.396	7.389	0.006561	ANXA6	TARBP1
11	chr11_65601560	20	chr20_48566065	1.515	7.388	0.006565	RNF114	SNX32
4	chr4_103594918	17	chr17_76425289	4.664	7.388	0.006566	DNAH17	MANBA
2	chr2_102998279	20	chr20_48497562	2.911	7.388	0.006567	IL18R1	SLC9A8
13	chr13_40293499	19	chr19_10475652	4.665	7.385	0.006577	COG6	TYK2
5	chr5_132036031	17	chr17_78166385	8.972	7.382	0.006587	CARD14	KIF3A
2	chr2_62728105	12	chr12_10205522	5.15	7.381	0.006591	CLEC9A	TMEM17
1	chr1_158548836	17	chr17_38024626	10.67	7.38	0.006596	OR10X1	ZBP2
1	chr1_152732436	2	chr2_163302937	3.942	7.38	0.006597	KCNH7	KPRP
11	chr11_65372942	12	chr12_6483463	7.293	7.379	0.006598	MAP3K11	SCNNA1
2	chr2_103011237	12	chr12_6604632	0.1534	7.376	0.006608	IL18R1	NCAPD2
2	chr2_103040182	4	chr4_103531882	0.1894	7.377	0.006608	IL18RAP	NFKB1
2	chr2_163137695	12	chr12_6131085	3.903	7.376	0.006611	IFIH1	VWF
5	chr5_96121183	5	chr5_96222183	1.207	7.376	0.006611	ERAP1	ERAP2
2	chr2_163369202	21	chr21_34876708	0.1157	7.375	0.006615	GART	KCNH7
1	chr1_152732436	14	chr14_35779929	0.2051	7.374	0.006619	KPRP	PSMA6
1	chr1_159023338	5	chr5_96222185	2.929	7.372	0.006623	ERAP2	IFI16
12	chr12_111895203	17	chr17_77753128	10.38	7.372	0.006625	ATXN2	CBX2
2	chr2_103057775	16	chr16_31095204	7.142	7.37	0.006631	IL18RAP	PRSS53
2	chr2_102957348	5	chr5_79770655	8.02	7.37	0.006633	IL1RL1	ZFYVE16
9	chr9_32630600	12	chr12_56744276	8.845	7.368	0.006639	STAT2	TAF1L
1	chr1_207010094	19	chr19_10114033	0.3398	7.368	0.00664	COL5A3	IL19
2	chr2_163136727	17	chr17_40467745	3.721	7.368	0.00664	IFIH1	STAT3
2	chr2_102957348	7	chr7_37252951	0.1792	7.367	0.006643	ELMO1	IL1RL1
1	chr1_152326556	2	chr2_163137871	5.889	7.366	0.006647	FLG2	IFIH1
1	chr1_67666705	17	chr17_78222096	8.404	7.365	0.00665	IL23R	SLC26A11
10	chr10_81056383	19	chr19_49230664	6.407	7.365	0.006652	RASIP1	ZMIZ1
12	chr12_6138592	17	chr17_26084532	3.703	7.362	0.00666	NOS2	VWF
1	chr1_207010411	16	chr16_31095204	10.86	7.362	0.006663	IL19	PRSS53
16	chr16_31437374	18	chr18_12984340	4.489	7.361	0.006664	ITGAD	SEH1L
2	chr2_62728046	12	chr12_10205522	5.138	7.359	0.006673	CLEC9A	TMEM17
3	chr3_101450832	19	chr19_10464687	0.3298	7.359	0.006674	CEP97	TYK2
1	chr1_67155974	19	chr19_10114033	0.2628	7.358	0.006676	COL5A3	SGIP1
12	chr12_6483463	16	chr16_31393090	0.3454	7.357	0.006682	ITGAX	SCNNA1
1	chr1_12249031	6	chr6_138628728	1.996	7.352	0.006697	ARFGEF3	TNFRSF1B
5	chr5_96121069	8	chr8_3432543	2.699	7.35	0.006705	CSMD1	ERAP1
1	chr1_234565787	13	chr13_99966536	0.4821	7.35	0.006707	MIR548AN	TARBP1
1	chr1_207009910	12	chr12_56748421	2.582	7.349	0.006712	IL19	STAT2
3	chr3_102154124	5	chr5_96117300	0.1223	7.348	0.006713	ERAP1	ZPLD1
1	chr1_152283271	2	chr2_102984624	7.115	7.347	0.006717	FLG	IL18R1
2	chr2_62728046	19	chr19_10085062	1.152	7.347	0.006717	COL5A3	TMEM17
1	chr1_158987941	6	chr6_111912800	2.214	7.346	0.006722	IFI16	TRAF3IP2
1	chr1_78601528	2	chr2_61108996	0.04269	7.346	0.006722	GIPC2	REL
1	chr1_234573171	10	chr10_81058144	3.472	7.345	0.006723	TARBP1	ZMIZ1
4	chr4_103594918	19	chr19_49227758	3.446	7.345	0.006723	MANBA	RASIP1
1	chr1_159002778	17	chr17_73515227	2.575	7.343	0.006731	IFI16	TSEN54
2	chr2_163291617	16	chr16_31372344	20.57	7.343	0.006733	ITGAX	KCNH7
20	chr20_48461713	20	chr20_48566065	18.39	7.343	0.006734	RNF114	SLC9A8
17	chr17_78166385	17	chr17_78222237	10.94	7.342	0.006736	CARD14	SLC26A11
2	chr2_102955611	5	chr5_96222183	3.527	7.342	0.006736	ERAP2	IL1RL1
12	chr12_6483463	17	chr17_73723363	0.3124	7.341	0.006739	ITGB4	SCNNA1
2	chr2_103006387	10	chr10_81058027	1.102	7.341	0.006741	IL18R1	ZMIZ1
2	chr2_103120245	19	chr19_10464687	4.538	7.34	0.006745	SLC9A4	TYK2

1	chr1_152326837	12	chr12_6483463	0.09204	7.338	0.00675	FLG2	SCNN1A
12	chr12_6619284	12	chr12_56364898	0.3413	7.337	0.006756	CDK2	NCAPD2
2	chr2_103001485	12	chr12_6500105	0.1758	7.337	0.006756	IL18R1	LTBR
2	chr2_61175204	17	chr17_38173143	3.398	7.335	0.006763	CSF3	PUS10
2	chr2_163291617	5	chr5_96249323	1.177	7.334	0.006764	ERAP2	KCNH7
5	chr5_131729546	12	chr12_6619284	3.437	7.335	0.006764	NCAPD2	SLC22A5
2	chr2_102968211	17	chr17_38024626	0.8774	7.334	0.006766	IL1RL1	ZBPB2
3	chr3_101451473	5	chr5_96232222	4.388	7.333	0.006768	CEP97	ERAP2
2	chr2_103090127	17	chr17_73539671	4.662	7.333	0.006771	LLGL2	SLC9A4
1	chr1_234573171	20	chr20_48599549	0.9092	7.332	0.006773	SNAI1	TARBP1
1	chr1_152770589	2	chr2_62228016	0.169	7.331	0.006776	COMMD1	LCE1D
5	chr5_96249323	16	chr16_31272988	2.462	7.331	0.006777	ERAP2	ITGAM
5	chr5_96139250	5	chr5_150282783	0.1908	7.331	0.006779	ERAP1	ZNF300
5	chr5_158750013	11	chr11_64004561	0.7401	7.329	0.006785	IL12B	VEGFB
1	chr1_152328568	3	chr3_45187671	0.161	7.328	0.006787	CDCP1	FLG2
5	chr5_96121069	17	chr17_78269304	3.895	7.327	0.006792	ERAP1	RNF213
9	chr9_32632431	17	chr17_78166385	7.738	7.327	0.006792	CARD14	TAF1L
6	chr6_111913238	17	chr17_38029120	0.346	7.327	0.006793	TRAF3IP2	ZBPB2
2	chr2_103040182	5	chr5_79770655	8.101	7.326	0.006795	IL18RAP	ZFYVE16
2	chr2_163136727	12	chr12_112479891	0.267	7.326	0.006795	IFIH1	NAA25
1	chr1_234565787	5	chr5_158750013	0.9067	7.326	0.006797	IL12B	TARBP1
10	chr10_89487116	18	chr18_12978733	0.1734	7.326	0.006797	PAPSS2	SEH1L
2	chr2_102997884	5	chr5_79770655	7.971	7.326	0.006798	IL18R1	ZFYVE16
2	chr2_103130373	5	chr5_79768604	0.2449	7.326	0.006798	SLC9A4	ZFYVE16
11	chr11_65423361	17	chr17_40481529	2.781	7.324	0.006803	RELA	STAT3
1	chr1_172634869	12	chr12_6626369	0.1554	7.322	0.00681	FASLG	NCAPD2
17	chr17_40359382	21	chr21_34954851	6.616	7.322	0.006812	DONSON	STAT5B
1	chr1_152323238	17	chr17_40481529	2.772	7.322	0.006813	FLG2	STAT3
5	chr5_150566792	19	chr19_10226273	2.625	7.321	0.006815	CCDC69	EIF3G
1	chr1_152770589	8	chr8_3226856	2.789	7.321	0.006817	CSMD1	LCE1D
10	chr10_75157049	17	chr17_38153473	0.1282	7.32	0.006821	ANXA7	PSMD3
1	chr1_152732436	12	chr12_112479891	2.017	7.319	0.006823	KPRP	NAA25
5	chr5_96124296	12	chr12_56530716	6.187	7.319	0.006823	ERAP1	ESYT1
2	chr2_103040177	19	chr19_10104154	1.168	7.318	0.006827	COL5A3	IL18RAP
2	chr2_102968007	3	chr3_121634344	0.2036	7.318	0.006828	IL1RL1	SLC15A2
11	chr11_9879936	14	chr14_35596323	4.672	7.317	0.006832	KIAA0391	SBF2
1	chr1_234565787	5	chr5_150518177	0.4118	7.315	0.006838	ANXA6	TARBP1
11	chr11_9874234	17	chr17_38063381	4.435	7.314	0.006841	GSDMB	SBF2
2	chr2_103040177	12	chr12_6637054	0.1555	7.313	0.006844	IL18RAP	NCAPD2
2	chr2_163137871	12	chr12_6131085	3.88	7.313	0.006845	IFIH1	VWF
3	chr3_121646806	5	chr5_96124447	1.191	7.313	0.006845	ERAP1	SLC15A2
1	chr1_78024514	5	chr5_96125910	4.394	7.313	0.006848	AK5	ERAP1
1	chr1_67889905	5	chr5_96509055	0.3609	7.312	0.00685	RIOK2	SERBP1
2	chr2_102968356	3	chr3_121634344	0.2038	7.309	0.006862	IL1RL1	SLC15A2
5	chr5_79374582	5	chr5_96124447	10.37	7.309	0.006862	CTD-2201118.1	ERAP1
18	chr18_61649161	19	chr19_10104272	4.681	7.304	0.00688	COL5A3	SERPINB8
4	chr4_103514445	12	chr12_56825260	0.3049	7.303	0.006884	NFKB1	TIMELESS
5	chr5_158705065	14	chr14_64897018	0.6932	7.302	0.006887	MIR548AZ	UBLCP1
1	chr1_152770521	12	chr12_6619022	0.1601	7.301	0.006891	LCE1D	NCAPD2
1	chr1_158987941	2	chr2_103001485	2.349	7.3	0.006894	IFI16	IL18R1
1	chr1_152732436	1	chr1_173155687	0.3904	7.299	0.0069	KPRP	TNFSF4
16	chr16_11363064	20	chr20_48524827	4.582	7.299	0.0069	SPATA2	TNP2
1	chr1_8073450	17	chr17_78178182	5.409	7.298	0.006904	CARD14	ERRFI1
2	chr2_102955683	12	chr12_10205522	0.1596	7.298	0.006905	CLEC9A	IL1RL1
10	chr10_81056383	11	chr11_128354797	4.558	7.296	0.00691	ETS1	ZMIZ1
1	chr1_173155630	16	chr16_10998482	7.067	7.296	0.006911	CIITA	TNFSF4
6	chr6_111912800	19	chr19_10464687	2.433	7.294	0.006918	TRAF3IP2	TYK2
14	chr14_35872926	17	chr17_40498461	0.1751	7.293	0.006921	NFKBIA	STAT3
2	chr2_102641201	19	chr19_10085062	0.8539	7.293	0.006921	COL5A3	IL1R2
10	chr10_101934036	19	chr19_10472933	2.448	7.293	0.006923	ERLIN1	TYK2
17	chr17_40481529	19	chr19_10449501	4.097	7.292	0.006925	ICAM3	STAT3
9	chr9_32634519	12	chr12_6636392	0.05932	7.292	0.006928	NCAPD2	TAF1L
1	chr1_152732436	19	chr19_10100037	0.3884	7.291	0.006929	COL5A3	KPRP
5	chr5_158750013	12	chr12_6959790	3.349	7.29	0.006934	CDCA3	IL12B

1	chr1_234565980	16	chr16_10998482	0.2899	7.29	0.006935	CIITA	TARBP1
16	chr16_10996069	17	chr17_38153554	3.446	7.289	0.006936	CIITA	PSMD3
17	chr17_38033076	17	chr17_78166385	3.045	7.289	0.006936	CARD14	ZBPB2
1	chr1_12387829	1	chr1_158986477	0.05725	7.289	0.006937	IFI16	VPS13D
1	chr1_152770521	4	chr4_103537729	0.1219	7.289	0.006937	LCE1D	NFKB1
1	chr1_234584446	14	chr14_35780154	0.1074	7.289	0.006937	PSMA6	TARBP1
10	chr10_81060474	19	chr19_49230415	4.261	7.288	0.006941	RASIP1	ZMIZ1
5	chr5_96222185	19	chr19_10226273	2.68	7.288	0.006944	EIF3G	ERAP2
3	chr3_17226642	14	chr14_35761592	0.1072	7.287	0.006945	PSMA6	TBC1D5
1	chr1_207009910	19	chr19_10421155	4.031	7.286	0.00695	FDX1L	IL19
1	chr1_152286908	19	chr19_10104272	0.4637	7.286	0.006951	COL5A3	FLG
2	chr2_163291617	17	chr17_26116743	0.1166	7.284	0.006957	KCNH7	NOS2
2	chr2_62728046	10	chr10_101927016	10.47	7.284	0.006958	ERLIN1	TMEM17
2	chr2_163137871	17	chr17_26084296	3.047	7.283	0.00696	IFIH1	NOS2
3	chr3_101574734	19	chr19_10475652	3.56	7.282	0.006964	NFKBIZ	TYK2
1	chr1_8422806	17	chr17_38153473	3.222	7.282	0.006966	PSMD3	RERE
1	chr1_159002778	3	chr3_121613321	5.614	7.28	0.006972	IFI16	SLC15A2
10	chr10_75564556	19	chr19_10464687	3.541	7.28	0.006973	NDST2	TYK2
1	chr1_158987941	17	chr17_26115966	0.3556	7.28	0.006975	IFI16	NOS2
12	chr12_111895149	17	chr17_40481529	5.103	7.28	0.006975	ATXN2	STAT3
2	chr2_62728105	17	chr17_40476759	0.2362	7.28	0.006975	STAT3	TMEM17
2	chr2_103039873	19	chr19_10114795	3.63	7.279	0.006976	COL5A3	IL18RAP
4	chr4_103557219	5	chr5_96118852	1.086	7.279	0.006976	ERAP1	MANBA
1	chr1_152326477	4	chr4_103537442	0.28	7.278	0.006979	FLG2	NFKB1
1	chr1_158986225	10	chr10_90034899	1.108	7.278	0.00698	IFI16	RNLS
1	chr1_7999976	16	chr16_11444716	0.2148	7.278	0.00698	RMI2	TNFRSF9
2	chr2_103130373	18	chr18_12951951	5.208	7.278	0.00698	SEH1L	SLC9A4
2	chr2_102998279	10	chr10_89472846	9.185	7.276	0.006987	IL18R1	PAPSS2
5	chr5_79773169	10	chr10_90034899	0.2131	7.276	0.006987	RNLS	ZFYVE16
3	chr3_121647656	19	chr19_10467367	0.3719	7.276	0.006989	SLC15A2	TYK2
5	chr5_96222183	10	chr10_89501064	0.1987	7.276	0.006989	ERAP2	PAPSS2
14	chr14_35761592	20	chr20_48524827	1.224	7.276	0.00699	PSMA6	SPATA2
3	chr3_169485892	14	chr14_35761675	3.423	7.276	0.00699	ACTRT3	PSMA6
4	chr4_103557251	5	chr5_96339273	1.095	7.275	0.006992	LNPEP	MANBA
2	chr2_103039873	5	chr5_79770655	7.912	7.275	0.006994	IL18RAP	ZFYVE16
12	chr12_6635495	19	chr19_10114033	0.3348	7.274	0.006995	COL5A3	NCAPD2
4	chr4_103594918	5	chr5_150496629	0.323	7.273	0.007001	ANXA6	MANBA
1	chr1_67889571	12	chr12_56825260	3.772	7.272	0.007002	SERBP1	TIMELESS
2	chr2_61391608	12	chr12_6636392	0.2151	7.272	0.007003	C2orf74	NCAPD2
1	chr1_152733376	17	chr17_38062588	23.81	7.272	0.007004	GSDMB	KPRP
1	chr1_152760075	12	chr12_56524333	0.1729	7.272	0.007004	ESYT1	LCE1E
2	chr2_61181162	12	chr12_6626369	0.2125	7.271	0.007008	NCAPD2	PUS10
1	chr1_152732436	1	chr1_234563556	1.102	7.27	0.007011	KPRP	TARBP1
2	chr2_102968362	12	chr12_6623942	0.2024	7.269	0.007014	IL1RL1	NCAPD2
1	chr1_158990412	2	chr2_103125466	0.9166	7.269	0.007015	IFI16	SLC9A4
4	chr4_103527878	17	chr17_38024626	2.239	7.269	0.007015	NFKB1	ZBPB2
2	chr2_103040177	17	chr17_40717855	0.2653	7.267	0.007023	COASY	IL18RAP
5	chr5_96125910	11	chr11_9457738	4.011	7.267	0.007024	ERAP1	IPO7
1	chr1_207014445	2	chr2_102960007	4.843	7.266	0.007028	IL19	IL1RL1
2	chr2_163136771	19	chr19_10753795	6.878	7.264	0.007034	IFIH1	SLC44A2
2	chr2_61108996	14	chr14_35761704	2.86	7.264	0.007034	PSMA6	REL
2	chr2_102641201	9	chr9_32633798	0.2731	7.261	0.007046	IL1R2	TAF1L
1	chr1_152732436	2	chr2_163137804	5.5	7.259	0.007055	IFIH1	KPRP
2	chr2_102967928	11	chr11_128360376	7.219	7.258	0.007059	ETS1	IL1RL1
1	chr1_152770589	16	chr16_31485786	0.2931	7.256	0.007068	LCE1D	TGFB1I1
3	chr3_169485997	19	chr19_10108850	0.1548	7.255	0.00707	ACTRT3	COL5A3
1	chr1_152595565	5	chr5_96121994	0.553	7.253	0.007078	ERAP1	LCE3A
16	chr16_11051783	20	chr20_48524827	3.966	7.253	0.007079	CLEC16A	SPATA2
5	chr5_131825142	17	chr17_78178182	2.316	7.249	0.007093	CARD14	IRF1
1	chr1_67889571	5	chr5_150498991	4.542	7.249	0.007094	ANXA6	SERBP1
3	chr3_121646806	6	chr6_111896798	2.185	7.247	0.007102	SLC15A2	TRAF3IP2-AS1
11	chr11_9802078	19	chr19_10475652	0.2716	7.247	0.007103	SBF2-AS1	TYK2
1	chr1_207010368	10	chr10_81060474	0.2951	7.247	0.007104	IL19	ZMIZ1
1	chr1_152329369	16	chr16_11137825	0.1747	7.246	0.007105	CLEC16A	FLG2

2	chr2_61108996	19	chr19_10668684	3.158	7.246	0.007106	KRI1	REL
2	chr2_163136727	4	chr4_103553090	0.8803	7.245	0.00711	IFIH1	MANBA
1	chr1_152286194	17	chr17_38063381	0.2883	7.245	0.007111	FLG	GSDMB
12	chr12_6861043	12	chr12_56742306	2.745	7.244	0.007113	MLF2	STAT2
1	chr1_152770521	17	chr17_26094816	0.1562	7.242	0.007123	LCE1D	NOS2
1	chr1_206239427	2	chr2_62728046	0.138	7.242	0.007123	C1orf186	TMEM17
11	chr11_9874301	19	chr19_10114033	0.4561	7.241	0.007125	COL5A3	LOC101928008
3	chr3_121646806	5	chr5_96129512	1.194	7.241	0.007126	ERAP1	SLC15A2
2	chr2_61180244	18	chr18_12984340	0.4469	7.241	0.007127	PUS10	SEH1L
2	chr2_102855728	12	chr12_6619284	0.3074	7.239	0.007133	IL1RL2	NCAPD2
11	chr11_9867142	19	chr19_10114033	0.1752	7.238	0.007136	COL5A3	SBF2
1	chr1_67155976	2	chr2_103006387	0.2584	7.238	0.007139	IL18R1	SGIP1
5	chr5_96124447	17	chr17_26105797	3.469	7.237	0.007141	ERAP1	NOS2
5	chr5_150411677	17	chr17_40474382	0.04611	7.236	0.007147	STAT3	TNIP1
2	chr2_102960007	16	chr16_10989630	0.2245	7.235	0.007151	CIITA	IL1RL1
2	chr2_103095494	6	chr6_111887624	0.3473	7.234	0.007152	SLC9A4	TRAF3IP2-AS1
3	chr3_44826223	17	chr17_40716235	0.1815	7.234	0.007153	COASY	KIF15
5	chr5_96118852	17	chr17_26089891	3.685	7.234	0.007155	ERAP1	NOS2
9	chr9_32630600	12	chr12_56733531	8.71	7.232	0.007161	IL23A	TAF1L
2	chr2_103006387	2	chr2_103095494	1.21	7.232	0.007163	IL18R1	SLC9A4
2	chr2_102968007	11	chr11_64003792	7.611	7.231	0.007164	IL1RL1	VEGFB
2	chr2_103006387	12	chr12_56480404	0.1061	7.231	0.007167	ERBB3	IL18R1
4	chr4_103557251	5	chr5_131755717	2.553	7.229	0.007174	C5orf56	MANBA
1	chr1_67889571	17	chr17_26100284	0.4289	7.229	0.007175	NOS2	SERBP1
2	chr2_61390097	5	chr5_96509055	4.047	7.229	0.007175	C2orf74	RIOK2
5	chr5_131811613	12	chr12_6604076	2.331	7.229	0.007175	C5orf56	NCAPD2
1	chr1_152681722	1	chr1_158986477	0.3847	7.228	0.007179	IFI16	LCE4A
1	chr1_67706041	14	chr14_35761592	0.2154	7.227	0.007182	IL23R	PSMA6
12	chr12_6636392	20	chr20_48466074	0.04507	7.224	0.007193	NCAPD2	SLC9A8
2	chr2_103040177	21	chr21_35175117	0.225	7.223	0.007197	IL18RAP	ITSN1
2	chr2_102984624	11	chr11_9838456	0.1436	7.222	0.007202	IL18R1	SBF2
17	chr17_38062191	17	chr17_40716235	1.893	7.222	0.007203	COASY	GSDMB
5	chr5_150566792	19	chr19_49119967	0.261	7.221	0.007204	CCDC69	RPL18
4	chr4_103534560	17	chr17_76425289	3.912	7.219	0.007214	DNAH17	NFKB1
12	chr12_111894976	19	chr19_10108850	0.2952	7.218	0.007217	ATXN2	COL5A3
5	chr5_96132795	16	chr16_11137995	2.673	7.218	0.007217	CLEC16A	ERAP1
9	chr9_32634479	16	chr16_11444716	0.3457	7.217	0.007223	RMI2	TAF1L
1	chr1_159002778	19	chr19_10103709	3.61	7.216	0.007224	COL5A3	IFI16
12	chr12_6495275	22	chr22_22162059	5.059	7.216	0.007224	LTBR	MAPK1
17	chr17_38079482	17	chr17_38173143	0.3846	7.216	0.007226	CSF3	ORMDL3
2	chr2_163291617	6	chr6_138197299	0.3055	7.215	0.007231	KCNH7	TNFAIP3
2	chr2_103006387	4	chr4_103561106	1.163	7.207	0.00726	IL18R1	MANBA
2	chr2_103149248	17	chr17_78171944	4.842	7.208	0.00726	CARD14	SLC9A4
3	chr3_121643931	5	chr5_96222185	2.208	7.207	0.007263	ERAP2	SLC15A2
1	chr1_152759678	20	chr20_48431781	0.149	7.206	0.007265	LCE1E	SLC9A8
1	chr1_152759678	19	chr19_10104272	1.117	7.205	0.007269	COL5A3	LCE1E
3	chr3_121643974	17	chr17_78178830	3.547	7.205	0.007271	CARD14	SLC15A2
5	chr5_96121183	17	chr17_74170001	0.1984	7.205	0.007271	ERAP1	RNF157
2	chr2_102960007	3	chr3_121507383	9.76	7.205	0.007272	IL1RL1	IQCB1
17	chr17_73515172	18	chr18_12978733	3.064	7.204	0.007274	SEH1L	TSEN54
3	chr3_121634540	16	chr16_11444716	0.184	7.202	0.007281	RMI2	SLC15A2
3	chr3_44819654	16	chr16_11444716	6.522	7.202	0.007283	KIF15	RMI2
1	chr1_159002222	5	chr5_96508966	3.112	7.201	0.007288	IFI16	RIOK2
12	chr12_6483851	12	chr12_56527264	24.94	7.2	0.007291	ESYT1	SCNN1A
2	chr2_102998279	12	chr12_56482032	6.906	7.2	0.007291	ERBB3	IL18R1
10	chr10_75857010	17	chr17_78178170	2.242	7.2	0.007292	CARD14	VCL
1	chr1_152770521	18	chr18_61465672	3.544	7.199	0.007293	LCE1D	SERPINB7
2	chr2_103040177	18	chr18_12979041	1.168	7.199	0.007294	IL18RAP	SEH1L
17	chr17_40717000	17	chr17_73871467	7.846	7.199	0.007295	COASY	TRIM47
2	chr2_102968007	11	chr11_128360376	7.161	7.199	0.007295	ETS1	IL1RL1
2	chr2_103090127	3	chr3_121507383	9.52	7.198	0.007299	IQCB1	SLC9A4
1	chr1_152659194	5	chr5_150496924	0.5102	7.196	0.007305	ANXA6	LCE2B
2	chr2_102984624	3	chr3_169500454	2.743	7.196	0.007305	IL18R1	MYNN
2	chr2_102968211	14	chr14_35777191	7.341	7.193	0.007319	IL1RL1	PSMA6

1	chr1_152770521	19	chr19_10421269	7.587	7.192	0.007321	FDX1L	LCE1D
4	chr4_103594938	12	chr12_6619794	2.541	7.192	0.007324	MANBA	NCAPD2
2	chr2_102968362	20	chr20_48599604	4.077	7.191	0.007328	IL1RL1	SNAI1
1	chr1_8073466	17	chr17_38031714	0.2684	7.19	0.007329	ERRFI1	ZBPB2
11	chr11_9878207	19	chr19_49206631	2.147	7.19	0.007333	FUT2	SBF2
12	chr12_6861043	12	chr12_112479891	0.4747	7.189	0.007334	MLF2	NAA25
2	chr2_103006387	17	chr17_40481596	0.5074	7.188	0.007338	IL18R1	STAT3
12	chr12_6174384	16	chr16_31122571	0.04533	7.187	0.007342	BCKDK	VWF
6	chr6_138628672	19	chr19_53454387	8.858	7.187	0.007344	ARFGEF3	ZNF816
16	chr16_31485353	17	chr17_26116896	0.3119	7.187	0.007345	NOS2	TGFB1I1
5	chr5_131811613	12	chr12_6626369	2.355	7.186	0.007347	C5orf56	NCAPD2
18	chr18_12978733	19	chr19_53453735	4.039	7.185	0.007351	SEHLL	ZNF816
2	chr2_103006448	12	chr12_6604632	0.1594	7.185	0.007352	IL18R1	NCAPD2
5	chr5_131671659	17	chr17_40459737	0.331	7.185	0.007352	SLC22A4	STAT5A
12	chr12_6562768	12	chr12_56744276	1.415	7.184	0.007357	STAT2	TAPBPL
4	chr4_104007581	12	chr12_6483463	4.471	7.184	0.007357	BDH2	SCNN1A
1	chr1_159002222	2	chr2_61190047	0.4041	7.183	0.00736	IFI16	PUS10
2	chr2_103040182	12	chr12_6623942	0.1752	7.183	0.007361	IL18RAP	NCAPD2
1	chr1_12082771	19	chr19_10108850	10.8	7.182	0.007364	COL5A3	MIIP
18	chr18_12979041	20	chr20_48562549	7.729	7.179	0.007375	RNF114	SEH1L
1	chr1_152760075	17	chr17_78269304	3.306	7.179	0.007378	LCE1E	RNF213
2	chr2_163137871	12	chr12_112479891	0.271	7.178	0.007381	IFIH1	NAA25
10	chr10_81060474	16	chr16_11003157	0.3921	7.178	0.007382	CIITA	ZMIZ1
5	chr5_131729546	12	chr12_56384687	3.828	7.176	0.007388	RAB5B	SLC22A5
5	chr5_95748197	17	chr17_38153473	0.142	7.176	0.007389	LOC101929710	PSMD3
11	chr11_128426299	19	chr19_53454387	0.04854	7.176	0.00739	ETS1	ZNF816
2	chr2_103149248	12	chr12_6562768	20.59	7.175	0.007392	SLC9A4	TAPBPL
1	chr1_152329369	16	chr16_31272988	2.585	7.174	0.007397	FLG2	ITGAM
4	chr4_103455084	17	chr17_78178182	2.664	7.174	0.007398	CARD14	NFKB1
5	chr5_150444664	17	chr17_78178189	3.774	7.173	0.007402	CARD14	TNIP1
3	chr3_121647656	10	chr10_75564556	3.871	7.169	0.007417	NDST2	SLC15A2
2	chr2_163136771	4	chr4_103553090	0.8779	7.169	0.007418	IFIH1	MANBA
2	chr2_103040945	3	chr3_121507383	9.181	7.168	0.007421	IL18RAP	IQCB1
2	chr2_102984624	5	chr5_79768604	0.3259	7.167	0.007425	IL18R1	ZFYVE16
1	chr1_207013378	5	chr5_96252998	3.765	7.167	0.007427	ERAP2	IL19
1	chr1_234563556	19	chr19_10091356	0.1064	7.166	0.007431	COL5A3	TARBP1
12	chr12_6909419	16	chr16_10998482	5.619	7.165	0.007436	CD4	CIITA
12	chr12_56510705	17	chr17_38029120	3.706	7.164	0.007439	RPL41	ZBPB2
5	chr5_96235958	5	chr5_96509055	2.475	7.164	0.007439	ERAP2	RIOK2
3	chr3_121632018	16	chr16_11444716	4.944	7.164	0.00744	RMI2	SLC15A2
12	chr12_56384687	17	chr17_40490762	4.938	7.163	0.007441	RAB5B	STAT3
5	chr5_96117463	5	chr5_158750013	5.685	7.162	0.007446	ERAP1	IL12B
2	chr2_102960007	12	chr12_111963030	5.088	7.162	0.007448	ATXN2	IL1RL1
5	chr5_96125910	10	chr10_89469017	3.786	7.161	0.007449	ERAP1	PAPSS2
2	chr2_103006387	3	chr3_121507383	9.169	7.16	0.007455	IL18R1	IQCB1
1	chr1_234607104	17	chr17_78093367	0.353	7.156	0.00747	GAA	TARBP1
5	chr5_150441710	12	chr12_6626369	5.159	7.156	0.007472	NCAPD2	TNIP1
16	chr16_31273152	19	chr19_53454387	0.2872	7.156	0.007473	ITGAM	ZNF816
2	chr2_163253471	4	chr4_103594918	0.1991	7.155	0.007475	KCNH7	MANBA
17	chr17_38251343	17	chr17_73871467	9.684	7.154	0.007479	NR1D1	TRIM47
1	chr1_234584446	19	chr19_10091356	0.1066	7.154	0.00748	COL5A3	TARBP1
3	chr3_121810428	5	chr5_96121715	2.609	7.154	0.00748	CD86	ERAP1
2	chr2_102968007	6	chr6_111887624	0.4094	7.152	0.00749	IL1RL1	TRAF3IP2-AS1
1	chr1_152759678	1	chr1_206972442	0.5219	7.15	0.007496	IL19	LCE1E
2	chr2_103040182	6	chr6_111887624	0.3898	7.147	0.007508	IL18RAP	TRAF3IP2-AS1
1	chr1_207010261	17	chr17_40481529	0.1852	7.145	0.007517	IL19	STAT3
5	chr5_96118852	17	chr17_26105797	3.93	7.145	0.007517	ERAP1	NOS2
19	chr19_49540288	20	chr20_48599549	3.563	7.144	0.00752	SNAI1	SNAR-G1
17	chr17_78178189	19	chr19_10812818	0.2077	7.144	0.007522	CARD14	QTRT1
1	chr1_152759678	2	chr2_62228016	0.1819	7.144	0.007523	COMMD1	LCE1E
1	chr1_67793936	2	chr2_103125457	0.1677	7.142	0.007529	IL12RB2	SLC9A4
17	chr17_78166385	21	chr21_34876635	3.796	7.142	0.007529	CARD14	GART
5	chr5_158705065	17	chr17_74075488	0.2809	7.142	0.007529	UBLCP1	ZACN
2	chr2_163134148	17	chr17_38063381	0.105	7.14	0.007538	GSDMB	IFIH1

5	chr5_96232222	10	chr10_75564556	3.548	7.139	0.007541	ERAP2	NDST2
2	chr2_103006448	12	chr12_6928439	10.49	7.139	0.007542	CD4	IL18R1
2	chr2_163137683	12	chr12_112479891	0.268	7.138	0.007546	IFIH1	NAA25
2	chr2_102968007	17	chr17_38024626	0.8815	7.138	0.007548	IL1RL1	ZPBP2
14	chr14_35761675	20	chr20_48562657	0.2673	7.137	0.007552	PSMA6	RNF114
2	chr2_163253471	4	chr4_103594938	0.1996	7.135	0.007558	KCNH7	MANBA
2	chr2_163136771	2	chr2_163374437	0.2436	7.13	0.00758	IFIH1	KCNH7
12	chr12_6604632	19	chr19_49206631	3.399	7.13	0.007581	FUT2	NCAPD2
17	chr17_38028617	18	chr18_12984340	0.1034	7.128	0.007588	SEH1L	ZPBP2
5	chr5_131796312	19	chr19_10104154	5.544	7.128	0.007591	C5orf56	COL5A3
1	chr1_158990412	12	chr12_6959859	7.788	7.126	0.007596	CDCA3	IFI16
5	chr5_96117300	9	chr9_32631356	3.538	7.126	0.007596	ERAP1	TAF1L
1	chr1_67845536	2	chr2_103040945	0.2688	7.126	0.007598	IL12RB2	IL18RAP
5	chr5_95748197	17	chr17_38153554	0.143	7.126	0.007598	LOC101929710	PSMD3
1	chr1_7863119	2	chr2_62728046	4.608	7.125	0.007601	PER3	TMEM17
1	chr1_234582685	16	chr16_11444716	3.44	7.123	0.007608	RMI2	TARBP1
5	chr5_96124296	18	chr18_61652376	8.121	7.123	0.007611	ERAP1	SERPINB8
1	chr1_67838319	20	chr20_48599549	7.711	7.123	0.007612	IL12RB2	SNAI1
1	chr1_152484245	12	chr12_6182753	1.738	7.122	0.007614	LCE5A	VWF
3	chr3_121647656	12	chr12_56748703	0.2217	7.122	0.007616	SLC15A2	STAT2
2	chr2_103006448	18	chr18_12978733	1.167	7.121	0.007617	IL18R1	SEH1L
5	chr5_96237114	11	chr11_9817519	3.924	7.12	0.007621	ERAP2	SBF2-AS1
5	chr5_96339273	17	chr17_40854559	2.35	7.12	0.007621	EZH1	LNPEP
12	chr12_56398776	17	chr17_38173143	0.1298	7.12	0.007624	CSF3	SUOX
6	chr6_138198365	17	chr17_38063381	0.1717	7.119	0.007629	GSDMB	TNFAIP3
4	chr4_103488278	17	chr17_78178170	3.079	7.117	0.007634	CARD14	NFKB1
1	chr1_234563556	16	chr16_31372562	0.1531	7.117	0.007636	ITGAX	TARBP1
4	chr4_103561106	19	chr19_10444602	0.1592	7.117	0.007637	ICAM3	MANBA
3	chr3_101571958	17	chr17_40459737	1.512	7.116	0.007639	NFKBIZ	STAT5A
17	chr17_26116896	17	chr17_78222239	0.3619	7.114	0.00765	NOS2	SLC26A11
1	chr1_67816686	21	chr21_34876708	0.1712	7.113	0.007652	GART	IL12RB2
4	chr4_103534560	5	chr5_132037895	4.42	7.113	0.007652	KIF3A	NFKB1
1	chr1_8074305	19	chr19_10104272	3.315	7.112	0.007657	COL5A3	ERRFI1
2	chr2_102997884	17	chr17_77753128	20.32	7.111	0.007659	CBX2	IL18R1
1	chr1_158987941	17	chr17_26116566	0.1875	7.111	0.007662	IFI16	NOS2
5	chr5_96225009	10	chr10_81060474	7.334	7.11	0.007664	ERAP2	ZMIZ1
1	chr1_152732436	12	chr12_56745105	0.2829	7.11	0.007665	KPRP	STAT2
1	chr1_152326556	2	chr2_163136727	5.72	7.11	0.007667	FLG2	IFIH1
17	chr17_26116743	17	chr17_38029120	0.3957	7.109	0.007669	NOS2	ZPBP2
1	chr1_152681703	2	chr2_61108996	4.603	7.108	0.007673	LCE4A	REL
2	chr2_62733253	6	chr6_111922466	2.471	7.108	0.007673	TMEM17	TRAF3IP2-AS1
1	chr1_152286357	17	chr17_38153554	0.3088	7.107	0.00768	FLG	PSMD3
2	chr2_163361222	10	chr10_81060474	0.1746	7.105	0.007685	KCNH7	ZMIZ1
4	chr4_103514445	12	chr12_6619794	2.729	7.104	0.00769	NCAPD2	NFKB1
1	chr1_234565787	16	chr16_31372562	0.1534	7.104	0.007693	ITGAX	TARBP1
2	chr2_62728105	14	chr14_35872307	1.459	7.102	0.007699	NFKBIA	TMEM17
2	chr2_103090127	5	chr5_150497409	0.1855	7.102	0.0077	ANXA6	SLC9A4
3	chr3_101484257	12	chr12_6483851	8.988	7.101	0.007703	CEP97	SCNN1A
6	chr6_138198365	17	chr17_38029120	0.1721	7.101	0.007704	TNFAIP3	ZPBP2
1	chr1_11805771	12	chr12_6626369	0.1188	7.101	0.007705	AGTRAP	NCAPD2
1	chr1_206239547	2	chr2_102967928	3.181	7.1	0.007707	C1orf186	IL1RL1
2	chr2_62733253	5	chr5_131995833	3.55	7.1	0.007707	IL13	TMEM17
3	chr3_101450689	12	chr12_6604076	2.66	7.1	0.007708	CEP97	NCAPD2
2	chr2_102960007	17	chr17_40854482	4.352	7.1	0.007709	EZH1	IL1RL1
1	chr1_159023338	5	chr5_96125910	2.34	7.098	0.007716	ERAP1	IFI16
5	chr5_96125910	19	chr19_10444602	2.664	7.098	0.007716	ERAP1	ICAM3
2	chr2_102984671	14	chr14_35871287	3.923	7.098	0.007717	IL18R1	NFKBIA
12	chr12_6483851	17	chr17_78117807	0.7834	7.098	0.007719	EIF4A3	SCNN1A
2	chr2_103006448	17	chr17_26125911	0.104	7.097	0.007719	IL18R1	NOS2
17	chr17_73559816	19	chr19_10114033	2.09	7.097	0.00772	COL5A3	LLGL2
4	chr4_103455084	17	chr17_78178189	2.656	7.097	0.007721	CARD14	NFKB1
1	chr1_234582685	4	chr4_103561106	5.158	7.097	0.007722	MANBA	TARBP1
5	chr5_96232222	11	chr11_9817519	3.914	7.096	0.007724	ERAP2	SBF2-AS1
3	chr3_121632036	5	chr5_96252998	0.2379	7.096	0.007725	ERAP2	SLC15A2

1	chr1_12249031	3	chr3_169485997	0.2958	7.096	0.007727	ACTRT3	TNFRSF1B
1	chr1_207014445	2	chr2_103125457	5.47	7.096	0.007727	IL19	SLC9A4
1	chr1_152286908	3	chr3_121647656	0.5496	7.095	0.007773	FLG	SLC15A2
17	chr17_38031714	17	chr17_38073517	0.168	7.095	0.007732	GSDMB	ZBP2
2	chr2_102957348	4	chr4_103531882	0.1955	7.094	0.007734	IL1RL1	NFKB1
2	chr2_103040177	12	chr12_6604632	0.1613	7.093	0.007739	IL18RAP	NCAPD2
12	chr12_6483463	17	chr17_40914660	6.736	7.093	0.00774	RAMP2	SCNN1A
12	chr12_6635276	17	chr17_38029120	0.1956	7.092	0.007741	NCAPD2	ZBP2
1	chr1_12249031	16	chr16_10998701	2.682	7.092	0.007744	CIITA	TNFRSF1B
2	chr2_103040177	21	chr21_34805286	0.1224	7.092	0.007744	IFNGR2	IL18RAP
1	chr1_78024514	5	chr5_96121994	3.596	7.091	0.007747	AK5	ERAP1
1	chr1_158815484	4	chr4_103534560	0.2766	7.091	0.007748	MNDA	NFKB1
12	chr12_6635276	17	chr17_38024626	0.1956	7.09	0.007752	NCAPD2	ZBP2
12	chr12_6500105	18	chr18_61652376	4.872	7.089	0.007755	LTBR	SERPINB8
5	chr5_79374582	18	chr18_12984340	0.1784	7.089	0.007755	CTD-220I18.1	SEH1L
1	chr1_158986477	19	chr19_10081542	1.421	7.089	0.007756	COL5A3	IFI16
3	chr3_121658343	5	chr5_96222183	3.924	7.087	0.007763	ERAP2	SLC15A2
5	chr5_150704781	17	chr17_38173143	0.4618	7.087	0.007764	CSF3	SLC36A2
5	chr5_158705065	17	chr17_40717855	3.006	7.087	0.007764	COASY	UBLCP1
1	chr1_234607104	10	chr10_102240881	0.04723	7.087	0.007766	TARBP1	WNT8B
5	chr5_131671659	6	chr6_138192745	8.705	7.087	0.007766	SLC22A4	TNFAIP3
2	chr2_102955683	19	chr19_10084473	2.507	7.086	0.007768	COL5A3	IL1RL1
2	chr2_61175260	17	chr17_40481529	0.2587	7.085	0.007771	PUS10	STAT3
5	chr5_40269900	5	chr5_96513471	4.008	7.085	0.007772	LINC00603, PTGER4	RIOK2
1	chr1_12082781	17	chr17_38153473	3.588	7.085	0.007775	MIIP	PSMD3
2	chr2_163149965	4	chr4_103553090	0.8734	7.084	0.007778	IFIH1	MANBA
17	chr17_26084532	19	chr19_10421169	6.08	7.082	0.007787	FDX1L	NOS2
1	chr1_12249031	12	chr12_56385238	5.679	7.08	0.007794	RAB5B	TNFRSF1B
5	chr5_96509055	13	chr13_40293984	5.202	7.08	0.007794	COG6	RIOK2
1	chr1_234563556	5	chr5_79741181	8.124	7.08	0.007795	TARBP1	ZFYVE16
2	chr2_163291617	12	chr12_56825260	0.1407	7.08	0.007796	KCNH7	TIMELESS
11	chr11_128359280	17	chr17_73871467	0.3067	7.079	0.007799	ETS1	TRIM47
4	chr4_103557251	17	chr17_76425289	3.867	7.079	0.007801	DNAH17	MANBA
10	chr10_81058027	12	chr12_10251227	0.3469	7.078	0.007804	CLEC1A	ZMIZ1
6	chr6_138198365	17	chr17_38024626	0.1726	7.077	0.007806	TNFAIP3	ZBP2
8	chr8_3263616	12	chr12_6604076	6.069	7.077	0.007806	CSMD1	NCAPD2
5	chr5_96121994	10	chr10_75157049	4.889	7.077	0.007807	ANXA7	ERAP1
6	chr6_111896954	19	chr19_53454387	9.431	7.077	0.007809	TRAF3IP2	ZNF816
20	chr20_48524827	21	chr21_34876813	3.186	7.076	0.007813	GART	SPATA2
2	chr2_62728046	19	chr19_49540044	0.2456	7.075	0.007816	CGB1	TMEM17
5	chr5_150566792	11	chr11_65771097	1.796	7.075	0.007817	BANF1	CCDC69
3	chr3_121774331	14	chr14_35596323	0.0827	7.074	0.007819	CD86	KIAA0391
5	chr5_96121994	5	chr5_131825142	0.452	7.074	0.007823	ERAP1	IRF1
14	chr14_35596323	20	chr20_48467560	1.256	7.073	0.007824	KIAA0391	SLC9A8
5	chr5_96513471	6	chr6_138196798	3.194	7.068	0.007846	RIOK2	TNFAIP3
12	chr12_6635276	17	chr17_38031714	0.1925	7.067	0.00785	NCAPD2	ZBP2
2	chr2_62112220	4	chr4_103514445	0.3434	7.067	0.007852	CCT4	NFKB1
4	chr4_103557219	19	chr19_49693697	1.73	7.064	0.007863	MANBA	TRPM4
1	chr1_234607086	12	chr12_6494299	10.67	7.064	0.007866	LTBR	TARBP1
2	chr2_163137871	4	chr4_103557219	1.136	7.063	0.007868	IFIH1	MANBA
17	chr17_26110007	17	chr17_78180618	0.3054	7.063	0.00787	CARD14	NOS2
2	chr2_102984671	12	chr12_56526164	0.2555	7.061	0.007876	ESYT1	IL18R1
2	chr2_103006448	18	chr18_12978823	4.924	7.061	0.007877	IL18R1	SEH1L
4	chr4_103557219	12	chr12_6131010	3.026	7.061	0.007877	MANBA	VWF
2	chr2_103011237	4	chr4_103531882	0.1864	7.06	0.007883	IL18R1	NFKB1
11	chr11_63974554	19	chr19_10108850	0.2612	7.057	0.007893	COL5A3	FERMT3
11	chr11_9802144	18	chr18_12978733	6.167	7.058	0.007893	SBF2-AS1	SEH1L
1	chr1_152770589	13	chr13_40239296	0.2279	7.057	0.007896	COG6	LCE1D
1	chr1_11917786	19	chr19_53454387	8.889	7.057	0.007897	NPPB	ZNF816
1	chr1_207013378	5	chr5_96117300	4.234	7.057	0.007898	ERAP1	IL19
5	chr5_96124447	21	chr21_36079802	0.4502	7.056	0.007902	CLIC6	ERAP1
10	chr10_81056383	13	chr13_40233478	5.48	7.054	0.007907	COG6	ZMIZ1
16	chr16_31272988	17	chr17_78178182	2.328	7.054	0.007907	CARD14	ITGAM
2	chr2_102632337	17	chr17_78180618	2.57	7.053	0.007915	CARD14	IL1R2



1	chr1_158990412	17	chr17_78346595	0.3127	7.052	0.007919	IFI16	LOC100294362
4	chr4_103514445	12	chr12_6861043	0.9232	7.051	0.00792	MLF2	NFKB1
10	chr10_75136022	16	chr16_31122571	10.83	7.051	0.007922	ANXA7	BCKDK
2	chr2_163361103	5	chr5_96132795	5.892	7.051	0.007922	ERAP1	KCNH7
5	chr5_96139250	5	chr5_96512894	0.3245	7.051	0.007923	ERAP1	RIOK2
1	chr1_172633592	2	chr2_103040177	2.323	7.05	0.007925	FASLG	IL18RAP
2	chr2_102998279	18	chr18_12978823	4.918	7.05	0.007925	IL18R1	SEH1L
1	chr1_159002222	17	chr17_38153711	3.119	7.05	0.007928	IFI16	PSMD3
14	chr14_35596323	17	chr17_40459737	0.8351	7.049	0.007932	KIAA0391	STAT5A
16	chr16_31332719	17	chr17_78178830	0.2562	7.048	0.007935	CARD14	ITGAM
9	chr9_32633310	17	chr17_38173143	0.2593	7.047	0.007942	CSF3	TAF1L
1	chr1_8045100	16	chr16_30938811	6.082	7.045	0.00795	FBXL19	PARK7
2	chr2_163149896	11	chr11_63920076	4.223	7.045	0.007951	IFIH1	MACROD1
12	chr12_112499067	17	chr17_78180618	5.931	7.044	0.007953	CARD14	NAA25
5	chr5_96222185	10	chr10_75564556	3.548	7.043	0.007958	ERAP2	NDST2
1	chr1_234563556	10	chr10_81058144	3.386	7.043	0.007959	TARBP1	ZMIZ1
6	chr6_111896798	19	chr19_10464687	0.6627	7.043	0.007959	TRAF3IP2-AS1	TYK2
1	chr1_159002778	3	chr3_101450832	0.2308	7.041	0.007967	CEP97	IFI16
2	chr2_102968362	17	chr17_38153473	0.8928	7.041	0.007967	IL1RL1	PSMD3
1	chr1_234584446	3	chr3_121646806	0.8213	7.04	0.007969	SLC15A2	TARBP1
12	chr12_56737245	16	chr16_30936081	0.1637	7.04	0.007972	FBXL19	STAT2
1	chr1_152732311	19	chr19_49447713	20.81	7.039	0.007977	DHDH	KPRP
1	chr1_159002778	16	chr16_31332719	0.315	7.038	0.007978	IFI16	ITGAM
4	chr4_103557219	16	chr16_31332719	0.3065	7.038	0.007981	ITGAM	MANBA
5	chr5_131671659	17	chr17_40481529	2.383	7.038	0.007982	SLC22A4	STAT3
4	chr4_103557219	12	chr12_6619794	2.74	7.037	0.007986	MANBA	NCAPD2
5	chr5_158705065	5	chr5_158745889	3.854	7.036	0.007989	IL12B	UBLCP1
2	chr2_60695977	2	chr2_103130373	0.1774	7.035	0.007992	BCL11A	SLC9A4
5	chr5_150566792	17	chr17_78166385	0.8908	7.034	0.007997	CARD14	CCDC69
1	chr1_67292566	12	chr12_6562768	0.2334	7.034	0.007999	TAPBPL	WDR78
17	chr17_38024626	17	chr17_38073517	0.1693	7.033	0.008	GSDMB	ZBP2
1	chr1_207010261	17	chr17_38153473	0.2209	7.032	0.008004	IL19	PSMD3
1	chr1_152484245	2	chr2_103057895	11.63	7.032	0.008008	IL18RAP	LCE5A
1	chr1_152552160	17	chr17_38031714	2.07	7.032	0.008008	LCE3D	ZBP2
1	chr1_158990412	11	chr11_9457785	0.4155	7.032	0.008008	IFI16	IPO7
2	chr2_103095494	12	chr12_56437315	0.06124	7.032	0.008008	RPS26	SLC9A4
1	chr1_67838353	5	chr5_96237114	2.387	7.031	0.00801	ERAP2	IL12RB2
1	chr1_152326819	4	chr4_103514445	4.922	7.03	0.008016	FLG2	NFKB1
5	chr5_96509055	5	chr5_150512128	0.1856	7.029	0.008018	ANXA6	RIOK2
2	chr2_103006448	3	chr3_101574738	8.557	7.028	0.008022	IL18R1	NFKBIZ
4	chr4_103553090	16	chr16_11051783	0.4077	7.028	0.008024	CLEC16A	MANBA
2	chr2_103125457	19	chr19_10479135	0.2408	7.028	0.008026	SLC9A4	TYK2
1	chr1_7910969	1	chr1_158987941	0.3242	7.026	0.008032	IFI16	UTS2
17	chr17_78269173	20	chr20_48524827	0.3384	7.026	0.008032	RNF213	SPATA2
2	chr2_61175305	17	chr17_40459737	4.707	7.026	0.008034	PUS10	STAT5A
5	chr5_96129512	10	chr10_80976056	4.208	7.025	0.008038	ERAP1	ZMIZ1
16	chr16_10998482	17	chr17_38024626	1.13	7.025	0.008039	CIITA	ZBP2
2	chr2_103125338	20	chr20_48599549	0.0628	7.025	0.008039	SLC9A4	SNAI1
1	chr1_152659194	6	chr6_138195723	0.5226	7.024	0.008043	LCE2B	TNFAIP3
2	chr2_103125466	19	chr19_10479135	0.2495	7.022	0.008051	SLC9A4	TYK2
2	chr2_62733253	4	chr4_103516049	2.807	7.02	0.008061	NFKB1	TMEM17
2	chr2_102979175	3	chr3_45187671	0.3989	7.019	0.008067	CDCP1	IL18R1
5	chr5_96119536	20	chr20_48524827	0.5929	7.017	0.008073	ERAP1	SPATA2
12	chr12_56491659	17	chr17_78178182	0.2015	7.017	0.008076	CARD14	ERBB3
4	chr4_103504015	17	chr17_40459737	4.316	7.016	0.008077	NFKB1	STAT5A
2	chr2_103011237	21	chr21_34805286	0.123	7.015	0.008081	IFNGR2	IL18R1
1	chr1_234563556	5	chr5_131728231	0.2364	7.015	0.008082	SLC22A5	TARBP1
1	chr1_8073450	17	chr17_78178170	0.1814	7.014	0.00809	CARD14	ERRFI1
5	chr5_96117300	19	chr19_10100047	2.186	7.013	0.00809	COL5A3	ERAP1
2	chr2_102968211	11	chr11_128360376	6.989	7.013	0.008092	ETS1	IL1RL1
1	chr1_11805813	21	chr21_34876708	3.744	7.012	0.008095	AGTRAP	GART
1	chr1_67648596	17	chr17_78178170	0.8104	7.012	0.008095	CARD14	IL23R
10	chr10_80968433	12	chr12_6636392	6.119	7.012	0.008096	NCAPD2	ZMIZ1
1	chr1_8029420	1	chr1_234563556	4.478	7.012	0.008097	PARK7	TARBP1

12	chr12_6604076	19	chr19_10090708	7.708	7.012	0.008097	COL5A3	NCAPD2
5	chr5_158705065	12	chr12_56398287	2.991	7.011	0.008102	SUOX	UBLCP1
5	chr5_150578618	17	chr17_38153473	3.682	7.01	0.008104	CCDC69	PSMD3
5	chr5_96237114	19	chr19_10112594	2.178	7.01	0.008104	COL5A3	ERAP2
1	chr1_67195074	2	chr2_103130373	3.217	7.01	0.008107	SGIP1	SLC9A4
12	chr12_6562768	17	chr17_40485964	5.199	7.008	0.008113	STAT3	TAPBPL
10	chr10_89469270	12	chr12_6182753	9.748	7.008	0.008116	PAPSS2	VWF
12	chr12_6204763	12	chr12_6483851	3.381	7.005	0.008129	SCNN1A	VWF
12	chr12_6495637	19	chr19_10104272	0.4562	7.004	0.008132	COL5A3	LTBR
3	chr3_101451315	12	chr12_56384687	7.956	7.004	0.008132	CEP97	RAB5B
2	chr2_163136771	17	chr17_78156547	10.09	7.004	0.008133	CARD14	IFIH1
13	chr13_40293469	17	chr17_78178830	2.289	7.003	0.008137	CARD14	COG6
1	chr1_152282465	1	chr1_152732436	0.4111	7.003	0.008139	FLG	KPRP
16	chr16_11016173	17	chr17_78178170	4.862	7.002	0.008142	CARD14	CIITA
5	chr5_96232222	19	chr19_10112594	2.177	7.001	0.008146	COL5A3	ERAP2
2	chr2_102967928	5	chr5_79768604	0.3302	7.001	0.008147	IL1RL1	ZFYVE16
6	chr6_394943	12	chr12_6861043	0.3182	6.999	0.008156	IRF4	MLF2
12	chr12_6167131	12	chr12_6483463	0.4104	6.999	0.008157	SCNN1A	VWF
1	chr1_7912870	16	chr16_31095251	0.6766	6.998	0.008158	PRSS53	UTS2
16	chr16_10992671	17	chr17_78171944	0.4263	6.998	0.00816	CARD14	CIITA
16	chr16_11141179	17	chr17_78178182	0.1649	6.997	0.008165	CARD14	CLEC16A
2	chr2_102644675	5	chr5_96118852	2.824	6.996	0.008167	ERAP1	IL1R2
2	chr2_102968356	11	chr11_9879936	2.624	6.996	0.00817	IL1RL1	SBF2
1	chr1_152681690	17	chr17_40459737	0.2409	6.995	0.008176	LCE4A	STAT5A
1	chr1_67195074	1	chr1_158986225	2.186	6.994	0.008177	IFI16	SGIP1
6	chr6_138195723	9	chr9_32633861	17.51	6.993	0.008182	TAF1L	TNFAIP3
2	chr2_102984671	14	chr14_64896969	0.4621	6.993	0.008184	IL18R1	MIR548AZ
5	chr5_96139250	17	chr17_73997521	0.2696	6.993	0.008184	CDK3	ERAP1
1	chr1_8075575	16	chr16_31095204	0.2393	6.992	0.008188	ERF1	PRSS53
2	chr2_62728046	5	chr5_131647989	2.728	6.99	0.008195	LOC553103	TMEM17
5	chr5_150443005	20	chr20_48599604	3.008	6.99	0.008198	SNAI1	TNIP1
17	chr17_78178189	20	chr20_48497562	2.067	6.99	0.008199	CARD14	SLC9A8
2	chr2_102968356	8	chr8_3205697	0.27	6.988	0.008204	CSMD1	IL1RL1
4	chr4_103594938	5	chr5_150443005	0.9242	6.988	0.008204	MANBA	TNIP1
16	chr16_31230499	19	chr19_10475652	4.48	6.988	0.008207	TRIM72	TYK2
11	chr11_65487827	17	chr17_40481529	3.349	6.985	0.008219	RNASEH2C	STAT3
1	chr1_12249031	12	chr12_111884628	3.859	6.983	0.008229	SH2B3	TNFRSF1B
1	chr1_152681704	16	chr16_11009267	0.1323	6.982	0.008232	CIITA	LCE4A
4	chr4_103594918	5	chr5_150443005	0.9236	6.982	0.008232	MANBA	TNIP1
12	chr12_122720489	14	chr14_35761675	2.32	6.982	0.008234	PSMA6	VPS33A
1	chr1_7879424	18	chr18_12978733	4.666	6.981	0.008238	PER3	SEH1L
10	chr10_80968326	17	chr17_73871467	7.296	6.979	0.008246	TRIM47	ZMIZ1
1	chr1_234573171	19	chr19_10091356	0.1077	6.978	0.00825	COL5A3	TARBP1
4	chr4_103534560	5	chr5_150846896	0.2688	6.977	0.008255	NFKB1	SLC36A1
5	chr5_150444664	17	chr17_78178182	3.495	6.977	0.008257	CARD14	TNIP1
2	chr2_163361222	5	chr5_158750013	0.143	6.976	0.008262	IL12B	KCNH7
1	chr1_152284277	17	chr17_78178830	0.1695	6.975	0.008264	CARD14	FLG
1	chr1_207078379	3	chr3_121647656	2.872	6.975	0.008267	FCMR	SLC15A2
10	chr10_89474665	17	chr17_78180618	0.2533	6.975	0.008267	CARD14	PAPSS2
1	chr1_8074204	2	chr2_62733253	4.572	6.975	0.008268	ERF1	TMEM17
4	chr4_103504015	16	chr16_10998482	0.1882	6.974	0.008268	CIITA	NFKB1
1	chr1_152484245	17	chr17_73888273	0.707	6.974	0.008271	LCE5A	TRIM65
2	chr2_103011237	10	chr10_89472846	8.804	6.974	0.008272	IL18R1	PAPSS2
1	chr1_67889571	3	chr3_44881832	0.2614	6.973	0.008275	KIF15	SERBP1
17	chr17_78180618	21	chr21_34954851	1.158	6.972	0.00828	CARD14	DONSON
1	chr1_159002222	3	chr3_101450832	0.2393	6.971	0.008283	CEP97	IFI16
11	chr11_65601560	12	chr12_56436146	22.15	6.971	0.008283	RPS26	SNX32
5	chr5_96249111	5	chr5_150566792	4.925	6.971	0.008286	CCDC69	ERAP2
5	chr5_150414388	17	chr17_73888354	1.384	6.969	0.008294	TNIP1	TRIM65
17	chr17_26116896	19	chr19_49540044	0.237	6.967	0.008304	CGB1	NOS2
2	chr2_103006448	7	chr7_36927199	7.099	6.967	0.008304	ELMO1	IL18R1
3	chr3_121647656	5	chr5_79374767	4.632	6.966	0.008305	SLC15A2	THBS4
2	chr2_163137683	11	chr11_63920076	3.605	6.965	0.008311	IFIH1	MACROD1
2	chr2_102804354	2	chr2_163149896	0.05442	6.964	0.008317	IFIH1	IL1RL2

16	chr16_11444716	17	chr17_40817512	2.161	6.964	0.008319	RMI2	TUBG2
2	chr2_60695977	2	chr2_103095494	0.1789	6.963	0.00832	BCL11A	SLC9A4
5	chr5_96129512	17	chr17_38079505	3.585	6.963	0.008322	ERAP1	ORMDL3
2	chr2_163137695	2	chr2_163374437	0.2499	6.963	0.008323	IFIH1	KCNH7
2	chr2_61128196	2	chr2_103090127	0.05713	6.962	0.008324	REL	SLC9A4
1	chr1_152671505	2	chr2_103040177	5.913	6.962	0.008325	IL18RAP	LCE2A
5	chr5_96121715	5	chr5_150282783	0.2217	6.961	0.008329	ERAP1	ZNF300
5	chr5_96112272	17	chr17_73888354	2.6	6.961	0.00833	ERAP1	TRIM65
5	chr5_96232222	17	chr17_26110215	2.846	6.961	0.00833	ERAP2	NOS2
12	chr12_56481494	14	chr14_35761675	0.3523	6.961	0.008332	ERBB3	PSMA6
2	chr2_102968007	12	chr12_6155986	6.485	6.961	0.008332	IL1RL1	VWF
9	chr9_32630600	19	chr19_10114033	0.5142	6.96	0.008335	COL5A3	TAF1L
2	chr2_103011237	12	chr12_6637054	0.1629	6.96	0.008336	IL18R1	NCAPD2
2	chr2_102968211	8	chr8_3205697	0.2792	6.959	0.008338	CSMD1	IL1RL1
1	chr1_152282280	19	chr19_10114033	0.1561	6.959	0.008341	COL5A3	FLG
2	chr2_103040945	8	chr8_3265671	4.728	6.958	0.008344	CSMD1	IL18RAP
2	chr2_61391608	12	chr12_6562768	0.2247	6.957	0.00835	C2orf74	TAPBPL
12	chr12_6959859	16	chr16_31122571	12.41	6.956	0.008354	BCKDK	CDCA3
1	chr1_12082631	19	chr19_10464687	3.01	6.955	0.008357	MIIP	TYK2
1	chr1_67889571	13	chr13_40253646	0.2445	6.955	0.008357	COG6	SERBP1
5	chr5_150566792	16	chr16_31332665	0.1848	6.955	0.008357	CCDC69	ITGAM
1	chr1_12249031	2	chr2_61190047	2.807	6.955	0.008361	PUS10	TNFRSF1B
5	chr5_96513471	5	chr5_132034936	0.4081	6.954	0.008363	KIF3A	RIOK2
11	chr11_65422853	19	chr19_10462323	2.009	6.954	0.008364	RELA	TYK2
12	chr12_6562768	12	chr12_56750204	1.426	6.954	0.008365	STAT2	TAPBPL
17	chr17_73752557	19	chr19_49206631	0.2987	6.953	0.008366	FUT2	ITGB4
2	chr2_103040182	19	chr19_49671451	3.017	6.953	0.008367	IL18RAP	TRPM4
6	chr6_138192761	17	chr17_26094735	9.842	6.952	0.008371	NOS2	TNFAIP3
2	chr2_102967928	3	chr3_121634344	0.1906	6.951	0.008375	IL1RL1	SLC15A2
2	chr2_102968211	17	chr17_38153554	0.8913	6.951	0.008378	IL1RL1	PSMD3
1	chr1_152286999	16	chr16_10998482	0.2215	6.951	0.008379	CIITA	FLG
3	chr3_121810428	5	chr5_96222185	2.409	6.95	0.008383	CD86	ERAP2
16	chr16_11444716	17	chr17_26125933	3.697	6.949	0.008386	NOS2	RMI2
1	chr1_207009910	17	chr17_40481596	0.4895	6.949	0.008387	IL19	STAT3
1	chr1_158990412	12	chr12_6464958	0.3505	6.949	0.008388	IFI16	SCNN1A
3	chr3_121647253	5	chr5_150566792	5.86	6.948	0.008389	CCDC69	SLC15A2
5	chr5_96129512	10	chr10_75157049	5.398	6.948	0.008391	ANXA7	ERAP1
6	chr6_138638331	10	chr10_81056383	8.826	6.947	0.008396	ARFGEF3	ZMIZ1
1	chr1_158986225	16	chr16_11003860	0.1809	6.944	0.008409	CIITA	IFI16
17	chr17_38251343	17	chr17_73888354	9.393	6.944	0.008409	NR1D1	TRIM65
12	chr12_56384687	13	chr13_40325121	8.695	6.944	0.00841	COG6	RAB5B
12	chr12_56737245	18	chr18_12978733	0.231	6.944	0.008412	SEHL	STAT2
5	chr5_96509055	11	chr11_128426299	4.097	6.944	0.008412	ETS1	RIOK2
1	chr1_158990274	17	chr17_38031714	0.1657	6.943	0.008413	IFI16	ZBP2
1	chr1_67195074	2	chr2_103095494	3.09	6.943	0.008413	SGIP1	SLC9A4
7	chr7_37251085	10	chr10_101934235	3.057	6.943	0.008416	ELMO1	ERLIN1
14	chr14_35761796	17	chr17_26116896	0.1656	6.942	0.008417	NOS2	PSMA6
1	chr1_158990412	19	chr19_53357108	0.7036	6.942	0.008418	IFI16	ZNF468
2	chr2_102984140	5	chr5_96139250	4.897	6.942	0.008421	ERAP1	IL18R1
10	chr10_81060474	16	chr16_31098107	0.6655	6.941	0.008422	PRSS53	ZMIZ1
10	chr10_101927016	12	chr12_6861043	4.529	6.94	0.008428	ERLIN1	MLF2
1	chr1_67666600	4	chr4_103553090	4.412	6.94	0.008429	IL23R	MANBA
16	chr16_11002982	17	chr17_26116896	0.3349	6.94	0.008429	CIITA	NOS2
6	chr6_138628800	10	chr10_81058027	0.3972	6.94	0.00843	ARFGEF3	ZMIZ1
2	chr2_163291617	6	chr6_395246	3.45	6.938	0.008438	IRF4	KCNH7
16	chr16_11141179	17	chr17_78178170	5.814	6.938	0.00844	CARD14	CLEC16A
1	chr1_152760075	8	chr8_3226856	2.772	6.937	0.008441	CSMD1	LCE1E
1	chr1_152759678	12	chr12_6928026	0.4637	6.937	0.008442	CD4	LCE1E
5	chr5_132046808	17	chr17_73888354	0.1992	6.937	0.008442	KIF3A	TRIM65
3	chr3_121646666	17	chr17_78178189	4.503	6.937	0.008443	CARD14	SLC15A2
2	chr2_61128196	2	chr2_103040945	0.05744	6.937	0.008445	IL18RAP	REL
2	chr2_102984624	11	chr11_64003792	7.313	6.936	0.008448	IL18R1	VEGFB
1	chr1_67633930	1	chr1_152759678	1.902	6.935	0.008452	IL23R	LCE1E
2	chr2_61128200	16	chr16_11009267	5.547	6.934	0.008455	CIITA	REL

1	chr1_234565787	19	chr19_10091356	0.1085	6.934	0.008457	COL5A3	TARBP1
5	chr5_96121069	19	chr19_10465304	3.533	6.934	0.008459	ERAP1	TYK2
1	chr1_172633592	2	chr2_103039873	2.849	6.933	0.008461	FASLG	IL18RAP
2	chr2_102984671	19	chr19_10102749	7.535	6.933	0.008462	COL5A3	IL18R1
2	chr2_102998279	12	chr12_6604632	0.1644	6.932	0.008467	IL18R1	NCAPD2
5	chr5_150414516	19	chr19_10104154	0.207	6.932	0.008468	COL5A3	TNIP1
10	chr10_81058027	16	chr16_30938811	0.841	6.931	0.008471	FBXL19	ZMIZ1
1	chr1_159002222	2	chr2_60689430	0.4086	6.93	0.008476	BCL11A	IFI16
1	chr1_234573171	14	chr14_35780154	0.1132	6.93	0.008476	PSMA6	TARBP1
5	chr5_150566792	16	chr16_11066958	2.495	6.928	0.008486	CCDC69	CLEC16A
2	chr2_62728105	5	chr5_79730041	0.3103	6.927	0.00849	TMEM17	ZFYVE16
17	chr17_40481529	19	chr19_49447806	0.3704	6.926	0.008494	DHDH	STAT3
2	chr2_103125466	17	chr17_40854650	2.975	6.926	0.008497	EZH1	SLC9A4
2	chr2_103006387	17	chr17_38153820	0.2803	6.925	0.0085	IL18R1	PSMD3
1	chr1_67633930	5	chr5_96124447	0.5174	6.924	0.008504	ERAP1	IL23R
2	chr2_62728046	9	chr9_32631110	0.2438	6.924	0.008507	TAF1L	TMEM17
1	chr1_12249031	5	chr5_131728338	4.472	6.923	0.008508	SLC22A5	TNFRSF1B
1	chr1_8073466	17	chr17_38063381	0.2761	6.923	0.008508	ERRFI1	GSDMB
11	chr11_128350126	17	chr17_38173143	0.3799	6.923	0.008508	CSF3	ETS1
5	chr5_96222185	11	chr11_9817519	4.451	6.923	0.00851	ERAP2	SBF2-AS1
2	chr2_62728105	17	chr17_78093192	2.859	6.923	0.008511	GAA	TMEM17
3	chr3_121634179	17	chr17_40459737	0.2267	6.922	0.008513	SLC15A2	STAT5A
1	chr1_152732436	1	chr1_206972442	0.5394	6.922	0.008514	IL19	KPRP
2	chr2_103006448	4	chr4_103531882	0.2086	6.922	0.008514	IL18R1	NFKB1
13	chr13_40253646	17	chr17_78171944	4.716	6.921	0.00852	CARD14	COG6
2	chr2_103121779	5	chr5_96222183	2.222	6.921	0.008521	ERAP2	SLC9A4
5	chr5_96509055	11	chr11_9879877	0.4117	6.92	0.008522	RIOK2	SBF2
5	chr5_96232222	6	chr6_138539306	2.226	6.919	0.008528	ERAP2	PBOV1
12	chr12_6562768	20	chr20_48466074	0.04802	6.916	0.008543	SLC9A8	TAPBPL
6	chr6_138539204	12	chr12_6604076	3.553	6.916	0.008543	NCAPD2	PBOV1
2	chr2_103011237	18	chr18_12978733	1.161	6.914	0.008551	IL18R1	SEH1L
5	chr5_96509055	12	chr12_111923245	2.023	6.914	0.008553	ATXN2	RIOK2
2	chr2_102960007	6	chr6_111922426	0.3861	6.914	0.008554	IL1RL1	TRAF3IP2-AS1
2	chr2_102998279	3	chr3_101446352	6.663	6.913	0.008556	CEP97	IL18R1
1	chr1_152329369	19	chr19_49656408	0.0558	6.913	0.008559	FLG2	HRC
2	chr2_102968362	12	chr12_111895253	0.3187	6.912	0.00856	ATXN2	IL1RL1
3	chr3_121647656	10	chr10_101934235	1.192	6.912	0.008563	ERLIN1	SLC15A2
10	chr10_81056383	10	chr10_102051052	8.98	6.911	0.008565	PKD2L1	ZMIZ1
17	chr17_40481641	19	chr19_10104154	2.369	6.911	0.008566	COL5A3	STAT3
10	chr10_81060474	11	chr11_63919999	5.067	6.911	0.008568	MACROD1	ZMIZ1
1	chr1_67666705	1	chr1_207078420	0.208	6.91	0.008571	FCMR	IL23R
3	chr3_121647656	12	chr12_56744010	0.4066	6.91	0.008573	SLC15A2	STAT2
12	chr12_56531418	17	chr17_78178182	0.2257	6.909	0.008577	CARD14	ESYT1
2	chr2_103006448	17	chr17_38063381	0.8834	6.908	0.008581	GSDMB	IL18R1
2	chr2_163149965	12	chr12_112479891	0.2743	6.908	0.008581	IFIH1	NAA25
4	chr4_103534560	6	chr6_111887624	1.901	6.908	0.008582	NFKB1	TRAF3IP2-AS1
12	chr12_56384687	16	chr16_31309217	8.103	6.907	0.008585	ITGAM	RAB5B
2	chr2_102641201	4	chr4_103488165	0.106	6.907	0.008586	IL1R2	NFKB1
12	chr12_6861043	17	chr17_38153712	0.512	6.907	0.008587	MLF2	PSMD3
2	chr2_102955683	19	chr19_49230183	7.455	6.906	0.008589	IL1RL1	RASIP1
12	chr12_6161963	12	chr12_6500105	5.256	6.906	0.008591	LTBR	VWF
5	chr5_96139250	12	chr12_6131085	0.3551	6.906	0.008591	ERAP1	VWF
1	chr1_152770589	3	chr3_169492034	0.4157	6.904	0.0086	LCE1D	MYNN
2	chr2_163137695	11	chr11_63920076	3.583	6.901	0.008614	IFIH1	MACROD1
1	chr1_8073466	17	chr17_38029120	0.2767	6.901	0.008617	ERRFI1	ZBP2
12	chr12_56737245	16	chr16_31095251	0.1917	6.9	0.00862	PRSS53	STAT2
12	chr12_56531486	19	chr19_10464687	0.2565	6.899	0.008622	ESYT1	TYK2
2	chr2_102997884	6	chr6_138628488	0.286	6.9	0.008622	ARFGEF3	IL18R1
16	chr16_11016173	17	chr17_78178830	4.805	6.899	0.008624	CARD14	CIITA
2	chr2_103125466	4	chr4_103635614	0.2443	6.899	0.008625	MANBA	SLC9A4
3	chr3_169642633	12	chr12_6619284	5.884	6.899	0.008626	NCAPD2	SAMD7
4	chr4_103571832	18	chr18_12978733	5.626	6.898	0.008629	MANBA	SEH1L
5	chr5_96121069	5	chr5_96512894	0.2769	6.897	0.008632	ERAP1	RIOK2
14	chr14_36147186	16	chr16_11444716	4.848	6.896	0.008637	RALGAPA1	RMI2

5	chr5_96121183	13	chr13_40273655	6.761	6.896	0.008638	COG6	ERAP1
2	chr2_102998279	4	chr4_103531882	0.2093	6.896	0.008639	IL18R1	NFKB1
5	chr5_150415299	6	chr6_138192761	9.198	6.895	0.008643	TNFAIP3	TNIP1
2	chr2_62450631	14	chr14_64548124	3.973	6.895	0.008644	B3GNT2	MIR548AZ
16	chr16_11444716	16	chr16_31429580	2.206	6.894	0.008647	ITGAD	RM12
2	chr2_103006448	12	chr12_6637054	0.1523	6.894	0.00865	IL18R1	NCAPD2
1	chr1_158990412	5	chr5_131825142	2.135	6.893	0.008651	IFI16	IRF1
11	chr11_64543820	16	chr16_31122571	0.2817	6.892	0.008656	BCKDK	SF1
4	chr4_103557219	19	chr19_10096595	0.2397	6.892	0.008658	COL5A3	MANBA
1	chr1_207010261	17	chr17_38153554	0.1864	6.892	0.008659	IL19	PSMD3
14	chr14_35782244	19	chr19_10472933	0.3759	6.892	0.00866	PSMA6	TYK2
6	chr6_491316	17	chr17_78180618	2.467	6.891	0.008664	CARD14	EXOC2
1	chr1_158990274	17	chr17_38029120	0.1668	6.89	0.008666	IFI16	ZBPB2
2	chr2_102968007	12	chr12_111894968	0.2209	6.89	0.008666	ATXN2	IL1RL1
5	chr5_150496853	16	chr16_30938811	1.374	6.89	0.008666	ANXA6	FBXL19
5	chr5_150704781	17	chr17_38153473	0.4744	6.89	0.008668	PSMD3	SLC36A2
5	chr5_150566792	16	chr16_31485786	2.922	6.889	0.008671	CCDC69	TGFB1I1
2	chr2_103039873	10	chr10_89472846	12.25	6.888	0.008678	IL18RAP	PAPSS2
17	chr17_38073414	17	chr17_78178189	2.505	6.888	0.008679	CARD14	GSDMB
2	chr2_102967928	3	chr3_101576136	0.3617	6.888	0.00868	IL1RL1	NFKBIZ
1	chr1_158987941	5	chr5_132034799	4.511	6.887	0.008684	IFI16	KIF3A
5	chr5_96124296	17	chr17_40476847	0.06612	6.887	0.008685	ERAP1	STAT3
1	chr1_206942085	12	chr12_6861043	2.864	6.886	0.008687	IL10	MLF2
2	chr2_102955683	6	chr6_111922426	0.3942	6.886	0.008687	IL1RL1	TRAF3IP2-AS1
2	chr2_102968007	8	chr8_3205697	0.2795	6.885	0.00869	CSMD1	IL1RL1
16	chr16_31421719	17	chr17_78178189	0.1489	6.885	0.008692	CARD14	ITGAD
1	chr1_207009910	19	chr19_49119796	4.057	6.885	0.008693	IL19	RPL18
5	chr5_96252998	19	chr19_10090574	0.1509	6.885	0.008694	COL5A3	ERAP2
2	chr2_62728046	19	chr19_10248318	4.988	6.883	0.008701	DNMT1	TMEM17
1	chr1_158990274	17	chr17_38024626	0.167	6.882	0.008707	IFI16	ZBPB2
11	chr11_9983631	17	chr17_40459737	0.4572	6.882	0.008707	SBF2	STAT5A
19	chr19_49540013	21	chr21_34954851	5.863	6.882	0.008707	CGB1	DONSON
1	chr1_12254900	2	chr2_103006387	2.86	6.881	0.008712	IL18R1	TNFRSF1B
1	chr1_234563556	12	chr12_56336054	2.789	6.881	0.008713	DGKA	TARBP1
1	chr1_158986225	3	chr3_121810654	0.4053	6.879	0.008719	CD86	IFI16
1	chr1_234584446	5	chr5_150411872	0.2902	6.879	0.008723	TARBP1	TNIP1
17	chr17_73759653	19	chr19_10464687	0.2745	6.879	0.008724	GALK1	TYK2
2	chr2_103125466	12	chr12_112471183	0.3504	6.878	0.008728	NAA25	SLC9A4
18	chr18_12978733	20	chr20_48562549	7.421	6.877	0.008731	RNF114	SEH1L
1	chr1_8073672	1	chr1_158990412	0.2073	6.877	0.008732	ERRF1	IFI16
3	chr3_121646666	17	chr17_78178182	4.281	6.877	0.008732	CARD14	SLC15A2
4	chr4_103571726	5	chr5_96125910	0.1175	6.877	0.008733	ERAP1	MANBA
2	chr2_103006448	21	chr21_34805286	0.1236	6.876	0.008736	IFNGR2	IL18R1
1	chr1_159002778	1	chr1_234608381	0.731	6.876	0.008737	IFI16	TARBP1
2	chr2_103090127	12	chr12_6635411	0.3891	6.876	0.008737	NCAPD2	SLC9A4
1	chr1_158986477	5	chr5_150497409	0.2214	6.875	0.008739	ANXA6	IFI16
1	chr1_11732033	20	chr20_48599549	0.5106	6.873	0.008748	FBXO6	SNAI1
5	chr5_96509055	11	chr11_9838475	0.4835	6.874	0.008748	RIOK2	SBF2
2	chr2_102641201	4	chr4_103504011	2.949	6.873	0.008751	IL1R2	NFKB1
2	chr2_103011237	17	chr17_40717855	0.2828	6.873	0.008753	COASY	IL18R1
5	chr5_150443005	19	chr19_10100192	3.924	6.872	0.008757	COL5A3	TNIP1
11	chr11_65373194	20	chr20_48599549	5.248	6.871	0.00876	MAP3K11	SNAI1
2	chr2_103011237	10	chr10_75143440	7.415	6.871	0.008762	ANXA7	IL18R1
14	chr14_35778161	19	chr19_10114033	0.1965	6.87	0.008768	COL5A3	PSMA6
2	chr2_163136727	17	chr17_40716235	1.134	6.869	0.00877	COASY	IFIH1
12	chr12_6562768	17	chr17_40717317	0.1721	6.869	0.008771	COASY	TAPBP1
14	chr14_35761675	16	chr16_10998482	0.8969	6.869	0.008772	CIITA	PSMA6
14	chr14_35761675	19	chr19_49119894	0.742	6.868	0.008774	PSMA6	RPL18
5	chr5_96121069	20	chr20_48558119	0.2135	6.867	0.008778	ERAP1	RNF114
17	chr17_26116743	17	chr17_38063381	0.4016	6.867	0.008779	GSDMB	NOS2
1	chr1_152286357	2	chr2_163149896	0.1361	6.867	0.008783	FLG	IFIH1
2	chr2_61181222	11	chr11_65601560	9.436	6.865	0.00879	PUS10	SNX32
2	chr2_62728046	19	chr19_10264986	0.166	6.863	0.008802	DNMT1	TMEM17
2	chr2_61190024	17	chr17_40481529	4.857	6.862	0.008804	PUS10	STAT3

5	chr5_150443005	16	chr16_11016073	5.633	6.862	0.008804	CIITA	TNIP1
4	chr4_103537442	5	chr5_131811613	2.219	6.861	0.00881	C5orf56	NFKB1
1	chr1_67666600	12	chr12_6500105	7.92	6.86	0.008815	IL23R	LTBR
2	chr2_102967928	8	chr8_3205697	0.2821	6.86	0.008815	CSMD1	IL1RL1
17	chr17_40476822	20	chr20_48522585	4.316	6.86	0.008816	SPATA2	STAT3
1	chr1_159002222	6	chr6_111913219	0.3743	6.858	0.008826	IFI16	TRAF3IP2
1	chr1_234584446	10	chr10_81058144	3.199	6.857	0.008829	TARBP1	ZMIZ1
12	chr12_56528084	17	chr17_78178182	0.2043	6.857	0.00883	CARD14	ESYT1
1	chr1_159002510	12	chr12_56744422	0.1755	6.856	0.008832	IFI16	STAT2
12	chr12_56744988	17	chr17_40716235	0.2531	6.857	0.008832	COASY	STAT2
1	chr1_67648596	2	chr2_103039887	20.97	6.855	0.008841	IL18RAP	IL23R
2	chr2_62733253	12	chr12_122750974	3.394	6.854	0.008842	TMEM17	VPS33A
1	chr1_152329369	11	chr11_65793700	0.1631	6.854	0.008843	CATSPER1	FLG2
5	chr5_131722766	19	chr19_10472933	4.845	6.854	0.008843	SLC22A5	TYK2
5	chr5_79745499	19	chr19_10085062	3.051	6.853	0.008851	COL5A3	ZFYVE16
2	chr2_102967928	17	chr17_38173143	0.8923	6.852	0.008853	CSF3	IL1RL1
5	chr5_96252998	16	chr16_31424290	2.285	6.852	0.008853	ERAP2	ITGAD
5	chr5_132034799	5	chr5_150566792	0.2547	6.852	0.008854	CCDC69	KIF3A
12	chr12_56510705	17	chr17_38024626	3.601	6.85	0.008862	RPL41	ZBPB2
12	chr12_6604076	19	chr19_49422412	3.022	6.85	0.008863	NCAPD2	NUCB1
1	chr1_152329369	2	chr2_61145746	4.309	6.85	0.008866	FLG2	REL
2	chr2_102997884	5	chr5_79768604	0.2737	6.849	0.00887	IL18R1	ZFYVE16
2	chr2_103149248	12	chr12_6636392	10.03	6.849	0.00887	NCAPD2	SLC9A4
2	chr2_162875478	17	chr17_38173143	2.222	6.849	0.008871	CSF3	DPP4
4	chr4_103585987	17	chr17_26116896	0.1454	6.844	0.008895	MANBA	NOS2
4	chr4_103534560	17	chr17_78093367	0.5085	6.844	0.008896	GAA	NFKB1
16	chr16_31405462	19	chr19_10475652	0.1594	6.843	0.008899	ITGAD	TYK2
1	chr1_206944791	5	chr5_96121994	0.172	6.843	0.008901	ERAP1	IL10
1	chr1_158990412	7	chr7_37298982	0.3371	6.841	0.00891	ELMO1	IFI16
5	chr5_96509055	16	chr16_11154878	0.2356	6.841	0.00891	CLEC16A	RIOK2
5	chr5_96121183	17	chr17_40497728	9.957	6.84	0.008915	ERAP1	STAT3
5	chr5_96339273	19	chr19_10460737	0.1382	6.838	0.008922	LNPEP	TYK2
5	chr5_96252998	16	chr16_31196070	0.2853	6.838	0.008924	ERAP2	FUS
5	chr5_96124447	5	chr5_150282783	0.2012	6.838	0.008925	ERAP1	ZNF300
2	chr2_163137871	11	chr11_63920076	3.562	6.836	0.008933	IFIH1	MACROD1
2	chr2_62728105	17	chr17_73723374	3.667	6.836	0.008936	ITGB4	TMEM17
1	chr1_207110488	5	chr5_96513471	5.703	6.835	0.008937	PIGR	RIOK2
3	chr3_101451586	4	chr4_103534560	0.3282	6.835	0.008938	CEP97	NFKB1
2	chr2_163137683	3	chr3_101576397	11.23	6.835	0.008941	IFIH1	NFKBIZ
4	chr4_103534560	12	chr12_6483662	4.233	6.834	0.008942	NFKB1	SCNN1A
2	chr2_103125466	19	chr19_49230183	7.602	6.834	0.008943	RASIP1	SLC9A4
5	chr5_150496853	11	chr11_64543820	2.88	6.834	0.008943	ANXA6	SF1
1	chr1_8422806	17	chr17_38173143	3.368	6.834	0.008945	CSF3	RERE
1	chr1_152732251	14	chr14_35596323	16.72	6.834	0.008946	KIAA0391	KPRP
14	chr14_35871014	19	chr19_10104154	0.1752	6.833	0.008949	COL5A3	NFKBIA
4	chr4_103553090	12	chr12_6131010	0.3519	6.833	0.008949	MANBA	VWF
11	chr11_66083256	12	chr12_56384687	3.754	6.832	0.008952	CD248	RAB5B
2	chr2_103006448	2	chr2_103136485	2.946	6.831	0.008956	IL18R1	SLC9A4
3	chr3_121810428	5	chr5_96124447	2.373	6.831	0.008959	CD86	ERAP1
1	chr1_152732436	4	chr4_103537729	0.2021	6.831	0.008961	KPRP	NFKB1
2	chr2_102984671	5	chr5_79374767	3.986	6.83	0.008963	IL18R1	THBS4
5	chr5_96139250	17	chr17_78175799	0.1392	6.83	0.008963	CARD14	ERAP1
1	chr1_159002778	12	chr12_56398626	1.928	6.829	0.00897	IFI16	SUOX
2	chr2_102984624	4	chr4_103635674	0.1879	6.829	0.00897	IL18R1	MANBA
12	chr12_56740266	19	chr19_10114033	2.08	6.828	0.008972	COL5A3	STAT2
10	chr10_81060474	17	chr17_38153833	0.1854	6.827	0.008977	PSMD3	ZMIZ1
2	chr2_103125466	12	chr12_6636116	0.4047	6.827	0.008979	NCAPD2	SLC9A4
1	chr1_234565787	5	chr5_131728231	0.2584	6.827	0.00898	SLC22A5	TARBP1
1	chr1_67648596	16	chr16_31332628	17.39	6.826	0.008983	IL23R	ITGAM
1	chr1_8424744	5	chr5_96249323	2.871	6.826	0.008983	ERAP2	RERE
1	chr1_206945718	5	chr5_150566792	0.3539	6.826	0.008984	CCDC69	IL10
5	chr5_96121994	5	chr5_150282783	0.225	6.826	0.008984	ERAP1	ZNF300
5	chr5_150566792	19	chr19_10081260	3.088	6.826	0.008986	CCDC69	COL5A3
1	chr1_207009910	17	chr17_78172455	3.839	6.825	0.008987	CARD14	IL19

1	chr1_234563154	2	chr2_102997884	5.319	6.824	0.008992	IL18R1	TARBP1
11	chr11_9850990	13	chr13_20763612	8.392	6.824	0.008993	GJB2	SBF2
2	chr2_62450631	2	chr2_103059664	2.446	6.824	0.008996	B3GNT2	IL18RAP
16	chr16_11051673	17	chr17_78180618	0.2187	6.823	0.008997	CARD14	CLEC16A
5	chr5_96252998	17	chr17_25639188	2.467	6.823	0.008997	ERAP2	WSB1
17	chr17_78179012	19	chr19_10475652	3.554	6.823	0.009001	CARD14	TYK2
2	chr2_163136771	3	chr3_101576397	11.21	6.822	0.009002	IFIH1	NFKBIZ
2	chr2_102984671	5	chr5_150497409	0.2051	6.82	0.009013	ANXA6	IL18R1
4	chr4_103514445	19	chr19_10090684	2.457	6.82	0.009017	COL5A3	NFKB1
5	chr5_96129512	9	chr9_32631356	3.334	6.819	0.009018	ERAP1	TAF1L
4	chr4_103514445	6	chr6_395246	2.064	6.819	0.009022	IRF4	NFKB1
5	chr5_96139250	17	chr17_26105797	3.519	6.818	0.009025	ERAP1	NOS2
10	chr10_81058027	17	chr17_38153833	0.1691	6.818	0.009026	PSMD3	ZMZ1
5	chr5_150566792	19	chr19_49540013	2.355	6.817	0.009027	CCDC69	CGB1
1	chr1_67786218	17	chr17_26116896	7.003	6.817	0.009031	IL12RB2	NOS2
1	chr1_152329369	11	chr11_65601670	6.856	6.816	0.009034	FLG2	SNX32
2	chr2_103039873	19	chr19_49671451	2.97	6.816	0.009036	IL18RAP	TRPM4
1	chr1_7997619	5	chr5_96339273	0.5559	6.814	0.009043	LNPEP	TNFRSF9
1	chr1_207014445	2	chr2_103090127	4.515	6.814	0.009046	IL19	SLC9A4
1	chr1_234607086	17	chr17_78093367	0.3629	6.814	0.009046	GAA	TARBP1
2	chr2_103040182	2	chr2_103090127	1.203	6.813	0.009052	IL18RAP	SLC9A4
1	chr1_78024514	5	chr5_96117300	3.624	6.812	0.009055	AK5	ERAP1
2	chr2_103090127	17	chr17_40854650	2.611	6.811	0.009062	EZH1	SLC9A4
17	chr17_73515172	17	chr17_78178170	2.341	6.81	0.009065	CARD14	TSEN54
2	chr2_102644675	5	chr5_96125910	2.954	6.809	0.00907	ERAP1	IL1R2
2	chr2_163137695	3	chr3_101576397	11.18	6.807	0.009078	IFIH1	NFKBIZ
1	chr1_152681689	12	chr12_6464809	0.6285	6.807	0.009082	LCE4A	SCNN1A
1	chr1_152759678	12	chr12_56745105	0.2915	6.806	0.009083	LCE1E	STAT2
2	chr2_102998279	10	chr10_75143440	7.345	6.806	0.009084	ANXA7	IL18R1
8	chr8_3351163	17	chr17_78166385	19.6	6.806	0.009085	CARD14	CSMD1
5	chr5_96121069	5	chr5_150282783	0.1692	6.806	0.009087	ERAP1	ZNF300
5	chr5_150443005	20	chr20_48562097	2.562	6.805	0.009092	RNF114	TNIP1
12	chr12_56384687	19	chr19_10464687	1.096	6.804	0.009094	RAB5B	TYK2
5	chr5_96339273	5	chr5_131726375	18.22	6.804	0.009094	LNPEP	SLC22A5
2	chr2_102955683	17	chr17_38153820	0.2778	6.804	0.009098	IL1RL1	PSMD3
2	chr2_163134756	5	chr5_96121069	4.454	6.803	0.009098	ERAP1	IFIH1
4	chr4_103534560	10	chr10_81060474	1.093	6.804	0.009098	NFKB1	ZMZ1
13	chr13_99966536	16	chr16_31095204	2.775	6.802	0.009107	MIR548AN	PRSS53
2	chr2_60689430	19	chr19_10108850	0.3275	6.801	0.009112	BCL11A	COL5A3
2	chr2_103040945	5	chr5_96508933	0.1138	6.8	0.009114	IL18RAP	RIOK2
4	chr4_103557219	10	chr10_101643911	0.1895	6.8	0.009115	DNMBP	MANBA
1	chr1_158986477	3	chr3_101571838	0.1546	6.8	0.009117	IFI16	NFKBIZ
1	chr1_234565787	2	chr2_61239020	2.28	6.8	0.009118	PUS10	TARBP1
2	chr2_103040945	5	chr5_150497409	0.1952	6.799	0.009121	ANXA6	IL18RAP
1	chr1_67852347	17	chr17_40716235	0.2133	6.799	0.009123	COASY	IL12RB2
1	chr1_234607104	19	chr19_10108850	1.206	6.797	0.00913	COL5A3	TARBP1
2	chr2_163144850	11	chr11_65601560	2.921	6.796	0.009135	IFIH1	SNX32
12	chr12_56744988	17	chr17_73888354	5.742	6.796	0.009136	STAT2	TRIM65
5	chr5_132051607	17	chr17_38153554	4.32	6.794	0.009146	KIF3A	PSMD3
1	chr1_159002222	19	chr19_53453278	0.3643	6.793	0.009152	IFI16	ZNF816
12	chr12_56362011	17	chr17_40459737	2.828	6.793	0.009153	CDK2	STAT5A
10	chr10_81056383	12	chr12_111992212	4.658	6.792	0.009158	ATXN2	ZMZ1
2	chr2_102967928	18	chr18_12979041	1.164	6.792	0.009159	IL1RL1	SEH1L
2	chr2_102968362	16	chr16_11051783	4.624	6.79	0.009167	CLEC16A	IL1RL1
2	chr2_102984624	17	chr17_38024626	0.8855	6.788	0.009176	IL18R1	ZBP2
16	chr16_31422521	17	chr17_38024626	4.513	6.787	0.00918	ITGAD	ZBP2
2	chr2_103130373	12	chr12_56437315	0.0641	6.785	0.009195	RPS26	SLC9A4
2	chr2_103090127	14	chr14_35761791	0.2752	6.784	0.009196	PSMA6	SLC9A4
1	chr1_159002222	12	chr12_122720095	1.426	6.784	0.009197	IFI16	VPS33A
4	chr4_103594938	5	chr5_132037895	3.896	6.784	0.009199	KIF3A	MANBA
12	chr12_56477560	17	chr17_40481529	3.886	6.783	0.009201	ERBB3	STAT3
5	chr5_150443005	19	chr19_53453585	0.3736	6.783	0.009201	TNIP1	ZNF816
1	chr1_7879545	21	chr21_34954851	6.831	6.782	0.009206	DONSON	PER3
2	chr2_163149965	11	chr11_63920076	4.149	6.782	0.009207	IFIH1	MACROD1

2	chr2_62450631	11	chr11_63974506	0.1656	6.782	0.00921	B3GNT2	FERMT3
16	chr16_11004034	17	chr17_73871467	3.564	6.781	0.009212	CIITA	TRIM47
1	chr1_26688533	12	chr12_6626369	0.2525	6.781	0.009215	NCAPD2	ZNF683
2	chr2_103040177	4	chr4_103531882	0.212	6.78	0.009217	IL18RAP	NFKB1
3	chr3_121642101	4	chr4_103514445	3.094	6.78	0.00922	NFKB1	SLC15A2
2	chr2_102984671	19	chr19_10084473	2.378	6.78	0.009221	COL5A3	IL18R1
5	chr5_96121069	9	chr9_32631426	5.798	6.779	0.009223	ERAP1	TAF1L
1	chr1_234563154	2	chr2_103011237	4.058	6.777	0.009232	IL18R1	TARBP1
5	chr5_96118852	12	chr12_6623677	0.4704	6.777	0.009234	ERAP1	NCAPD2
5	chr5_96228131	5	chr5_158750013	5.476	6.777	0.009234	ERAP2	IL12B
5	chr5_150581233	5	chr5_158705065	0.3119	6.777	0.009235	CCDC69	UBLCP1
2	chr2_62728105	3	chr3_121810428	2.636	6.776	0.009241	CD86	TMEM17
5	chr5_158747359	17	chr17_78178170	2.819	6.776	0.009241	CARD14	IL12B
5	chr5_96513471	21	chr21_34876817	2.531	6.776	0.009241	GART	RIOK2
5	chr5_96139435	17	chr17_78166385	5.483	6.775	0.009242	CARD14	ERAP1
2	chr2_103006387	2	chr2_103040182	1.205	6.774	0.009248	IL18R1	IL18RAP
2	chr2_163230194	19	chr19_10108850	0.3023	6.774	0.00925	COL5A3	KCNH7
2	chr2_102984671	5	chr5_158705519	1.329	6.773	0.009256	IL18R1	UBLCP1
5	chr5_96124447	12	chr12_122354257	3.12	6.772	0.009259	ERAP1	PSMD9
2	chr2_103006448	21	chr21_35175117	0.2299	6.772	0.009262	IL18R1	ITSN1
2	chr2_102957348	3	chr3_169500454	3.094	6.771	0.009263	IL1RL1	MYNN
17	chr17_38063381	19	chr19_10096742	1.762	6.771	0.009267	COL5A3	GSDMB
2	chr2_102998279	2	chr2_103136485	2.945	6.77	0.009271	IL18R1	SLC9A4
2	chr2_102984671	6	chr6_138638331	0.3194	6.769	0.009274	ARFGEF3	IL18R1
12	chr12_6636392	20	chr20_48565700	0.2345	6.768	0.009279	NCAPD2	RNF114
5	chr5_96117300	18	chr18_61465672	2.638	6.767	0.009285	ERAP1	SERPINB7
1	chr1_152770589	1	chr1_158549549	6.477	6.766	0.009292	LCE1D	OR10X1
5	chr5_79747477	12	chr12_111895203	0.06009	6.765	0.009296	ATXN2	ZFYVE16
5	chr5_96124447	19	chr19_49422231	3.239	6.765	0.009298	ERAP1	NUCB1
5	chr5_96129512	12	chr12_10251227	0.3666	6.765	0.009298	CLEC1A	ERAP1
1	chr1_67889571	19	chr19_10084481	3.379	6.764	0.009301	COL5A3	SERBP1
1	chr1_234607086	11	chr11_128360376	6.757	6.763	0.009305	ETS1	TARBP1
2	chr2_103130373	17	chr17_77753128	18.66	6.763	0.009306	CBX2	SLC9A4
2	chr2_163137871	3	chr3_101576397	11.09	6.762	0.009312	IFIH1	NFKBIZ
2	chr2_103006448	5	chr5_132036004	0.2709	6.762	0.009313	IL18R1	KIF3A
2	chr2_103040182	12	chr12_6604632	0.106	6.762	0.009313	IL18RAP	NCAPD2
17	chr17_38031714	19	chr19_10421207	3.233	6.762	0.009315	FDX1L	ZBP2
2	chr2_62728105	5	chr5_150498915	0.2501	6.761	0.009317	ANXA6	TMEM17
4	chr4_103518813	12	chr12_56384687	2.443	6.76	0.009322	NFKB1	RAB5B
2	chr2_102957348	10	chr10_81056383	0.7804	6.76	0.009323	IL1RL1	ZMZ1
5	chr5_150439848	10	chr10_81058027	0.3815	6.76	0.009325	TNIP1	ZMZ1
1	chr1_158987941	6	chr6_111913219	0.4185	6.758	0.00933	IFI16	TRAF3IP2
1	chr1_152732311	2	chr2_62728046	4.733	6.757	0.009336	KPRP	TMEM17
2	chr2_103040177	17	chr17_26125911	0.1073	6.757	0.009338	IL18RAP	NOS2
1	chr1_207015917	12	chr12_6604076	1.866	6.757	0.009339	IL19	NCAPD2
4	chr4_103594918	5	chr5_96219520	0.3329	6.756	0.009341	ERAP2	MANBA
16	chr16_31372344	18	chr18_12979041	5.939	6.756	0.009342	ITGAX	SEH1L
5	chr5_150510750	17	chr17_78178182	6.621	6.756	0.009343	ANXA6	CARD14
10	chr10_90034899	19	chr19_10106896	4.888	6.756	0.009345	COL5A3	RNLS
10	chr10_101643750	20	chr20_48522585	0.4084	6.756	0.009346	DNMBP	SPATA2
4	chr4_103594918	5	chr5_132037895	3.885	6.755	0.009347	KIF3A	MANBA
5	chr5_96119556	17	chr17_38024626	16.37	6.755	0.009349	ERAP1	ZBP2
2	chr2_103040177	18	chr18_12978823	4.767	6.754	0.009355	IL18RAP	SEH1L
5	chr5_150566792	17	chr17_38153473	1.081	6.754	0.009355	CCDC69	PSMD3
1	chr1_24495839	2	chr2_102967928	0.5671	6.753	0.009358	IFNLR1	IL1RL1
1	chr1_152282354	12	chr12_56384687	0.1497	6.753	0.00936	FLG	RAB5B
16	chr16_31332628	19	chr19_10464687	0.4586	6.751	0.009371	ITGAM	TYK2
16	chr16_11056327	16	chr16_11444716	0.2146	6.749	0.009378	CLEC16A	RMI2
1	chr1_159002222	19	chr19_10103709	3.107	6.749	0.009379	COL5A3	IFI16
1	chr1_173010707	10	chr10_81058027	2.893	6.749	0.00938	TNFSF18	ZMZ1
2	chr2_61390097	17	chr17_40459737	0.2934	6.747	0.009388	C2orf74	STAT5A
2	chr2_102998279	21	chr21_34805286	0.1279	6.746	0.009393	IFNGR2	IL18R1
2	chr2_103039873	6	chr6_138628488	0.29	6.747	0.009393	ARFGEF3	IL18RAP
2	chr2_103125466	17	chr17_73752358	0.2244	6.746	0.009395	ITGB4	SLC9A4



2	chr2_62728459	3	chr3_121647656	5.305	6.746	0.009396	SLC15A2	TMEM17
14	chr14_35782032	17	chr17_73888354	0.1602	6.745	0.0094	PSMA6	TRIM65
5	chr5_96139250	18	chr18_61465672	2.645	6.745	0.009402	ERAP1	SERPINB7
12	chr12_56744010	21	chr21_34954851	3.368	6.744	0.009405	DONSON	STAT2
2	chr2_61108996	2	chr2_102959885	7.508	6.744	0.009405	IL1RL1	REL
5	chr5_158750013	9	chr9_32634619	3.87	6.744	0.009405	IL12B	TAF1L
1	chr1_152595565	5	chr5_96118852	0.5714	6.744	0.009408	ERAP1	LCE3A
5	chr5_96119556	17	chr17_38029120	16.33	6.744	0.009408	ERAP1	ZPBP2
1	chr1_158990412	12	chr12_10251227	0.4009	6.743	0.009409	CLEC1A	IFI16
5	chr5_150443005	12	chr12_6974926	5.438	6.743	0.009411	TNIP1	USP5
9	chr9_32632014	17	chr17_78178830	0.2335	6.743	0.009412	CARD14	TAF1L
17	chr17_40490844	19	chr19_53454387	0.3157	6.741	0.009423	STAT3	ZNF816
1	chr1_158986477	3	chr3_121659930	1.333	6.741	0.009424	IFI16	SLC15A2
2	chr2_61108996	2	chr2_103121575	0.1597	6.74	0.009429	REL	SLC9A4
2	chr2_102984624	3	chr3_121634344	0.2247	6.739	0.009432	IL18R1	SLC15A2
2	chr2_163134868	12	chr12_6604076	3.551	6.739	0.009432	IFIH1	NCAPD2
17	chr17_26116762	18	chr18_12978733	2.493	6.738	0.009437	NOS2	SEH1L
16	chr16_31372344	18	chr18_12978733	5.924	6.738	0.009438	ITGAX	SEH1L
5	chr5_150411677	17	chr17_38029120	0.7159	6.738	0.009441	TNIP1	ZPBP2
1	chr1_152770589	12	chr12_6928026	0.4611	6.736	0.009446	CD4	LCE1D
2	chr2_102968356	16	chr16_31374571	19.22	6.736	0.009446	IL1RL1	ITGAX
1	chr1_159002510	12	chr12_56744276	0.1784	6.736	0.009447	IFI16	STAT2
1	chr1_67155976	2	chr2_102960007	0.256	6.736	0.009447	IL1RL1	SGIP1
2	chr2_103125466	11	chr11_66083174	0.2692	6.736	0.00945	CD248	SLC9A4
1	chr1_234563154	2	chr2_103040182	5.254	6.734	0.009461	IL18RAP	TARBP1
2	chr2_103057775	16	chr16_31095251	6.474	6.733	0.009464	IL18RAP	PRSS53
2	chr2_103040177	5	chr5_96116995	3.367	6.733	0.009465	ERAP1	IL18RAP
17	chr17_26116619	17	chr17_38031714	0.3604	6.733	0.009466	NOS2	ZPBP2
12	chr12_56436112	17	chr17_73888354	3.525	6.732	0.009469	RPS26	TRIM65
2	chr2_62450631	9	chr9_32631426	0.2243	6.732	0.00947	B3GNT2	TAF1L
5	chr5_96121183	12	chr12_56532718	0.2973	6.731	0.009475	ERAP1	ESYT1
2	chr2_102984624	11	chr11_128360376	6.726	6.73	0.009478	ETS1	IL18R1
1	chr1_152770521	1	chr1_158549549	6.352	6.73	0.00948	LCE1D	OR10X1
5	chr5_150111027	19	chr19_53454387	7.683	6.73	0.009481	DCTN4	ZNF816
2	chr2_61108996	20	chr20_48565754	9.154	6.727	0.009496	REL	RNF114
1	chr1_12249031	6	chr6_111913273	0.2408	6.727	0.009497	TNFRSF1B	TRAF3IP2
5	chr5_131671659	5	chr5_158705065	2.692	6.727	0.009497	SLC22A4	UBLCP1
2	chr2_102998279	5	chr5_132036004	0.2718	6.727	0.009499	IL18R1	KIF3A
9	chr9_32630600	12	chr12_56744445	8.212	6.726	0.0095	STAT2	TAF1L
1	chr1_207014445	2	chr2_102984671	3.801	6.725	0.009505	IL18R1	IL19
1	chr1_7879569	2	chr2_62728046	0.116	6.725	0.009506	PER3	TMEM17
1	chr1_158986477	16	chr16_11003860	0.2054	6.725	0.009507	CIITA	IFI16
2	chr2_61175288	17	chr17_40481529	0.3569	6.725	0.009508	PUS10	STAT3
4	chr4_103500091	17	chr17_78117807	3.816	6.725	0.009509	EIF4A3	NFKB1
1	chr1_159002222	20	chr20_48522414	0.448	6.724	0.00951	IFI16	SPATA2
5	chr5_96249323	11	chr11_64075044	4.42	6.724	0.009515	ERAP2	ESRRA
2	chr2_102967928	3	chr3_169500454	2.662	6.723	0.00952	IL1RL1	MYNN
1	chr1_11917786	2	chr2_163136727	0.1378	6.722	0.009524	IFIH1	NPPB
10	chr10_81058027	11	chr11_63680101	0.2611	6.722	0.009525	RCOR2	ZMIZ1
5	chr5_96117300	12	chr12_56748590	0.2922	6.721	0.009529	ERAP1	STAT2
8	chr8_3226856	17	chr17_26084532	0.2159	6.721	0.009529	CSMD1	NOS2
2	chr2_102967928	4	chr4_103635674	0.1905	6.72	0.009534	IL1RL1	MANBA
17	chr17_26110215	19	chr19_10104154	0.2102	6.719	0.009537	COL5A3	NOS2
2	chr2_102642514	19	chr19_49206631	0.3746	6.719	0.009539	FUT2	IL1R2
4	chr4_103594938	5	chr5_79374474	0.4786	6.719	0.009539	CTD-220118.1	MANBA
17	chr17_40854482	19	chr19_49573245	9.226	6.718	0.009543	EZH1	KCNA7
4	chr4_103561106	19	chr19_49656355	3.648	6.718	0.009543	HRC	MANBA
14	chr14_35778161	19	chr19_10104272	4.746	6.718	0.009545	COL5A3	PSMA6
2	chr2_62733253	5	chr5_132037889	4.064	6.717	0.009548	KIF3A	TMEM17
10	chr10_90034899	13	chr13_40298646	2.576	6.717	0.009549	COG6	RNLS
5	chr5_150566792	12	chr12_56532750	0.5535	6.717	0.009549	CCDC69	ESYT1
12	chr12_6619284	16	chr16_31230867	0.2819	6.717	0.00955	NCAPD2	TRIM72
5	chr5_79768604	16	chr16_11444716	2.56	6.717	0.009551	RMI2	ZFYVE16
1	chr1_206944791	5	chr5_96129512	0.1748	6.716	0.009556	ERAP1	IL10

4	chr4_103534560	14	chr14_35780073	0.2703	6.715	0.009561	NFKB1	PSMA6
1	chr1_8416300	2	chr2_102641201	6.503	6.715	0.009562	IL1R2	RERE
3	chr3_121642101	5	chr5_150496853	5.23	6.715	0.009563	ANXA6	SLC15A2
3	chr3_121643931	5	chr5_96237114	2.152	6.714	0.009564	ERAP2	SLC15A2
5	chr5_131785536	5	chr5_150413406	0.3353	6.714	0.009566	C5orf56	TNIP1
16	chr16_11016073	17	chr17_78178830	0.1796	6.714	0.009568	CARD14	CIITA
2	chr2_102984671	17	chr17_73564912	0.0585	6.714	0.009568	IL18R1	LLGL2
1	chr1_152195718	1	chr1_152329369	4.014	6.712	0.009579	FLG2	HRNR
12	chr12_111963030	14	chr14_35761675	0.2858	6.712	0.009579	ATXN2	PSMA6
2	chr2_102968356	12	chr12_56491601	5.869	6.71	0.009585	ERBB3	IL1RL1
4	chr4_103553090	10	chr10_101643911	5.218	6.711	0.009585	DNMBP	MANBA
2	chr2_102984624	12	chr12_6604632	0.1693	6.71	0.009588	IL18R1	NCAPD2
17	chr17_40459737	18	chr18_61654356	0.3267	6.71	0.009589	SERPINB8	STAT5A
1	chr1_152283271	2	chr2_103011237	7.183	6.709	0.009595	FLG	IL18R1
2	chr2_62728105	18	chr18_12979041	0.8906	6.708	0.009596	SEH1L	TMEM17
1	chr1_159002222	3	chr3_18436459	0.3488	6.708	0.009597	IFI16	SATB1
5	chr5_96252998	12	chr12_6909388	0.1074	6.708	0.0096	CD4	ERAP2
5	chr5_96119556	17	chr17_38031714	16.21	6.707	0.009606	ERAP1	ZBPB2
2	chr2_103006448	3	chr3_121649809	2.753	6.705	0.009613	IL18R1	SLC15A2
1	chr1_158548793	2	chr2_102967928	2.451	6.705	0.009615	IL1RL1	OR10X1
2	chr2_163137994	19	chr19_10114033	0.4802	6.704	0.009621	COL5A3	IFIH1
3	chr3_101443494	17	chr17_38031714	7.246	6.704	0.009621	CEP97	ZBPB2
2	chr2_103040177	2	chr2_103090127	1.165	6.702	0.009632	IL18RAP	SLC9A4
10	chr10_101643750	20	chr20_48467560	0.3599	6.701	0.009636	DNMBP	SLC9A8
2	chr2_103001485	14	chr14_35761592	3.889	6.701	0.009636	IL18R1	PSMA6
12	chr12_6619284	17	chr17_38153634	0.3146	6.701	0.009638	NCAPD2	PSMD3
2	chr2_103125457	5	chr5_131755717	0.4703	6.7	0.009641	C5orf56	SLC9A4
1	chr1_234563154	2	chr2_102998279	4.026	6.7	0.009643	IL18R1	TARBP1
12	chr12_56532718	20	chr20_48467560	1.66	6.699	0.009644	ESYT1	SLC9A8
1	chr1_234607104	11	chr11_128360376	6.696	6.699	0.009645	ETS1	TARBP1
19	chr19_10073486	19	chr19_10464687	0.3459	6.699	0.009646	COL5A3	TYK2
2	chr2_62728046	19	chr19_49693743	2.825	6.699	0.009647	TMEM17	TRPM4
1	chr1_25678132	4	chr4_103534560	0.4317	6.699	0.009648	NFKB1	TMEM50A
2	chr2_61175204	17	chr17_38153473	2.951	6.699	0.009648	PSMD3	PUS10
6	chr6_111912800	17	chr17_78166385	3.512	6.698	0.009655	CARD14	TRAF3IP2
6	chr6_138195723	19	chr19_10081322	2.194	6.697	0.009657	COL5A3	TNFAIP3
10	chr10_75564556	17	chr17_38153554	0.2633	6.697	0.009658	NDST2	PSMD3
1	chr1_152770521	13	chr13_40251725	0.362	6.697	0.00966	COG6	LCE1D
12	chr12_6483463	13	chr13_40298646	2.906	6.696	0.00966	COG6	SCNN1A
2	chr2_102968362	6	chr6_111887624	0.4408	6.696	0.009662	IL1RL1	TRAF3IP2-AS1
2	chr2_103090127	3	chr3_121649809	0.5175	6.696	0.009663	SLC15A2	SLC9A4
3	chr3_121646806	5	chr5_96121994	1.182	6.695	0.009667	ERAP1	SLC15A2
4	chr4_103488278	17	chr17_78178189	0.3323	6.695	0.009667	CARD14	NFKB1
2	chr2_103095494	17	chr17_77753128	18.41	6.694	0.009672	CBX2	SLC9A4
2	chr2_103040945	6	chr6_398878	0.383	6.693	0.009679	IL18RAP	IRF4
1	chr1_158986225	3	chr3_101571838	0.1569	6.692	0.009684	IFI16	NFKBIZ
4	chr4_103571832	18	chr18_12979041	5.459	6.692	0.009685	MANBA	SEH1L
17	chr17_74288578	17	chr17_78178182	2.782	6.691	0.00969	CARD14	QRICH2
2	chr2_103011108	17	chr17_78178170	0.2551	6.691	0.009691	CARD14	IL18R1
1	chr1_12249031	1	chr1_152283119	0.1892	6.689	0.0097	FLG	TNFRSF1B
11	chr11_63974554	11	chr11_65422853	2.903	6.689	0.009702	FERMT3	RELA
17	chr17_26084532	21	chr21_34876665	4.567	6.688	0.009705	GART	NOS2
17	chr17_38073517	20	chr20_48599549	0.2746	6.687	0.009711	GSDMB	SNAI1
2	chr2_61128196	5	chr5_150443005	5.684	6.687	0.009714	REL	TNIP1
12	chr12_56363520	19	chr19_49206631	5.224	6.686	0.009715	CDK2	FUT2
6	chr6_138198365	17	chr17_38031714	0.1759	6.686	0.009715	TNFAIP3	ZBPB2
1	chr1_158986225	20	chr20_48522414	0.4555	6.686	0.009716	IFI16	SPATA2
2	chr2_103040945	5	chr5_79374767	3.103	6.685	0.009725	IL18RAP	THBS4
1	chr1_159002222	1	chr1_234608381	0.74	6.684	0.009728	IFI16	TARBP1
5	chr5_96121715	19	chr19_10463102	2.286	6.684	0.009729	ERAP1	TYK2
12	chr12_6623976	17	chr17_38153473	0.167	6.683	0.009732	NCAPD2	PSMD3
12	chr12_6604076	16	chr16_31230867	0.2829	6.683	0.009734	NCAPD2	TRIM72
2	chr2_163136771	4	chr4_103557219	1.136	6.682	0.009738	IFIH1	MANBA
12	chr12_56744988	21	chr21_34954851	9.224	6.682	0.009741	DONSON	STAT2

5	chr5_96117555	5	chr5_96339273	5.139	6.681	0.009746	ERAP1	LNPEP
16	chr16_11363064	20	chr20_48467560	4.643	6.681	0.009747	SLC9A8	TNP2
2	chr2_102984671	12	chr12_56744988	3.975	6.68	0.009749	IL18R1	STAT2
19	chr19_10467370	19	chr19_49206631	2.641	6.679	0.009754	FUT2	TYK2
1	chr1_152770521	12	chr12_56384636	3.474	6.679	0.009757	LCE1D	RAB5B
5	chr5_150566792	14	chr14_35780167	2.789	6.678	0.009761	CCDC69	PSMA6
18	chr18_12978733	21	chr21_34876665	10.79	6.678	0.009762	GART	SEH1L
5	chr5_79735888	19	chr19_10108850	0.2326	6.677	0.009764	COL5A3	ZFYVE16
5	chr5_96124447	16	chr16_31339529	0.3491	6.677	0.009765	ERAP1	ITGAM
2	chr2_62733253	19	chr19_10248318	4.585	6.677	0.009766	DNMT1	TMEM17
3	chr3_121643931	5	chr5_96232222	2.147	6.676	0.009771	ERAP2	SLC15A2
1	chr1_152328381	5	chr5_96237114	0.28	6.676	0.009774	ERAP2	FLG2
5	chr5_150444664	17	chr17_78178170	0.2522	6.675	0.009777	CARD14	TNIP1
2	chr2_163291617	17	chr17_38068764	9.706	6.675	0.009779	GSDMB	KCNH7
5	chr5_96117300	17	chr17_26125743	0.3174	6.674	0.009785	ERAP1	NOS2
12	chr12_6626577	17	chr17_40716235	0.3435	6.672	0.009794	COASY	NCAPD2
5	chr5_96222183	19	chr19_10460737	0.1935	6.672	0.009794	ERAP2	TYK2
1	chr1_152770589	12	chr12_6619022	0.1386	6.672	0.009796	LCE1D	NCAPD2
10	chr10_81056383	12	chr12_56537544	5.157	6.672	0.009796	ESYT1	ZMZ1
5	chr5_96139435	17	chr17_38153473	2.633	6.671	0.009797	ERAP1	PSMD3
6	chr6_111922458	19	chr19_10104272	0.2203	6.671	0.009797	COL5A3	TRAF3IP2-AS1
1	chr1_8075575	4	chr4_103557219	2.607	6.671	0.009798	ERRFI1	MANBA
4	chr4_103571832	5	chr5_96513471	2.78	6.671	0.009798	MANBA	RIOK2
5	chr5_96339273	17	chr17_26125933	0.2828	6.671	0.009799	LNPEP	NOS2
5	chr5_96118852	6	chr6_138192761	1.178	6.669	0.00981	ERAP1	TNFAIP3
1	chr1_152595565	5	chr5_96129512	0.55	6.668	0.009818	ERAP1	LCE3A
1	chr1_67795430	17	chr17_78178189	3.98	6.667	0.009819	CARD14	IL12RB2
1	chr1_67155800	2	chr2_163149896	6.187	6.666	0.009825	IFIH1	SGIP1
5	chr5_96124296	12	chr12_56492683	4.414	6.666	0.009827	ERAP1	ERBB3
5	chr5_96222185	18	chr18_61646998	3.025	6.666	0.009829	ERAP2	SERPINB8
4	chr4_103537442	16	chr16_31332719	0.344	6.665	0.00983	ITGAM	NFKB1
3	chr3_169491944	20	chr20_48599549	2.417	6.665	0.009832	MYNN	SNAI1
2	chr2_163136727	17	chr17_26084296	2.908	6.665	0.009834	IFIH1	NOS2
1	chr1_67705963	2	chr2_102641201	5.365	6.665	0.009835	IL1R2	IL23R
1	chr1_7910969	1	chr1_158990412	0.2941	6.664	0.009838	IFI16	UTS2
2	chr2_102960007	10	chr10_81056383	1.177	6.663	0.009843	IL1RL1	ZMZ1
1	chr1_152770589	2	chr2_61149221	0.1808	6.662	0.009847	LCE1D	REL
16	chr16_31373452	18	chr18_12984340	2.547	6.662	0.009851	ITGAX	SEH1L
5	chr5_96232222	19	chr19_10460737	0.1882	6.661	0.009857	ERAP2	TYK2
2	chr2_102968211	18	chr18_12951951	5.092	6.66	0.009858	IL1RL1	SEH1L
2	chr2_102955683	17	chr17_40854650	2.814	6.659	0.009864	EZHI	IL1RL1
5	chr5_96117300	17	chr17_26105797	3.397	6.659	0.009864	ERAP1	NOS2
16	chr16_31421719	17	chr17_78178182	0.1716	6.658	0.009871	CARD14	ITGAD
2	chr2_163256877	5	chr5_96339273	2.417	6.658	0.009873	KCNH7	LNPEP
11	chr11_128350126	17	chr17_38153554	0.4003	6.657	0.009877	ETS1	PSMD3
1	chr1_152770521	5	chr5_150439848	2.984	6.657	0.009878	LCE1D	TNIP1
2	chr2_102641201	8	chr8_3611563	0.5321	6.657	0.009879	CSMD1	IL1R2
5	chr5_150439897	17	chr17_38029120	4.291	6.657	0.009879	TNIP1	ZBPB2
1	chr1_26358755	1	chr1_234607086	28.89	6.656	0.009881	EXTL1	TARBP1
2	chr2_103125466	17	chr17_40481596	0.5227	6.656	0.009881	SLC9A4	STAT3
5	chr5_158705065	9	chr9_32634519	0.416	6.656	0.009882	TAF1L	UBLCP1
5	chr5_96121069	8	chr8_3611563	1.991	6.654	0.009892	CSMD1	ERAP1
1	chr1_7879545	10	chr10_90034899	0.2533	6.653	0.0099	PER3	RNLS
1	chr1_152283331	4	chr4_103561106	0.1219	6.651	0.009909	FLG	MANBA
1	chr1_152732436	5	chr5_150499016	2.295	6.651	0.009909	ANXA6	KPRP
2	chr2_163136771	5	chr5_150704758	1.625	6.65	0.009914	IFIH1	SLC36A2
2	chr2_61128196	17	chr17_78178830	0.2072	6.649	0.009923	CARD14	REL
2	chr2_163230276	21	chr21_34876708	2.81	6.648	0.009924	GART	KCNH7
18	chr18_61649161	19	chr19_10104154	4.577	6.647	0.009931	COL5A3	SERPINB8
1	chr1_172635038	12	chr12_6483463	0.357	6.647	0.009932	FASLG	SCNN1A
12	chr12_56384687	16	chr16_31283312	0.05674	6.646	0.009935	ITGAM	RAB5B
1	chr1_234563154	2	chr2_102957348	5.197	6.646	0.009936	IL1RL1	TARBP1
2	chr2_102968007	12	chr12_6604632	0.1707	6.646	0.009936	IL1RL1	NCAPD2
5	chr5_96237114	19	chr19_10460737	0.1886	6.645	0.009941	ERAP2	TYK2

2	chr2_103040945	17	chr17_40854482	3.976	6.645	0.009944	EZH1	IL18RAP
7	chr7_37251085	17	chr17_78178189	1.885	6.645	0.009944	CARD14	ELM01
17	chr17_73723363	20	chr20_48467560	0.3127	6.644	0.00995	ITGB4	SLC9A8
2	chr2_102641201	16	chr16_31388246	2.704	6.643	0.009952	IL1R2	ITGAX
7	chr7_37355628	12	chr12_6861043	0.2789	6.642	0.009958	ELM01	MLF2
1	chr1_7879491	1	chr1_158990412	0.273	6.642	0.009961	IFI16	PER3
1	chr1_152681722	1	chr1_158987941	0.4362	6.642	0.009963	IFI16	LCE4A
2	chr2_102959885	5	chr5_96249323	3.932	6.642	0.009963	ERAP2	IL1RL1
14	chr14_35761675	19	chr19_10080650	3.36	6.64	0.009971	COL5A3	PSMA6
12	chr12_6623976	17	chr17_38153554	0.1679	6.64	0.009973	NCAPD2	PSMD3
1	chr1_152326252	16	chr16_10998482	3.217	6.639	0.009975	CIITA	FLG2
1	chr1_152283271	2	chr2_103006448	7.11	6.639	0.009976	FLG	IL18R1
7	chr7_37053051	19	chr19_10085062	0.1148	6.639	0.009978	COL5A3	ELM01-AS1
2	chr2_103040945	8	chr8_3889595	0.4572	6.638	0.009983	CSMD1	IL18RAP
11	chr11_9853777	12	chr12_6636202	6.005	6.637	0.009988	NCAPD2	SBF2
13	chr13_99890720	19	chr19_10108850	4.429	6.636	0.009994	COL5A3	UBAC2
12	chr12_6604076	22	chr22_22162059	2.816	6.636	0.009996	MAPK1	NCAPD2
17	chr17_40459737	18	chr18_12951951	0.342	6.635	0.009998	SEHL	STAT5A