Table SI. STR in cells of the X-SCID patient and his mother.

Locus	Chromosome	Allele (Patient, Oral swabs)	Allele (Patient, Peripheral blood)	Allele (Mother)
D3S1358	chr3	16, 17	16, 17	16, 17
TH01	chr11	9, 10	6, 9, 10	6, 10
D21S11	chr21	30, 32.2	30, 32.2	32.2
D18S51	chr18	16, 18	16, 18, 22	16, 22
Penta E	chr15	13, 18	13, 18, 22	13, 22
D5S818	chr5	9, 11	9, 11	11
D13S317	chr13	8, 10	8, 10	8, 10
D7S820	chr7	11, 12	10, 11, 12	10, 11
D16S539	chr16	9, 12	9, 11, 12	11, 12
CSF1PO	chr5	10, 12	10, 12	10, 12
Penta D	chr21	11, 12	10, 11, 12	10, 11
AMEL	Gender	X, Y	X, Y	X
vWA	chr12	16, 17	16, 17	16, 17
D8S1179	chr8	12, 14	12, 14	12
TPOX	chr2	8	8, 9	8, 9
FGA	chr4	24, 25	24, 25	24, 25

STR, short tandem repeat; X-SCID, X-linked severe combined immunodeficiency.

Table SII. Statistics of the scRNA-seq data for all samples

Source	Sample	Sex	Cell number	Median (nGene)	Median (nUMI)
Healthy	MantonBM1	Female	21,378	878	3,100
	MantonBM6		21,607	912	3,014
	MantonBM7		27,790	767	2,662
	MantonBM8		20,926	755	2,779
	MantonBM2	Male	36,197	801	2,612
	MantonBM3		31,151	779	2,714
	MantonBM4		24,374	859	2,692
	MantonBM5		21,577	838	2,467
Healthy	Healthy_PBMC	Male	10,964	1,952	6,739
Patient	Patient_BMMNC	Male	14,561	1,476	4,060

Table SIII. Statistics of the scRNA-seq data from the X-SCID patient's BMMNCs

Sample	PatientBMMNC_rep1	PatientBMMNC_rep2
Estimated Number of Cells	8,390	10,085
Mean Reads per Cell	42,632	33,041
Median Genes per Cell	1,451	1,353
Median UMI Counts per Cell	4,034	3,695
Number of Reads	357,680,624	333,218,716
Reads Mapped to Genome	92.40%	95.10%
Reads Mapped Confidently to Exonic Regions	60.70%	63.20%
Sequencing Saturation	68.30%	64.00%

X-SCID, X-linked severe combined immunodeficiency; BMMNCs, bone marrow mononuclear cells.

Table SIV. The cell number of each cluster in each sample

Cluster	Patient_BMMNC	MantonBM1	MantonBM2	MantonBM3	MantonBM4	MantonBM5	MantonBM6	MantonBM7	MantonBM8	Healthy_PBMC
0_NK-like	2,826	1,083	5,523	3,019	3,142	1,243	1,952	2,676	1,175	757
1_CD14.Mono1	1,656	2,092	1,841	2,777	2,932	3,413	2,689	1,911	2,262	1,624
2_CD4.T_{nai}	114	2,804	4,894	3,055	1,031	290	1,651	4,305	1,772	986
3_CD8.T_{eff}1	1,764	1,807	3,061	2,496	1,369	1,003	1,919	2,050	2,049	552
4_CD4.T_{CM}	686	1,643	3,888	2,874	1,151	594	992	2,118	2,110	1,220
5_CD8.T_{nai}	180	964	1,075	2,026	688	214	1,969	2,344	1,639	389
6_Eryth.1	1,236	1,009	493	577	1,647	3,079	1,031	749	786	129
7_CD14.Mono2	99	635	712	2,672	1,554	1,694	569	889	960	565
8_B.N1	563	657	3,369	1,028	389	292	736	1,316	434	686
9_GMP	1,716	867	371	911	1,037	1,408	908	389	935	377
10_B.N2	694	584	2,422	808	353	283	545	872	394	541
11_CD14.Mono3	359	431	692	1,370	919	678	761	429	1,176	605
12_Pro.B	120	1,359	1,240	132	534	174	439	1,555	397	254
13_HSC.CMP	227	551	195	481	1,076	981	857	599	921	19
14_CD8.T_{eff}2	276	220	1,701	1,302	286	441	532	498	261	192
15_CD8.T_{EM}	132	456	659	822	312	371	597	601	464	538
16_GMP.Neut	392	575	142	495	828	1,066	474	331	579	52
17_Eryth.2	603	669	356	253	573	967	313	597	336	73
18_cDC	152	353	254	783	703	692	491	336	612	209
19_CD4.T_{EM}	20	369	820	1,013	400	265	599	669	266	63
20_CD16.Mono	34	170	810	675	743	490	154	379	146	349
21_Plasma	20	440	365	543	380	644	402	280	207	101
22_pDC	163	262	127	367	698	452	307	412	367	90

23_CLP.1	13	424	388	57	873	191	257	476	170	9
24_CLP.2	4	482	210	28	277	69	109	594	135	4
25_MEP	164	119	49	104	199	402	157	113	182	309
26_Mega.Plate	158	184	301	160	77	84	106	176	109	190
27_DC	131	104	23	237	60	58	39	43	15	7
28_Unk.1	14	49	152	25	48	28	24	56	28	29
29_Unk.2	45	16	64	61	95	11	28	27	39	45

BMMNCs, bone marrow mononuclear cells; HSC, hemopoietic stem cell; Eryth, erythrocytes; Mega, megakaryocyte; Plate, platelet; Gran, granulocyte; Mono, monocyte; DC, dendritic cell; NK, natural killer; N/nai, naïve; eff, effector; CM, central memory; EM, effector memory; Unk, unknown.

Table SV. Differentially expressed genes in each cell cluster

Gene	p_val	avg_logFC	pct.1	pct.2	p_val_adj	cluster
GNLY	<0.001	3.182	0.990	0.105	<0.001	0_NK-like
NKG7	<0.001	2.411	0.998	0.233	<0.001	0_NK-like
GZMB	<0.001	2.376	0.856	0.072	<0.001	0_NK-like
PRF1	<0.001	2.143	0.744	0.074	<0.001	0_NK-like
FGFBP2	<0.001	2.103	0.752	0.064	<0.001	0_NK-like
KLRF1	<0.001	2.014	0.649	0.027	<0.001	0_NK-like
KLRD1	<0.001	1.916	0.764	0.071	<0.001	0_NK-like
KLRB1	<0.001	1.875	0.705	0.110	<0.001	0_NK-like
CST7	<0.001	1.861	0.895	0.173	<0.001	0_NK-like
SPON2	<0.001	1.803	0.521	0.040	<0.001	0_NK-like
CTSW	<0.001	1.797	0.849	0.219	<0.001	0_NK-like
GZMA	<0.001	1.775	0.826	0.130	<0.001	0_NK-like
HOPX	<0.001	1.714	0.687	0.106	<0.001	0_NK-like
TRDC	<0.001	1.682	0.497	0.022	<0.001	0_NK-like
CCL5	<0.001	1.648	0.860	0.201	<0.001	0_NK-like
GZMH	<0.001	1.631	0.658	0.086	<0.001	0_NK-like
CLIC3	<0.001	1.629	0.498	0.040	<0.001	0_NK-like
CD247	<0.001	1.546	0.686	0.153	<0.001	0_NK-like
CD7	<0.001	1.541	0.725	0.243	<0.001	0_NK-like
CMC1	<0.001	1.518	0.593	0.159	<0.001	0_NK-like
CCL4	<0.001	1.511	0.605	0.089	<0.001	0_NK-like
FCGR3A	<0.001	1.329	0.493	0.050	<0.001	0_NK-like
GZMM	<0.001	1.233	0.650	0.176	<0.001	0_NK-like
IFITM2	<0.001	1.183	0.797	0.456	<0.001	0_NK-like
MATK	<0.001	1.109	0.435	0.086	<0.001	0_NK-like
IL2RB	<0.001	1.082	0.348	0.035	<0.001	0_NK-like
IFITM1	<0.001	1.058	0.460	0.162	<0.001	0_NK-like
S1PR5	<0.001	0.983	0.321	0.024	<0.001	0_NK-like
HLA-C	<0.001	0.973	0.987	0.884	<0.001	0_NK-like
ITGB2	<0.001	0.970	0.712	0.382	<0.001	0_NK-like
MYO1F	<0.001	0.969	0.566	0.221	<0.001	0_NK-like
HCST	<0.001	0.963	0.875	0.556	<0.001	0_NK-like
ARL4C	<0.001	0.960	0.487	0.221	<0.001	0_NK-like
APMAP	<0.001	0.951	0.406	0.138	<0.001	0_NK-like
RARRES3	<0.001	0.950	0.594	0.296	<0.001	0_NK-like
RHOC	<0.001	0.940	0.397	0.107	<0.001	0_NK-like
ID2	<0.001	0.934	0.665	0.336	<0.001	0_NK-like
XCL2	<0.001	0.913	0.253	0.034	<0.001	0_NK-like
TTC38	<0.001	0.909	0.300	0.051	<0.001	0_NK-like
CCL3	<0.001	0.906	0.264	0.078	<0.001	0_NK-like

NCR3	<0.001	0.896	0.280	0.042	<0.001	0_NK-like
CHST12	<0.001	0.896	0.389	0.131	<0.001	0_NK-like
BIN2	<0.001	0.879	0.514	0.246	<0.001	0_NK-like
LITAF	<0.001	0.877	0.625	0.342	<0.001	0_NK-like
TRGC1	<0.001	0.867	0.267	0.034	<0.001	0_NK-like
C12orf75	<0.001	0.863	0.506	0.184	<0.001	0_NK-like
PYHIN1	<0.001	0.852	0.325	0.066	<0.001	0_NK-like
PRSS23	<0.001	0.846	0.265	0.023	<0.001	0_NK-like
IL32	<0.001	0.832	0.620	0.357	<0.001	0_NK-like
RAP1B	<0.001	0.821	0.697	0.481	<0.001	0_NK-like
HLA-A	<0.001	0.817	0.988	0.904	<0.001	0_NK-like
ABHD17A	<0.001	0.804	0.316	0.123	<0.001	0_NK-like
DOK2	<0.001	0.803	0.392	0.143	<0.001	0_NK-like
CD99	<0.001	0.801	0.685	0.454	<0.001	0_NK-like
ZAP70	<0.001	0.796	0.339	0.094	<0.001	0_NK-like
ADGRG1	<0.001	0.794	0.253	0.042	<0.001	0_NK-like
PLAC8	<0.001	0.792	0.632	0.381	<0.001	0_NK-like
B2M	<0.001	0.787	1.000	0.993	<0.001	0_NK-like
EFHD2	<0.001	0.787	0.415	0.190	<0.001	0_NK-like
JAK1	<0.001	0.779	0.500	0.312	<0.001	0_NK-like
SAMD3	<0.001	0.773	0.284	0.055	<0.001	0_NK-like
PFN1	<0.001	0.769	0.957	0.882	<0.001	0_NK-like
PPP2R5C	<0.001	0.758	0.546	0.352	<0.001	0_NK-like
CALM1	<0.001	0.757	0.803	0.642	<0.001	0_NK-like
IL2RG	<0.001	0.755	0.474	0.253	<0.001	0_NK-like
C1orf56	<0.001	0.754	0.292	0.162	<0.001	0_NK-like
HLA-B	<0.001	0.749	0.993	0.931	<0.001	0_NK-like
RAC2	<0.001	0.746	0.603	0.425	<0.001	0_NK-like
HLA-E	<0.001	0.742	0.904	0.742	<0.001	0_NK-like
RUNX3	<0.001	0.738	0.329	0.109	<0.001	0_NK-like
EVL	<0.001	0.735	0.621	0.382	<0.001	0_NK-like
LYAR	<0.001	0.734	0.414	0.209	<0.001	0_NK-like
CDC42SE1	<0.001	0.717	0.378	0.223	<0.001	0_NK-like
GNG2	<0.001	0.706	0.338	0.153	<0.001	0_NK-like
IRF1	<0.001	0.702	0.506	0.301	<0.001	0_NK-like
SYTL3	<0.001	0.701	0.293	0.086	<0.001	0_NK-like
APOBEC3G	<0.001	0.699	0.296	0.115	<0.001	0_NK-like
SUN2	<0.001	0.697	0.418	0.224	<0.001	0_NK-like
DDIT4	<0.001	0.688	0.384	0.187	<0.001	0_NK-like
MYL12A	<0.001	0.671	0.842	0.725	<0.001	0_NK-like
ARPC5L	<0.001	0.671	0.361	0.212	<0.001	0_NK-like
SYNE2	<0.001	0.666	0.304	0.109	<0.001	0_NK-like
PAXX	<0.001	0.663	0.436	0.279	<0.001	0_NK-like

LY6E	<0.001	0.659	0.579	0.408	<0.001	0_NK-like
GPR65	<0.001	0.657	0.292	0.112	<0.001	0_NK-like
PIP4K2A	<0.001	0.650	0.334	0.203	<0.001	0_NK-like
SEPTIN7	<0.001	0.649	0.665	0.520	<0.001	0_NK-like
TPST2	<0.001	0.647	0.281	0.116	<0.001	0_NK-like
PRKCH	<0.001	0.632	0.295	0.112	<0.001	0_NK-like
UBB	<0.001	0.628	0.898	0.748	<0.001	0_NK-like
LCK	<0.001	0.618	0.419	0.209	<0.001	0_NK-like
RNF213	<0.001	0.617	0.368	0.208	<0.001	0_NK-like
PCSK7	<0.001	0.611	0.414	0.274	<0.001	0_NK-like
WIPF1	<0.001	0.604	0.406	0.248	<0.001	0_NK-like
PSMB9	<0.001	0.603	0.501	0.356	<0.001	0_NK-like
PTPN7	<0.001	0.602	0.299	0.158	<0.001	0_NK-like
DUSP2	<0.001	0.600	0.408	0.205	<0.001	0_NK-like
CD53	<0.001	0.592	0.502	0.359	<0.001	0_NK-like
OSTF1	<0.001	0.590	0.382	0.248	<0.001	0_NK-like
MAP3K8	<0.001	0.589	0.312	0.183	<0.001	0_NK-like
CD63	<0.001	0.588	0.563	0.388	<0.001	0_NK-like
ARPC2	<0.001	0.585	0.802	0.690	<0.001	0_NK-like
FAM49B	<0.001	0.584	0.512	0.387	<0.001	0_NK-like
HLA-F	<0.001	0.583	0.420	0.265	<0.001	0_NK-like
DHRS7	<0.001	0.582	0.339	0.206	<0.001	0_NK-like
FYN	<0.001	0.576	0.322	0.157	<0.001	0_NK-like
PTPN4	<0.001	0.576	0.260	0.113	<0.001	0_NK-like
SKAP1	<0.001	0.574	0.274	0.111	<0.001	0_NK-like
RORA	<0.001	0.572	0.325	0.155	<0.001	0_NK-like
TRBC1	<0.001	0.570	0.498	0.220	<0.001	0_NK-like
AES	<0.001	0.565	0.561	0.430	<0.001	0_NK-like
PPP1R18	<0.001	0.561	0.328	0.183	<0.001	0_NK-like
AKNA	<0.001	0.559	0.289	0.143	<0.001	0_NK-like
TBC1D10C	<0.001	0.558	0.391	0.241	<0.001	0_NK-like
AC245297.3	<0.001	0.557	0.300	0.176	<0.001	0_NK-like
FLNA	<0.001	0.557	0.415	0.269	<0.001	0_NK-like
SYTL1	<0.001	0.554	0.290	0.162	<0.001	0_NK-like
DSTN	<0.001	0.549	0.401	0.300	<0.001	0_NK-like
CLEC2B	<0.001	0.548	0.427	0.283	<0.001	0_NK-like
CTSC	<0.001	0.547	0.339	0.214	<0.001	0_NK-like
ANXA6	<0.001	0.542	0.360	0.223	<0.001	0_NK-like
MBP	<0.001	0.539	0.306	0.188	<0.001	0_NK-like
PRMT2	<0.001	0.536	0.362	0.258	<0.001	0_NK-like
BTN3A2	<0.001	0.516	0.255	0.138	<0.001	0_NK-like
ATM	<0.001	0.515	0.348	0.239	<0.001	0_NK-like
DDX6	<0.001	0.513	0.368	0.287	<0.001	0_NK-like

SPN	<0.001	0.509	0.295	0.207	<0.001	0_NK-like
CCND3	<0.001	0.508	0.467	0.359	<0.001	0_NK-like
RNF166	<0.001	0.505	0.291	0.187	<0.001	0_NK-like
EIF3G	<0.001	0.502	0.525	0.492	<0.001	0_NK-like
S100A9	<0.001	2.251	1.000	0.262	<0.001	1_CD14.Mono1
S100A12	<0.001	2.211	0.955	0.129	<0.001	1_CD14.Mono1
S100A8	<0.001	2.059	1.000	0.243	<0.001	1_CD14.Mono1
VCAN	<0.001	1.820	0.816	0.115	<0.001	1_CD14.Mono1
FCN1	<0.001	1.765	0.910	0.159	<0.001	1_CD14.Mono1
LYZ	<0.001	1.686	0.981	0.271	<0.001	1_CD14.Mono1
CSTA	<0.001	1.549	0.854	0.168	<0.001	1_CD14.Mono1
MNDA	<0.001	1.548	0.706	0.138	<0.001	1_CD14.Mono1
CD14	<0.001	1.511	0.633	0.081	<0.001	1_CD14.Mono1
TYROBP	<0.001	1.442	0.975	0.336	<0.001	1_CD14.Mono1
NAMPT	<0.001	1.442	0.736	0.204	<0.001	1_CD14.Mono1
CTSS	<0.001	1.441	0.874	0.367	<0.001	1_CD14.Mono1
AC020656.1	<0.001	1.433	0.522	0.104	<0.001	1_CD14.Mono1
S100A6	<0.001	1.363	0.998	0.786	<0.001	1_CD14.Mono1
FOS	<0.001	1.340	0.902	0.511	<0.001	1_CD14.Mono1
S100A11	<0.001	1.340	0.845	0.318	<0.001	1_CD14.Mono1
TYMP	<0.001	1.300	0.759	0.249	<0.001	1_CD14.Mono1
LGALS1	<0.001	1.288	0.934	0.395	<0.001	1_CD14.Mono1
FTL	<0.001	1.250	0.996	0.965	<0.001	1_CD14.Mono1
LST1	<0.001	1.249	0.898	0.250	<0.001	1_CD14.Mono1
CST3	<0.001	1.240	0.913	0.296	<0.001	1_CD14.Mono1
SERPINA1	<0.001	1.205	0.619	0.106	<0.001	1_CD14.Mono1
NEAT1	<0.001	1.204	0.929	0.603	<0.001	1_CD14.Mono1
TSPO	<0.001	1.191	0.887	0.507	<0.001	1_CD14.Mono1
AIF1	<0.001	1.182	0.858	0.299	<0.001	1_CD14.Mono1
STXBP2	<0.001	1.179	0.678	0.268	<0.001	1_CD14.Mono1
FCER1G	<0.001	1.163	0.850	0.263	<0.001	1_CD14.Mono1
CTSD	<0.001	1.136	0.721	0.315	<0.001	1_CD14.Mono1
G0S2	<0.001	1.124	0.342	0.081	<0.001	1_CD14.Mono1
PSAP	<0.001	1.122	0.832	0.417	<0.001	1_CD14.Mono1
AP1S2	<0.001	1.117	0.668	0.270	<0.001	1_CD14.Mono1
MS4A6A	<0.001	1.111	0.561	0.111	<0.001	1_CD14.Mono1
S100A4	<0.001	1.110	0.985	0.743	<0.001	1_CD14.Mono1
PLAUR	<0.001	1.110	0.483	0.104	<0.001	1_CD14.Mono1
CLEC7A	<0.001	1.083	0.526	0.099	<0.001	1_CD14.Mono1
RBP7	<0.001	1.070	0.357	0.036	<0.001	1_CD14.Mono1
CYBB	<0.001	1.063	0.473	0.103	<0.001	1_CD14.Mono1
TNFSF13B	<0.001	1.055	0.485	0.124	<0.001	1_CD14.Mono1
DUSP1	<0.001	1.051	0.870	0.629	<0.001	1_CD14.Mono1

SAT1	<0.001	1.041	0.872	0.518	<0.001	1_CD14.Mono1
GRN	<0.001	1.041	0.580	0.199	<0.001	1_CD14.Mono1
MCL1	<0.001	1.037	0.731	0.375	<0.001	1_CD14.Mono1
RGS2	<0.001	1.035	0.634	0.258	<0.001	1_CD14.Mono1
PLBD1	<0.001	1.026	0.401	0.061	<0.001	1_CD14.Mono1
FGL2	<0.001	1.024	0.419	0.084	<0.001	1_CD14.Mono1
LGALS2	<0.001	1.022	0.394	0.073	<0.001	1_CD14.Mono1
SRGN	<0.001	1.022	0.971	0.696	<0.001	1_CD14.Mono1
CFD	<0.001	1.019	0.613	0.158	<0.001	1_CD14.Mono1
AC007952.4	<0.001	1.015	0.535	0.243	<0.001	1_CD14.Mono1
CSF3R	<0.001	1.011	0.422	0.085	<0.001	1_CD14.Mono1
SLC2A3	<0.001	0.997	0.550	0.230	<0.001	1_CD14.Mono1
GCA	<0.001	0.995	0.370	0.129	<0.001	1_CD14.Mono1
MAFB	<0.001	0.988	0.383	0.071	<0.001	1_CD14.Mono1
RAB31	<0.001	0.982	0.445	0.100	<0.001	1_CD14.Mono1
CFP	<0.001	0.973	0.501	0.116	<0.001	1_CD14.Mono1
TKT	<0.001	0.962	0.688	0.352	<0.001	1_CD14.Mono1
VIM	<0.001	0.961	0.926	0.622	<0.001	1_CD14.Mono1
FPR1	<0.001	0.949	0.319	0.042	<0.001	1_CD14.Mono1
CDA	<0.001	0.947	0.358	0.048	<0.001	1_CD14.Mono1
ASAH1	<0.001	0.942	0.596	0.270	<0.001	1_CD14.Mono1
KLF4	<0.001	0.942	0.424	0.102	<0.001	1_CD14.Mono1
APLP2	<0.001	0.941	0.560	0.251	<0.001	1_CD14.Mono1
AC245014.3	<0.001	0.933	0.435	0.223	<0.001	1_CD14.Mono1
MPEG1	<0.001	0.932	0.414	0.087	<0.001	1_CD14.Mono1
SPI1	<0.001	0.923	0.554	0.175	<0.001	1_CD14.Mono1
CEBPD	<0.001	0.921	0.452	0.122	<0.001	1_CD14.Mono1
CEBPB	<0.001	0.893	0.544	0.264	<0.001	1_CD14.Mono1
COTL1	<0.001	0.892	0.815	0.414	<0.001	1_CD14.Mono1
NCF1	<0.001	0.875	0.486	0.207	<0.001	1_CD14.Mono1
BRI3	<0.001	0.864	0.411	0.158	<0.001	1_CD14.Mono1
FTH1	<0.001	0.862	0.982	0.962	<0.001	1_CD14.Mono1
SLC11A1	<0.001	0.861	0.340	0.069	<0.001	1_CD14.Mono1
CD36	<0.001	0.859	0.461	0.143	<0.001	1_CD14.Mono1
C4orf48	<0.001	0.854	0.543	0.228	<0.001	1_CD14.Mono1
HIF1A	<0.001	0.850	0.444	0.199	<0.001	1_CD14.Mono1
MGST1	<0.001	0.844	0.414	0.110	<0.001	1_CD14.Mono1
DUSP6	<0.001	0.837	0.304	0.080	<0.001	1_CD14.Mono1
PYCARD	<0.001	0.829	0.567	0.252	<0.001	1_CD14.Mono1
CAPG	<0.001	0.826	0.453	0.155	<0.001	1_CD14.Mono1
CD68	<0.001	0.803	0.423	0.105	<0.001	1_CD14.Mono1
BCL2A1	<0.001	0.798	0.316	0.103	<0.001	1_CD14.Mono1
FCGRT	<0.001	0.798	0.515	0.234	<0.001	1_CD14.Mono1

BASP1	<0.001	0.798	0.266	0.067	<0.001	1_CD14.Mono1
ATP5MPL	<0.001	0.794	0.887	0.702	<0.001	1_CD14.Mono1
CYBA	<0.001	0.792	0.963	0.775	<0.001	1_CD14.Mono1
LILRA5	<0.001	0.791	0.293	0.050	<0.001	1_CD14.Mono1
RNF130	<0.001	0.787	0.450	0.191	<0.001	1_CD14.Mono1
TREM1	<0.001	0.786	0.302	0.045	<0.001	1_CD14.Mono1
VSIR	<0.001	0.785	0.577	0.293	<0.001	1_CD14.Mono1
IQGAP1	<0.001	0.785	0.593	0.324	<0.001	1_CD14.Mono1
METTL9	<0.001	0.782	0.534	0.309	<0.001	1_CD14.Mono1
GLUL	<0.001	0.779	0.459	0.234	<0.001	1_CD14.Mono1
TIMP1	<0.001	0.777	0.579	0.264	<0.001	1_CD14.Mono1
S100A10	<0.001	0.775	0.762	0.504	<0.001	1_CD14.Mono1
GAPDH	<0.001	0.771	0.951	0.813	<0.001	1_CD14.Mono1
C5AR1	<0.001	0.771	0.267	0.043	<0.001	1_CD14.Mono1
CD302	<0.001	0.766	0.359	0.097	<0.001	1_CD14.Mono1
RHOB	<0.001	0.765	0.343	0.118	<0.001	1_CD14.Mono1
LCP1	<0.001	0.764	0.643	0.394	<0.001	1_CD14.Mono1
CKAP4	<0.001	0.758	0.261	0.054	<0.001	1_CD14.Mono1
KCTD12	<0.001	0.758	0.313	0.061	<0.001	1_CD14.Mono1
NCF2	<0.001	0.758	0.296	0.058	<0.001	1_CD14.Mono1
ZFP36L1	<0.001	0.755	0.414	0.260	<0.001	1_CD14.Mono1
ATP6V0B	<0.001	0.752	0.607	0.378	<0.001	1_CD14.Mono1
ATP2B1-AS1	<0.001	0.749	0.430	0.168	<0.001	1_CD14.Mono1
KLF10	<0.001	0.749	0.354	0.148	<0.001	1_CD14.Mono1
TMEM107	<0.001	0.747	0.270	0.147	<0.001	1_CD14.Mono1
FOSL2	<0.001	0.747	0.392	0.133	<0.001	1_CD14.Mono1
LY96	<0.001	0.745	0.348	0.105	<0.001	1_CD14.Mono1
ANXA1	<0.001	0.742	0.739	0.440	<0.001	1_CD14.Mono1
PLSCR1	<0.001	0.742	0.360	0.159	<0.001	1_CD14.Mono1
GSTP1	<0.001	0.736	0.767	0.517	<0.001	1_CD14.Mono1
ITGAM	<0.001	0.725	0.292	0.059	<0.001	1_CD14.Mono1
AGTRAP	<0.001	0.725	0.389	0.164	<0.001	1_CD14.Mono1
PGD	<0.001	0.715	0.343	0.144	<0.001	1_CD14.Mono1
LAMTOR4	<0.001	0.713	0.741	0.545	<0.001	1_CD14.Mono1
QPCT	<0.001	0.712	0.252	0.035	<0.001	1_CD14.Mono1
KLF6	<0.001	0.704	0.722	0.491	<0.001	1_CD14.Mono1
NUP214	<0.001	0.703	0.339	0.115	<0.001	1_CD14.Mono1
MXD1	<0.001	0.695	0.284	0.098	<0.001	1_CD14.Mono1
ATP2B1	<0.001	0.692	0.387	0.197	<0.001	1_CD14.Mono1
OAZ1	<0.001	0.692	0.939	0.799	<0.001	1_CD14.Mono1
VMP1	<0.001	0.691	0.434	0.244	<0.001	1_CD14.Mono1
RNASE6	<0.001	0.678	0.365	0.116	<0.001	1_CD14.Mono1
SERPINB1	<0.001	0.676	0.531	0.309	<0.001	1_CD14.Mono1

NPC2	<0.001	0.672	0.624	0.365	<0.001	1_CD14.Mono1
ELOB	<0.001	0.672	0.822	0.657	<0.001	1_CD14.Mono1
ANXA5	<0.001	0.671	0.451	0.211	<0.001	1_CD14.Mono1
SGK1	<0.001	0.671	0.274	0.068	<0.001	1_CD14.Mono1
C1orf162	<0.001	0.667	0.501	0.252	<0.001	1_CD14.Mono1
ANXA2	<0.001	0.667	0.552	0.273	<0.001	1_CD14.Mono1
LGALS3	<0.001	0.667	0.373	0.153	<0.001	1_CD14.Mono1
JUND	<0.001	0.664	0.705	0.461	<0.001	1_CD14.Mono1
CLEC12A	<0.001	0.663	0.284	0.069	<0.001	1_CD14.Mono1
BST1	<0.001	0.662	0.253	0.049	<0.001	1_CD14.Mono1
EMP3	<0.001	0.657	0.825	0.628	<0.001	1_CD14.Mono1
SDCBP	<0.001	0.655	0.500	0.334	<0.001	1_CD14.Mono1
IRS2	<0.001	0.652	0.301	0.116	<0.001	1_CD14.Mono1
TALDO1	<0.001	0.649	0.526	0.327	<0.001	1_CD14.Mono1
ZFAND5	<0.001	0.648	0.408	0.221	<0.001	1_CD14.Mono1
LTA4H	<0.001	0.646	0.368	0.205	<0.001	1_CD14.Mono1
FKBP1A	<0.001	0.642	0.650	0.451	<0.001	1_CD14.Mono1
CTSZ	<0.001	0.642	0.320	0.126	<0.001	1_CD14.Mono1
CLEC4A	<0.001	0.639	0.264	0.058	<0.001	1_CD14.Mono1
STX11	<0.001	0.638	0.314	0.100	<0.001	1_CD14.Mono1
SOD2	<0.001	0.638	0.280	0.133	<0.001	1_CD14.Mono1
EVI2B	<0.001	0.636	0.572	0.382	<0.001	1_CD14.Mono1
CARD16	<0.001	0.629	0.411	0.235	<0.001	1_CD14.Mono1
ALOX5AP	<0.001	0.628	0.358	0.236	<0.001	1_CD14.Mono1
TIMP2	<0.001	0.626	0.252	0.056	<0.001	1_CD14.Mono1
RTN3	<0.001	0.625	0.357	0.196	<0.001	1_CD14.Mono1
FGR	<0.001	0.616	0.354	0.130	<0.001	1_CD14.Mono1
TGFBI	<0.001	0.615	0.269	0.064	<0.001	1_CD14.Mono1
SH3BGRL3	<0.001	0.611	0.928	0.787	<0.001	1_CD14.Mono1
AP2S1	<0.001	0.610	0.577	0.373	<0.001	1_CD14.Mono1
C19orf38	<0.001	0.610	0.253	0.062	<0.001	1_CD14.Mono1
IVNS1ABP	<0.001	0.604	0.266	0.124	<0.001	1_CD14.Mono1
GLIPR1	<0.001	0.601	0.399	0.193	<0.001	1_CD14.Mono1
SCPEP1	<0.001	0.601	0.329	0.158	<0.001	1_CD14.Mono1
GNAI2	<0.001	0.599	0.433	0.262	<0.001	1_CD14.Mono1
GLIPR2	<0.001	0.598	0.354	0.180	<0.001	1_CD14.Mono1
IFI30	<0.001	0.597	0.274	0.071	<0.001	1_CD14.Mono1
JAML	<0.001	0.592	0.294	0.114	<0.001	1_CD14.Mono1
DAZAP2	<0.001	0.592	0.671	0.527	<0.001	1_CD14.Mono1
SELL	<0.001	0.591	0.524	0.333	<0.001	1_CD14.Mono1
PTPRE	<0.001	0.589	0.348	0.150	<0.001	1_CD14.Mono1
CNPY3	<0.001	0.588	0.446	0.275	<0.001	1_CD14.Mono1
NINJ1	<0.001	0.587	0.315	0.129	<0.001	1_CD14.Mono1

LY86	<0.001	0.585	0.345	0.128	<0.001	1_CD14.Mono1
CTSH	<0.001	0.581	0.315	0.114	<0.001	1_CD14.Mono1
LYN	<0.001	0.579	0.384	0.190	<0.001	1_CD14.Mono1
SLC7A7	<0.001	0.578	0.256	0.053	<0.001	1_CD14.Mono1
TMEM167A	<0.001	0.577	0.368	0.222	<0.001	1_CD14.Mono1
FOSB	<0.001	0.573	0.449	0.296	<0.001	1_CD14.Mono1
CKLF	<0.001	0.570	0.414	0.291	<0.001	1_CD14.Mono1
MIDN	<0.001	0.566	0.325	0.157	<0.001	1_CD14.Mono1
FBXL5	<0.001	0.562	0.305	0.152	<0.001	1_CD14.Mono1
PGAM1	<0.001	0.561	0.471	0.324	<0.001	1_CD14.Mono1
ACTB	<0.001	0.561	0.999	0.980	<0.001	1_CD14.Mono1
CXCL8	<0.001	0.560	0.289	0.073	<0.001	1_CD14.Mono1
CTSB	<0.001	0.552	0.323	0.171	<0.001	1_CD14.Mono1
UPP1	<0.001	0.551	0.310	0.137	<0.001	1_CD14.Mono1
IRF2BP2	<0.001	0.550	0.391	0.279	<0.001	1_CD14.Mono1
MARCKS	<0.001	0.546	0.259	0.095	<0.001	1_CD14.Mono1
RAC1	<0.001	0.546	0.590	0.438	<0.001	1_CD14.Mono1
CASP1	<0.001	0.541	0.327	0.151	<0.001	1_CD14.Mono1
QKI	<0.001	0.540	0.273	0.125	<0.001	1_CD14.Mono1
PCBP1	<0.001	0.533	0.604	0.472	<0.001	1_CD14.Mono1
CD44	<0.001	0.532	0.611	0.484	<0.001	1_CD14.Mono1
CPVL	<0.001	0.528	0.277	0.123	<0.001	1_CD14.Mono1
RNASE2	<0.001	0.528	0.264	0.073	<0.001	1_CD14.Mono1
CHP1	<0.001	0.527	0.305	0.150	<0.001	1_CD14.Mono1
RAB11FIP1	<0.001	0.521	0.287	0.148	<0.001	1_CD14.Mono1
AC103591.3	<0.001	0.520	0.315	0.217	<0.001	1_CD14.Mono1
ARRB2	<0.001	0.520	0.384	0.226	<0.001	1_CD14.Mono1
ATP5F1E	<0.001	0.517	0.960	0.913	<0.001	1_CD14.Mono1
SAMSN1	<0.001	0.517	0.300	0.169	<0.001	1_CD14.Mono1
NDUFB1	<0.001	0.514	0.597	0.460	<0.001	1_CD14.Mono1
PGLS	<0.001	0.513	0.439	0.306	<0.001	1_CD14.Mono1
H3F3A	<0.001	0.512	0.954	0.882	<0.001	1_CD14.Mono1
PKM	<0.001	0.510	0.505	0.338	<0.001	1_CD14.Mono1
ATP6V0D1	<0.001	0.508	0.318	0.197	<0.001	1_CD14.Mono1
TPP1	<0.001	0.507	0.309	0.164	<0.001	1_CD14.Mono1
CMTM6	<0.001	0.505	0.413	0.267	<0.001	1_CD14.Mono1
GPCPD1	<0.001	0.505	0.275	0.128	<0.001	1_CD14.Mono1
CD55	<0.001	0.500	0.353	0.231	<0.001	1_CD14.Mono1
IFI6	<0.001	0.554	0.251	0.179	<0.001	1_CD14.Mono1
LTB	<0.001	0.914	0.925	0.330	<0.001	2_CD4.T_{nai}
SARAF	<0.001	0.817	0.968	0.687	<0.001	2_CD4.T_{nai}
NOSIP	<0.001	0.810	0.619	0.275	<0.001	2_CD4.T_{nai}

PIK3IP1	<0.001	0.794	0.594	0.179	<0.001	2_CD4.T_{nai}
IL7R	<0.001	0.794	0.618	0.166	<0.001	2_CD4.T_{nai}
CCR7	<0.001	0.752	0.392	0.067	<0.001	2_CD4.T_{nai}
LEPROTL1	<0.001	0.746	0.755	0.361	<0.001	2_CD4.T_{nai}
MAL	<0.001	0.731	0.373	0.067	<0.001	2_CD4.T_{nai}
TRAC	<0.001	0.727	0.771	0.269	<0.001	2_CD4.T_{nai}
LEF1	<0.001	0.701	0.387	0.084	<0.001	2_CD4.T_{nai}
TRBC1	<0.001	0.685	0.537	0.219	<0.001	2_CD4.T_{nai}
CD3E	<0.001	0.664	0.763	0.281	<0.001	2_CD4.T_{nai}
FHIT	<0.001	0.633	0.308	0.081	<0.001	2_CD4.T_{nai}
EIF3E	<0.001	0.625	0.967	0.713	<0.001	2_CD4.T_{nai}
NOP53	<0.001	0.619	0.963	0.716	<0.001	2_CD4.T_{nai}
C6orf48	<0.001	0.615	0.748	0.436	<0.001	2_CD4.T_{nai}
LDHB	<0.001	0.610	0.857	0.495	<0.001	2_CD4.T_{nai}
CD3D	<0.001	0.606	0.814	0.290	<0.001	2_CD4.T_{nai}
TCF7	<0.001	0.565	0.425	0.158	<0.001	2_CD4.T_{nai}
TOMM7	<0.001	0.564	0.984	0.827	<0.001	2_CD4.T_{nai}
CD27	<0.001	0.564	0.385	0.109	<0.001	2_CD4.T_{nai}
JUNB	<0.001	0.543	0.916	0.689	<0.001	2_CD4.T_{nai}
RCAN3	<0.001	0.541	0.315	0.086	<0.001	2_CD4.T_{nai}
EEF1B2	<0.001	0.522	0.991	0.791	<0.001	2_CD4.T_{nai}
GZMK	<0.001	1.857	0.514	0.039	<0.001	3_CD8.T_{eff}1
CCL4	<0.001	1.699	0.496	0.111	<0.001	3_CD8.T_{eff}1
CCL5	<0.001	1.666	0.974	0.208	<0.001	3_CD8.T_{eff}1
RGS1	<0.001	1.589	0.457	0.093	<0.001	3_CD8.T_{eff}1
DUSP2	<0.001	1.582	0.721	0.183	<0.001	3_CD8.T_{eff}1
CMC1	<0.001	1.453	0.552	0.173	<0.001	3_CD8.T_{eff}1
IL32	<0.001	1.272	0.883	0.342	<0.001	3_CD8.T_{eff}1
CD8A	<0.001	1.245	0.510	0.080	<0.001	3_CD8.T_{eff}1
GZMA	<0.001	1.197	0.694	0.159	<0.001	3_CD8.T_{eff}1
CD3D	<0.001	1.160	0.830	0.296	<0.001	3_CD8.T_{eff}1
CST7	<0.001	1.108	0.778	0.201	<0.001	3_CD8.T_{eff}1
CD8B	<0.001	1.099	0.458	0.082	<0.001	3_CD8.T_{eff}1
TRAC	<0.001	1.090	0.745	0.278	<0.001	3_CD8.T_{eff}1
GZMH	<0.001	1.071	0.430	0.120	<0.001	3_CD8.T_{eff}1
CXCR4	<0.001	0.954	0.881	0.569	<0.001	3_CD8.T_{eff}1

PIK3R1	<0.001	0.949	0.518	0.227	<0.001	3_CD8.T_{eff}1
TRBC2	<0.001	0.948	0.611	0.279	<0.001	3_CD8.T_{eff}1
CD3E	<0.001	0.946	0.742	0.289	<0.001	3_CD8.T_{eff}1
TRBC1	<0.001	0.938	0.520	0.225	<0.001	3_CD8.T_{eff}1
LYAR	<0.001	0.932	0.532	0.204	<0.001	3_CD8.T_{eff}1
NKG7	<0.001	0.931	0.832	0.267	<0.001	3_CD8.T_{eff}1
TRGC2	<0.001	0.923	0.307	0.053	<0.001	3_CD8.T_{eff}1
GZMM	<0.001	0.891	0.604	0.192	<0.001	3_CD8.T_{eff}1
TUBA4A	<0.001	0.835	0.417	0.189	<0.001	3_CD8.T_{eff}1
CTSW	<0.001	0.824	0.668	0.250	<0.001	3_CD8.T_{eff}1
CD3G	<0.001	0.816	0.494	0.182	<0.001	3_CD8.T_{eff}1
CD69	<0.001	0.810	0.558	0.269	<0.001	3_CD8.T_{eff}1
CD2	<0.001	0.771	0.482	0.196	<0.001	3_CD8.T_{eff}1
HCST	<0.001	0.763	0.872	0.564	<0.001	3_CD8.T_{eff}1
KLRG1	<0.001	0.752	0.292	0.063	<0.001	3_CD8.T_{eff}1
HLA-A	<0.001	0.751	0.994	0.905	<0.001	3_CD8.T_{eff}1
SRSF7	<0.001	0.741	0.663	0.459	<0.001	3_CD8.T_{eff}1
HLA-C	<0.001	0.729	0.988	0.887	<0.001	3_CD8.T_{eff}1
PPP2R5C	<0.001	0.691	0.588	0.354	<0.001	3_CD8.T_{eff}1
JUN	<0.001	0.684	0.776	0.602	<0.001	3_CD8.T_{eff}1
LINC01871	<0.001	0.682	0.293	0.073	<0.001	3_CD8.T_{eff}1
LCK	<0.001	0.671	0.472	0.209	<0.001	3_CD8.T_{eff}1
RARRES3	<0.001	0.668	0.543	0.308	<0.001	3_CD8.T_{eff}1
HLA-B	<0.001	0.667	0.996	0.932	<0.001	3_CD8.T_{eff}1
ITM2A	<0.001	0.659	0.373	0.198	<0.001	3_CD8.T_{eff}1
FYN	<0.001	0.658	0.383	0.156	<0.001	3_CD8.T_{eff}1
BTG1	<0.001	0.648	0.953	0.804	<0.001	3_CD8.T_{eff}1
TSPYL2	<0.001	0.641	0.251	0.107	<0.001	3_CD8.T_{eff}1
TNFAIP3	<0.001	0.639	0.390	0.196	<0.001	3_CD8.T_{eff}1
NR4A2	<0.001	0.628	0.326	0.167	<0.001	3_CD8.T_{eff}1
ZFP36L2	<0.001	0.625	0.771	0.601	<0.001	3_CD8.T_{eff}1
KLRD1	<0.001	0.608	0.378	0.121	<0.001	3_CD8.T_{eff}1
DNAJB1	<0.001	0.605	0.381	0.224	<0.001	3_CD8.T_{eff}1
SYTL3	<0.001	0.587	0.278	0.092	<0.001	3_CD8.T_{eff}1
B2M	<0.001	0.586	1.000	0.993	<0.001	3_CD8.T_{eff}1
PTPRC	<0.001	0.585	0.739	0.537	<0.001	3_CD8.T_{eff}1

SELENOK	<0.001	0.574	0.524	0.386	<0.001	3_CD8.T_{eff}1
CALM1	<0.001	0.570	0.798	0.646	<0.001	3_CD8.T_{eff}1
STK17A	<0.001	0.570	0.381	0.219	<0.001	3_CD8.T_{eff}1
CD99	<0.001	0.567	0.660	0.462	<0.001	3_CD8.T_{eff}1
PYHIN1	<0.001	0.565	0.266	0.077	<0.001	3_CD8.T_{eff}1
MT2A	<0.001	0.563	0.480	0.339	<0.001	3_CD8.T_{eff}1
CLEC2B	<0.001	0.558	0.461	0.284	<0.001	3_CD8.T_{eff}1
LEPROTL1	<0.001	0.553	0.557	0.383	<0.001	3_CD8.T_{eff}1
CLEC2D	<0.001	0.540	0.419	0.227	<0.001	3_CD8.T_{eff}1
CREM	<0.001	0.538	0.257	0.132	<0.001	3_CD8.T_{eff}1
RUNX3	<0.001	0.533	0.294	0.118	<0.001	3_CD8.T_{eff}1
C12orf75	<0.001	0.531	0.413	0.200	<0.001	3_CD8.T_{eff}1
PTPN7	<0.001	0.531	0.299	0.161	<0.001	3_CD8.T_{eff}1
DDX24	<0.001	0.517	0.454	0.339	<0.001	3_CD8.T_{eff}1
RNF125	<0.001	0.513	0.308	0.157	<0.001	3_CD8.T_{eff}1
TSC22D3	<0.001	0.512	0.737	0.590	<0.001	3_CD8.T_{eff}1
FGFBP2	<0.001	0.507	0.264	0.123	<0.001	3_CD8.T_{eff}1
YPEL5	<0.001	0.506	0.501	0.432	<0.001	3_CD8.T_{eff}1
IRF1	<0.001	0.504	0.457	0.310	<0.001	3_CD8.T_{eff}1
IL2RG	<0.001	0.502	0.423	0.263	<0.001	3_CD8.T_{eff}1
CDC42SE2	<0.001	0.501	0.475	0.343	<0.001	3_CD8.T_{eff}1
EIF1	<0.001	0.500	0.994	0.967	<0.001	3_CD8.T_{eff}1
LTB	<0.001	1.264	0.905	0.342	<0.001	4_CD4.T_{CM}
IL7R	<0.001	1.218	0.714	0.165	<0.001	4_CD4.T_{CM}
TRAC	<0.001	0.948	0.808	0.274	<0.001	4_CD4.T_{CM}
IL32	<0.001	0.898	0.873	0.344	<0.001	4_CD4.T_{CM}
JUNB	<0.001	0.873	0.944	0.690	<0.001	4_CD4.T_{CM}
TRBC2	<0.001	0.747	0.629	0.279	<0.001	4_CD4.T_{CM}
CD3D	<0.001	0.726	0.831	0.297	<0.001	4_CD4.T_{CM}
KLRB1	<0.001	0.701	0.462	0.147	<0.001	4_CD4.T_{CM}
CD2	<0.001	0.689	0.575	0.189	<0.001	4_CD4.T_{CM}
CD3E	<0.001	0.650	0.771	0.288	<0.001	4_CD4.T_{CM}
ZFP36L2	<0.001	0.630	0.871	0.593	<0.001	4_CD4.T_{CM}
LEPROTL1	<0.001	0.615	0.711	0.371	<0.001	4_CD4.T_{CM}
TNFAIP3	<0.001	0.612	0.488	0.189	<0.001	4_CD4.T_{CM}
AQP3	<0.001	0.606	0.283	0.054	<0.001	4_CD4.T_{CM}

SARAF	<0.001	0.583	0.939	0.694	<0.001	4_CD4.T_{CM}
CORO1B	<0.001	0.581	0.364	0.141	<0.001	4_CD4.T_{CM}
MAL	<0.001	0.578	0.324	0.076	<0.001	4_CD4.T_{CM}
TRBC1	<0.001	0.577	0.504	0.227	<0.001	4_CD4.T_{CM}
ITM2A	<0.001	0.571	0.445	0.193	<0.001	4_CD4.T_{CM}
RORA	<0.001	0.570	0.456	0.150	<0.001	4_CD4.T_{CM}
CD69	<0.001	0.564	0.584	0.268	<0.001	4_CD4.T_{CM}
CD3G	<0.001	0.555	0.512	0.181	<0.001	4_CD4.T_{CM}
GSTK1	<0.001	0.541	0.670	0.424	<0.001	4_CD4.T_{CM}
LDHB	<0.001	0.540	0.827	0.504	<0.001	4_CD4.T_{CM}
GPR183	<0.001	0.535	0.413	0.152	<0.001	4_CD4.T_{CM}
ITGB1	<0.001	0.535	0.460	0.254	<0.001	4_CD4.T_{CM}
FXYD5	<0.001	0.534	0.876	0.615	<0.001	4_CD4.T_{CM}
CD52	<0.001	0.527	0.950	0.682	<0.001	4_CD4.T_{CM}
SPOCK2	<0.001	0.525	0.403	0.126	<0.001	4_CD4.T_{CM}
NOSIP	<0.001	0.521	0.506	0.290	<0.001	4_CD4.T_{CM}
CD8B	<0.001	1.285	0.712	0.080	<0.001	5_CD8.T_{nai}
LINC02446	<0.001	0.924	0.373	0.015	<0.001	5_CD8.T_{nai}
NOSIP	<0.001	0.806	0.636	0.289	<0.001	5_CD8.T_{nai}
PIK3IP1	<0.001	0.771	0.618	0.196	<0.001	5_CD8.T_{nai}
CCR7	<0.001	0.757	0.421	0.079	<0.001	5_CD8.T_{nai}
TRAC	<0.001	0.677	0.768	0.290	<0.001	5_CD8.T_{nai}
CD3D	<0.001	0.663	0.847	0.311	<0.001	5_CD8.T_{nai}
LEPROTL1	<0.001	0.655	0.757	0.378	<0.001	5_CD8.T_{nai}
CD3E	<0.001	0.644	0.777	0.301	<0.001	5_CD8.T_{nai}
LEF1	<0.001	0.633	0.390	0.097	<0.001	5_CD8.T_{nai}
CD27	<0.001	0.617	0.427	0.118	<0.001	5_CD8.T_{nai}
NELL2	<0.001	0.607	0.290	0.034	<0.001	5_CD8.T_{nai}
RGS10	<0.001	0.600	0.624	0.310	<0.001	5_CD8.T_{nai}
SARAF	<0.001	0.594	0.954	0.700	<0.001	5_CD8.T_{nai}
CD8A	<0.001	0.570	0.452	0.096	<0.001	5_CD8.T_{nai}
IL7R	<0.001	0.562	0.567	0.188	<0.001	5_CD8.T_{nai}
EIF3E	<0.001	0.559	0.966	0.724	<0.001	5_CD8.T_{nai}
C6orf48	<0.001	0.555	0.758	0.449	<0.001	5_CD8.T_{nai}
MGAT4A	<0.001	0.542	0.489	0.197	<0.001	5_CD8.T_{nai}
CD7	<0.001	0.539	0.727	0.269	<0.001	5_CD8.T_{nai}

LDHB	<0.001	0.534	0.854	0.511	<0.001	5_CD8.T_{nai}
SNHG8	<0.001	0.529	0.704	0.434	<0.001	5_CD8.T_{nai}
EEF1B2	<0.001	0.514	0.992	0.799	<0.001	5_CD8.T_{nai}
SH3YL1	<0.001	0.509	0.300	0.091	<0.001	5_CD8.T_{nai}
HBB	<0.001	3.329	0.988	0.321	<0.001	6_Eryth.1
HBA1	<0.001	3.176	0.973	0.168	<0.001	6_Eryth.1
HBA2	<0.001	3.158	0.936	0.149	<0.001	6_Eryth.1
AHSP	<0.001	3.125	0.983	0.046	<0.001	6_Eryth.1
CA1	<0.001	3.106	0.918	0.042	<0.001	6_Eryth.1
HBD	<0.001	2.963	0.971	0.046	<0.001	6_Eryth.1
HBM	<0.001	2.747	0.634	0.020	<0.001	6_Eryth.1
PRDX2	<0.001	2.582	0.990	0.285	<0.001	6_Eryth.1
BLVRB	<0.001	2.314	0.985	0.194	<0.001	6_Eryth.1
CA2	<0.001	2.110	0.949	0.035	<0.001	6_Eryth.1
HIST1H4C	<0.001	1.957	0.922	0.176	<0.001	6_Eryth.1
GYPA	<0.001	1.876	0.856	0.015	<0.001	6_Eryth.1
FAM178B	<0.001	1.797	0.851	0.019	<0.001	6_Eryth.1
TMEM14C	<0.001	1.710	0.964	0.177	<0.001	6_Eryth.1
ALAS2	<0.001	1.662	0.849	0.014	<0.001	6_Eryth.1
SLC25A37	<0.001	1.647	0.938	0.118	<0.001	6_Eryth.1
ATP5IF1	<0.001	1.615	0.988	0.430	<0.001	6_Eryth.1
TUBB	<0.001	1.607	0.982	0.288	<0.001	6_Eryth.1
TUBA1B	<0.001	1.599	0.988	0.390	<0.001	6_Eryth.1
HMBS	<0.001	1.588	0.957	0.052	<0.001	6_Eryth.1
UROD	<0.001	1.584	0.976	0.109	<0.001	6_Eryth.1
PCLAF	<0.001	1.550	0.960	0.093	<0.001	6_Eryth.1
HEMGN	<0.001	1.498	0.774	0.025	<0.001	6_Eryth.1
GYPB	<0.001	1.438	0.713	0.011	<0.001	6_Eryth.1
APOC1	<0.001	1.419	0.830	0.023	<0.001	6_Eryth.1
SLC4A1	<0.001	1.419	0.593	0.009	<0.001	6_Eryth.1
NME4	<0.001	1.402	0.963	0.133	<0.001	6_Eryth.1
SYNGR1	<0.001	1.386	0.894	0.107	<0.001	6_Eryth.1
HMGA1	<0.001	1.373	0.936	0.213	<0.001	6_Eryth.1
KLF1	<0.001	1.357	0.932	0.019	<0.001	6_Eryth.1
MPC2	<0.001	1.354	0.963	0.202	<0.001	6_Eryth.1
REXO2	<0.001	1.345	0.897	0.128	<0.001	6_Eryth.1
HSP90AA1	<0.001	1.314	0.986	0.619	<0.001	6_Eryth.1
MYL4	<0.001	1.309	0.917	0.020	<0.001	6_Eryth.1
HSPD1	<0.001	1.306	0.916	0.206	<0.001	6_Eryth.1
KCNH2	<0.001	1.285	0.882	0.014	<0.001	6_Eryth.1
TMEM14B	<0.001	1.280	0.971	0.275	<0.001	6_Eryth.1
GYPC	<0.001	1.276	0.984	0.398	<0.001	6_Eryth.1

PCNA	<0.001	1.263	0.941	0.121	<0.001	6_Eryth.1
TUBB4B	<0.001	1.228	0.940	0.171	<0.001	6_Eryth.1
SMIM1	<0.001	1.211	0.953	0.027	<0.001	6_Eryth.1
RAN	<0.001	1.199	0.974	0.395	<0.001	6_Eryth.1
GLRX5	<0.001	1.198	0.951	0.120	<0.001	6_Eryth.1
CKS2	<0.001	1.188	0.923	0.088	<0.001	6_Eryth.1
SNCA	<0.001	1.174	0.934	0.054	<0.001	6_Eryth.1
UBAC1	<0.001	1.157	0.936	0.069	<0.001	6_Eryth.1
CD36	<0.001	1.147	0.955	0.137	<0.001	6_Eryth.1
TYMS	<0.001	1.146	0.930	0.070	<0.001	6_Eryth.1
DUT	<0.001	1.125	0.956	0.294	<0.001	6_Eryth.1
METAP2	<0.001	1.122	0.960	0.223	<0.001	6_Eryth.1
HEBP1	<0.001	1.121	0.935	0.081	<0.001	6_Eryth.1
TFRC	<0.001	1.113	0.924	0.087	<0.001	6_Eryth.1
RHAG	<0.001	1.102	0.902	0.009	<0.001	6_Eryth.1
SLC25A39	<0.001	1.100	0.959	0.159	<0.001	6_Eryth.1
HMGB1	<0.001	1.098	0.994	0.761	<0.001	6_Eryth.1
FECH	<0.001	1.083	0.929	0.039	<0.001	6_Eryth.1
HNRNPAB	<0.001	1.076	0.940	0.142	<0.001	6_Eryth.1
MGST3	<0.001	1.073	0.913	0.233	<0.001	6_Eryth.1
CCT6A	<0.001	1.067	0.931	0.193	<0.001	6_Eryth.1
CAT	<0.001	1.066	0.964	0.196	<0.001	6_Eryth.1
HMGB2	<0.001	1.056	0.988	0.576	<0.001	6_Eryth.1
AKR1C3	<0.001	1.021	0.812	0.055	<0.001	6_Eryth.1
IFI27	<0.001	1.019	0.452	0.027	<0.001	6_Eryth.1
CENPF	<0.001	1.013	0.882	0.040	<0.001	6_Eryth.1
PTTG1	<0.001	1.005	0.887	0.086	<0.001	6_Eryth.1
RANBP1	<0.001	1.000	0.951	0.301	<0.001	6_Eryth.1
PA2G4	<0.001	0.998	0.959	0.312	<0.001	6_Eryth.1
EPCAM	<0.001	0.997	0.780	0.013	<0.001	6_Eryth.1
MCM7	<0.001	0.994	0.921	0.094	<0.001	6_Eryth.1
TFDP1	<0.001	0.987	0.961	0.146	<0.001	6_Eryth.1
YBX1	<0.001	0.979	0.990	0.776	<0.001	6_Eryth.1
H2AFZ	<0.001	0.978	0.971	0.416	<0.001	6_Eryth.1
GATA1	<0.001	0.972	0.910	0.018	<0.001	6_Eryth.1
ANP32B	<0.001	0.958	0.981	0.457	<0.001	6_Eryth.1
CCT2	<0.001	0.956	0.933	0.180	<0.001	6_Eryth.1
OAT	<0.001	0.955	0.928	0.105	<0.001	6_Eryth.1
MINPP1	<0.001	0.948	0.876	0.028	<0.001	6_Eryth.1
NFIA	<0.001	0.946	0.895	0.028	<0.001	6_Eryth.1
DNAJC9	<0.001	0.944	0.934	0.106	<0.001	6_Eryth.1
UROS	<0.001	0.940	0.942	0.127	<0.001	6_Eryth.1
LMNA	<0.001	0.934	0.902	0.095	<0.001	6_Eryth.1

SERBP1	<0.001	0.932	0.956	0.380	<0.001	6_Eryth.1
H1F0	<0.001	0.931	0.828	0.061	<0.001	6_Eryth.1
EIF1AY	<0.001	0.928	0.629	0.120	<0.001	6_Eryth.1
BSG	<0.001	0.927	0.974	0.307	<0.001	6_Eryth.1
AC084033.3	<0.001	0.924	0.855	0.102	<0.001	6_Eryth.1
HBQ1	<0.001	0.922	0.900	0.015	<0.001	6_Eryth.1
BIRC5	<0.001	0.917	0.845	0.046	<0.001	6_Eryth.1
IDH2	<0.001	0.915	0.949	0.196	<0.001	6_Eryth.1
RPA3	<0.001	0.912	0.947	0.166	<0.001	6_Eryth.1
TOP2A	<0.001	0.911	0.787	0.039	<0.001	6_Eryth.1
TPGS2	<0.001	0.905	0.918	0.106	<0.001	6_Eryth.1
FBXO7	<0.001	0.904	0.958	0.189	<0.001	6_Eryth.1
CDK4	<0.001	0.900	0.863	0.096	<0.001	6_Eryth.1
CENPU	<0.001	0.898	0.904	0.052	<0.001	6_Eryth.1
VDAC3	<0.001	0.893	0.935	0.178	<0.001	6_Eryth.1
ALDH1A1	<0.001	0.891	0.812	0.049	<0.001	6_Eryth.1
HMGN5	<0.001	0.887	0.877	0.047	<0.001	6_Eryth.1
FAM210B	<0.001	0.882	0.903	0.052	<0.001	6_Eryth.1
SLIRP	<0.001	0.882	0.937	0.243	<0.001	6_Eryth.1
ATP5MC1	<0.001	0.877	0.914	0.270	<0.001	6_Eryth.1
NASP	<0.001	0.871	0.914	0.176	<0.001	6_Eryth.1
HSP90AB1	<0.001	0.866	0.946	0.517	<0.001	6_Eryth.1
HSPE1	<0.001	0.863	0.923	0.322	<0.001	6_Eryth.1
SELENBP1	<0.001	0.862	0.764	0.010	<0.001	6_Eryth.1
CCNB2	<0.001	0.856	0.829	0.033	<0.001	6_Eryth.1
TMEM56	<0.001	0.835	0.818	0.008	<0.001	6_Eryth.1
NCL	<0.001	0.828	0.945	0.438	<0.001	6_Eryth.1
TUBG1	<0.001	0.827	0.846	0.030	<0.001	6_Eryth.1
CDC20	<0.001	0.826	0.695	0.025	<0.001	6_Eryth.1
RFESD	<0.001	0.824	0.860	0.016	<0.001	6_Eryth.1
TSPAN17	<0.001	0.817	0.850	0.043	<0.001	6_Eryth.1
HSPA8	<0.001	0.815	0.952	0.467	<0.001	6_Eryth.1
SPTA1	<0.001	0.813	0.848	0.009	<0.001	6_Eryth.1
FKBP4	<0.001	0.809	0.824	0.071	<0.001	6_Eryth.1
GFI1B	<0.001	0.808	0.815	0.014	<0.001	6_Eryth.1
CKS1B	<0.001	0.800	0.875	0.097	<0.001	6_Eryth.1
STRADB	<0.001	0.798	0.897	0.053	<0.001	6_Eryth.1
ANK1	<0.001	0.796	0.852	0.013	<0.001	6_Eryth.1
NUSAP1	<0.001	0.794	0.790	0.047	<0.001	6_Eryth.1
SRI	<0.001	0.794	0.948	0.248	<0.001	6_Eryth.1
ATP5MC3	<0.001	0.793	0.954	0.422	<0.001	6_Eryth.1
CCNB1	<0.001	0.793	0.690	0.027	<0.001	6_Eryth.1
PAICS	<0.001	0.793	0.842	0.080	<0.001	6_Eryth.1

TUBA1C	<0.001	0.787	0.846	0.105	<0.001	6_Eryth.1
BOLA3	<0.001	0.787	0.924	0.108	<0.001	6_Eryth.1
DHFR	<0.001	0.786	0.873	0.054	<0.001	6_Eryth.1
RAD23A	<0.001	0.784	0.956	0.236	<0.001	6_Eryth.1
TFR2	<0.001	0.784	0.853	0.015	<0.001	6_Eryth.1
STMN1	<0.001	0.782	0.931	0.196	<0.001	6_Eryth.1
EPB42	<0.001	0.782	0.749	0.008	<0.001	6_Eryth.1
TUBB2A	<0.001	0.781	0.777	0.031	<0.001	6_Eryth.1
MBOAT2	<0.001	0.779	0.872	0.025	<0.001	6_Eryth.1
YWHAE	<0.001	0.779	0.943	0.257	<0.001	6_Eryth.1
MPST	<0.001	0.778	0.905	0.116	<0.001	6_Eryth.1
EIF3A	<0.001	0.775	0.928	0.257	<0.001	6_Eryth.1
HIST1H1D	<0.001	0.773	0.651	0.074	<0.001	6_Eryth.1
SNRPG	<0.001	0.768	0.963	0.370	<0.001	6_Eryth.1
NME1	<0.001	0.768	0.839	0.153	<0.001	6_Eryth.1
C1QBP	<0.001	0.766	0.892	0.286	<0.001	6_Eryth.1
TK1	<0.001	0.761	0.818	0.042	<0.001	6_Eryth.1
SNRPE	<0.001	0.758	0.934	0.368	<0.001	6_Eryth.1
CNRIP1	<0.001	0.755	0.765	0.014	<0.001	6_Eryth.1
CDK1	<0.001	0.754	0.714	0.031	<0.001	6_Eryth.1
SOD1	<0.001	0.754	0.975	0.464	<0.001	6_Eryth.1
SNRPD1	<0.001	0.754	0.945	0.336	<0.001	6_Eryth.1
ATP5F1A	<0.001	0.751	0.939	0.348	<0.001	6_Eryth.1
GMNN	<0.001	0.749	0.861	0.049	<0.001	6_Eryth.1
EPOR	<0.001	0.747	0.854	0.020	<0.001	6_Eryth.1
TIMM13	<0.001	0.746	0.892	0.234	<0.001	6_Eryth.1
NARF	<0.001	0.746	0.924	0.124	<0.001	6_Eryth.1
PRDX3	<0.001	0.745	0.911	0.154	<0.001	6_Eryth.1
SMC4	<0.001	0.743	0.904	0.099	<0.001	6_Eryth.1
SMC2	<0.001	0.737	0.876	0.063	<0.001	6_Eryth.1
ALAD	<0.001	0.736	0.848	0.038	<0.001	6_Eryth.1
MKI67	<0.001	0.735	0.777	0.039	<0.001	6_Eryth.1
TAF9	<0.001	0.732	0.887	0.176	<0.001	6_Eryth.1
UBE2T	<0.001	0.731	0.842	0.034	<0.001	6_Eryth.1
TCP1	<0.001	0.727	0.911	0.176	<0.001	6_Eryth.1
CD59	<0.001	0.726	0.877	0.084	<0.001	6_Eryth.1
RRM2	<0.001	0.726	0.750	0.032	<0.001	6_Eryth.1
PARVB	<0.001	0.725	0.882	0.075	<0.001	6_Eryth.1
DEK	<0.001	0.723	0.964	0.299	<0.001	6_Eryth.1
MCM5	<0.001	0.718	0.856	0.083	<0.001	6_Eryth.1
PSMB5	<0.001	0.716	0.862	0.093	<0.001	6_Eryth.1
DYNLL1	<0.001	0.714	0.947	0.282	<0.001	6_Eryth.1
CENPW	<0.001	0.713	0.882	0.064	<0.001	6_Eryth.1

NOP10	<0.001	0.711	0.939	0.347	<0.001	6_Eryth.1
EIF5A	<0.001	0.711	0.962	0.453	<0.001	6_Eryth.1
MPP1	<0.001	0.710	0.900	0.090	<0.001	6_Eryth.1
ISOC2	<0.001	0.709	0.812	0.079	<0.001	6_Eryth.1
GADD45GIP1	<0.001	0.709	0.929	0.288	<0.001	6_Eryth.1
SLBP	<0.001	0.705	0.907	0.152	<0.001	6_Eryth.1
PTGES3	<0.001	0.703	0.962	0.448	<0.001	6_Eryth.1
DNAJA4	<0.001	0.701	0.812	0.017	<0.001	6_Eryth.1
FEN1	<0.001	0.700	0.848	0.049	<0.001	6_Eryth.1
IMPDH2	<0.001	0.699	0.858	0.160	<0.001	6_Eryth.1
ATP5F1B	<0.001	0.698	0.945	0.369	<0.001	6_Eryth.1
ADD2	<0.001	0.696	0.813	0.010	<0.001	6_Eryth.1
CCT5	<0.001	0.696	0.890	0.158	<0.001	6_Eryth.1
HAGH	<0.001	0.696	0.893	0.109	<0.001	6_Eryth.1
CDT1	<0.001	0.694	0.831	0.042	<0.001	6_Eryth.1
PSMG1	<0.001	0.693	0.858	0.075	<0.001	6_Eryth.1
RBX1	<0.001	0.690	0.973	0.363	<0.001	6_Eryth.1
GAR1	<0.001	0.687	0.843	0.092	<0.001	6_Eryth.1
YWHAH	<0.001	0.686	0.941	0.184	<0.001	6_Eryth.1
DKC1	<0.001	0.686	0.858	0.107	<0.001	6_Eryth.1
TPM1	<0.001	0.685	0.870	0.052	<0.001	6_Eryth.1
UBE2C	<0.001	0.684	0.625	0.040	<0.001	6_Eryth.1
SLC38A5	<0.001	0.684	0.843	0.035	<0.001	6_Eryth.1
MRPL37	<0.001	0.680	0.875	0.090	<0.001	6_Eryth.1
GCLM	<0.001	0.679	0.810	0.046	<0.001	6_Eryth.1
NPM1	<0.001	0.678	0.944	0.764	<0.001	6_Eryth.1
YBX3	<0.001	0.678	0.944	0.191	<0.001	6_Eryth.1
STOML2	<0.001	0.678	0.905	0.164	<0.001	6_Eryth.1
LXN	<0.001	0.675	0.809	0.024	<0.001	6_Eryth.1
GLRX	<0.001	0.675	0.852	0.233	<0.001	6_Eryth.1
CACYBP	<0.001	0.673	0.905	0.214	<0.001	6_Eryth.1
MRPL12	<0.001	0.673	0.838	0.121	<0.001	6_Eryth.1
DTYMK	<0.001	0.673	0.862	0.074	<0.001	6_Eryth.1
ATP5MF	<0.001	0.672	0.973	0.464	<0.001	6_Eryth.1
VBP1	<0.001	0.667	0.914	0.150	<0.001	6_Eryth.1
MCM3	<0.001	0.667	0.845	0.073	<0.001	6_Eryth.1
FXN	<0.001	0.665	0.844	0.070	<0.001	6_Eryth.1
HPRT1	<0.001	0.663	0.891	0.150	<0.001	6_Eryth.1
HDAC2	<0.001	0.662	0.904	0.145	<0.001	6_Eryth.1
HMGB3	<0.001	0.661	0.895	0.077	<0.001	6_Eryth.1
SRSF2	<0.001	0.661	0.962	0.436	<0.001	6_Eryth.1
CD82	<0.001	0.660	0.851	0.072	<0.001	6_Eryth.1
CENPH	<0.001	0.658	0.864	0.069	<0.001	6_Eryth.1

CISD2	<0.001	0.658	0.908	0.124	<0.001	6_Eryth.1
COPS3	<0.001	0.657	0.902	0.133	<0.001	6_Eryth.1
SLC39A3	<0.001	0.657	0.860	0.090	<0.001	6_Eryth.1
TESC	<0.001	0.656	0.902	0.101	<0.001	6_Eryth.1
TXNL1	<0.001	0.656	0.918	0.194	<0.001	6_Eryth.1
NUDC	<0.001	0.654	0.906	0.210	<0.001	6_Eryth.1
MAD2L1	<0.001	0.652	0.849	0.069	<0.001	6_Eryth.1
LPCAT3	<0.001	0.652	0.820	0.042	<0.001	6_Eryth.1
UQCC2	<0.001	0.649	0.894	0.125	<0.001	6_Eryth.1
MRPL51	<0.001	0.649	0.927	0.205	<0.001	6_Eryth.1
ATG3	<0.001	0.648	0.898	0.177	<0.001	6_Eryth.1
CCT8	<0.001	0.648	0.926	0.265	<0.001	6_Eryth.1
PKLR	<0.001	0.647	0.769	0.006	<0.001	6_Eryth.1
ILF2	<0.001	0.646	0.910	0.204	<0.001	6_Eryth.1
PHB	<0.001	0.645	0.867	0.185	<0.001	6_Eryth.1
CCNA2	<0.001	0.645	0.736	0.028	<0.001	6_Eryth.1
ZWINT	<0.001	0.644	0.832	0.047	<0.001	6_Eryth.1
RUVBL2	<0.001	0.643	0.837	0.084	<0.001	6_Eryth.1
CPOX	<0.001	0.640	0.730	0.020	<0.001	6_Eryth.1
E2F4	<0.001	0.637	0.872	0.086	<0.001	6_Eryth.1
SSRP1	<0.001	0.627	0.884	0.135	<0.001	6_Eryth.1
RHCE	<0.001	0.625	0.511	0.005	<0.001	6_Eryth.1
PPA2	<0.001	0.625	0.856	0.130	<0.001	6_Eryth.1
ECI2	<0.001	0.624	0.828	0.063	<0.001	6_Eryth.1
CTSE	<0.001	0.623	0.615	0.004	<0.001	6_Eryth.1
CYC1	<0.001	0.621	0.931	0.220	<0.001	6_Eryth.1
MRPS34	<0.001	0.620	0.897	0.197	<0.001	6_Eryth.1
ECH1	<0.001	0.619	0.915	0.231	<0.001	6_Eryth.1
MLLT3	<0.001	0.618	0.807	0.071	<0.001	6_Eryth.1
BLVRA	<0.001	0.616	0.882	0.110	<0.001	6_Eryth.1
HNRNPF	<0.001	0.610	0.933	0.305	<0.001	6_Eryth.1
AP2M1	<0.001	0.606	0.949	0.286	<0.001	6_Eryth.1
DDX1	<0.001	0.605	0.853	0.102	<0.001	6_Eryth.1
SLC25A3	<0.001	0.604	0.953	0.443	<0.001	6_Eryth.1
TXN	<0.001	0.602	0.957	0.364	<0.001	6_Eryth.1
CYTOR	<0.001	0.602	0.924	0.178	<0.001	6_Eryth.1
DLGAP5	<0.001	0.600	0.713	0.019	<0.001	6_Eryth.1
SLC39A8	<0.001	0.599	0.782	0.054	<0.001	6_Eryth.1
C20orf27	<0.001	0.599	0.916	0.166	<0.001	6_Eryth.1
SSB	<0.001	0.597	0.923	0.266	<0.001	6_Eryth.1
TIMM8B	<0.001	0.595	0.911	0.200	<0.001	6_Eryth.1
C19orf48	<0.001	0.595	0.844	0.092	<0.001	6_Eryth.1
ERH	<0.001	0.594	0.957	0.428	<0.001	6_Eryth.1

LAGE3	<0.001	0.593	0.887	0.132	<0.001	6_Eryth.1
DNPH1	<0.001	0.592	0.846	0.119	<0.001	6_Eryth.1
COX5A	<0.001	0.591	0.926	0.354	<0.001	6_Eryth.1
CCT3	<0.001	0.590	0.894	0.221	<0.001	6_Eryth.1
ARV1	<0.001	0.590	0.802	0.044	<0.001	6_Eryth.1
SUPT16H	<0.001	0.589	0.859	0.114	<0.001	6_Eryth.1
MCM4	<0.001	0.588	0.792	0.040	<0.001	6_Eryth.1
PSMD6	<0.001	0.586	0.898	0.163	<0.001	6_Eryth.1
VRK1	<0.001	0.586	0.856	0.091	<0.001	6_Eryth.1
PAFAH1B3	<0.001	0.583	0.846	0.097	<0.001	6_Eryth.1
CCDC34	<0.001	0.582	0.815	0.041	<0.001	6_Eryth.1
HDGF	<0.001	0.578	0.843	0.110	<0.001	6_Eryth.1
SNRPB	<0.001	0.578	0.953	0.415	<0.001	6_Eryth.1
TPX2	<0.001	0.574	0.710	0.028	<0.001	6_Eryth.1
HMMR	<0.001	0.573	0.645	0.021	<0.001	6_Eryth.1
RRM1	<0.001	0.569	0.810	0.055	<0.001	6_Eryth.1
ABCB10	<0.001	0.566	0.741	0.025	<0.001	6_Eryth.1
EIF2AK1	<0.001	0.565	0.890	0.124	<0.001	6_Eryth.1
PPIA	<0.001	0.565	0.968	0.714	<0.001	6_Eryth.1
PRKDC	<0.001	0.563	0.858	0.118	<0.001	6_Eryth.1
TOMM40	<0.001	0.563	0.813	0.106	<0.001	6_Eryth.1
TXN2	<0.001	0.561	0.899	0.194	<0.001	6_Eryth.1
GINS2	<0.001	0.559	0.763	0.035	<0.001	6_Eryth.1
ETFA	<0.001	0.559	0.893	0.151	<0.001	6_Eryth.1
HACD3	<0.001	0.558	0.820	0.059	<0.001	6_Eryth.1
CDCA4	<0.001	0.555	0.802	0.056	<0.001	6_Eryth.1
CRLS1	<0.001	0.553	0.848	0.078	<0.001	6_Eryth.1
SNRPF	<0.001	0.553	0.938	0.375	<0.001	6_Eryth.1
SLC43A3	<0.001	0.553	0.768	0.039	<0.001	6_Eryth.1
PCCB	<0.001	0.552	0.776	0.038	<0.001	6_Eryth.1
CCT4	<0.001	0.552	0.904	0.246	<0.001	6_Eryth.1
CDKN3	<0.001	0.551	0.692	0.033	<0.001	6_Eryth.1
PHB2	<0.001	0.551	0.904	0.253	<0.001	6_Eryth.1
WDR34	<0.001	0.550	0.796	0.039	<0.001	6_Eryth.1
NDUFS5	<0.001	0.550	0.949	0.498	<0.001	6_Eryth.1
CMAS	<0.001	0.546	0.848	0.078	<0.001	6_Eryth.1
MYC	<0.001	0.544	0.624	0.092	<0.001	6_Eryth.1
TALDO1	<0.001	0.544	0.957	0.318	<0.001	6_Eryth.1
PSMC3	<0.001	0.544	0.907	0.177	<0.001	6_Eryth.1
NDUFB9	<0.001	0.543	0.949	0.423	<0.001	6_Eryth.1
POLD2	<0.001	0.541	0.836	0.097	<0.001	6_Eryth.1
TRAP1	<0.001	0.541	0.758	0.054	<0.001	6_Eryth.1
EEF1E1	<0.001	0.540	0.842	0.118	<0.001	6_Eryth.1

NDUFC1	<0.001	0.539	0.923	0.216	<0.001	6_Eryth.1
CDK6	<0.001	0.539	0.750	0.090	<0.001	6_Eryth.1
AK6	<0.001	0.538	0.791	0.080	<0.001	6_Eryth.1
MTCH2	<0.001	0.533	0.854	0.116	<0.001	6_Eryth.1
PAK1IP1	<0.001	0.533	0.752	0.056	<0.001	6_Eryth.1
PDHA1	<0.001	0.532	0.841	0.082	<0.001	6_Eryth.1
ARL6IP1	<0.001	0.530	0.907	0.266	<0.001	6_Eryth.1
NUCKS1	<0.001	0.530	0.951	0.296	<0.001	6_Eryth.1
POLE3	<0.001	0.530	0.860	0.146	<0.001	6_Eryth.1
NMU	<0.001	0.528	0.482	0.004	<0.001	6_Eryth.1
EBNA1BP2	<0.001	0.527	0.791	0.087	<0.001	6_Eryth.1
SLC29A1	<0.001	0.527	0.746	0.021	<0.001	6_Eryth.1
NOP58	<0.001	0.525	0.860	0.179	<0.001	6_Eryth.1
MRPL20	<0.001	0.524	0.909	0.247	<0.001	6_Eryth.1
TCEA1	<0.001	0.524	0.949	0.309	<0.001	6_Eryth.1
PSMD12	<0.001	0.523	0.843	0.113	<0.001	6_Eryth.1
NMNAT3	<0.001	0.523	0.756	0.016	<0.001	6_Eryth.1
MPDU1	<0.001	0.522	0.832	0.075	<0.001	6_Eryth.1
DAAM1	<0.001	0.521	0.792	0.052	<0.001	6_Eryth.1
SCCPDH	<0.001	0.520	0.802	0.087	<0.001	6_Eryth.1
LMO2	<0.001	0.519	0.766	0.066	<0.001	6_Eryth.1
LSM5	<0.001	0.519	0.947	0.328	<0.001	6_Eryth.1
CCT7	<0.001	0.518	0.888	0.200	<0.001	6_Eryth.1
LRRC59	<0.001	0.518	0.817	0.101	<0.001	6_Eryth.1
YEATS4	<0.001	0.518	0.839	0.098	<0.001	6_Eryth.1
NDUFAB1	<0.001	0.517	0.913	0.230	<0.001	6_Eryth.1
HAT1	<0.001	0.517	0.869	0.129	<0.001	6_Eryth.1
NDUFV2	<0.001	0.516	0.929	0.253	<0.001	6_Eryth.1
SLC25A5	<0.001	0.514	0.940	0.417	<0.001	6_Eryth.1
SLC2A1	<0.001	0.514	0.701	0.041	<0.001	6_Eryth.1
PSMA4	<0.001	0.513	0.931	0.372	<0.001	6_Eryth.1
RFC4	<0.001	0.512	0.783	0.046	<0.001	6_Eryth.1
NDUFB6	<0.001	0.512	0.896	0.174	<0.001	6_Eryth.1
SMIM10	<0.001	0.511	0.694	0.016	<0.001	6_Eryth.1
HES6	<0.001	0.511	0.692	0.023	<0.001	6_Eryth.1
RCL1	<0.001	0.511	0.776	0.039	<0.001	6_Eryth.1
SRSF3	<0.001	0.510	0.968	0.552	<0.001	6_Eryth.1
SMC3	<0.001	0.510	0.892	0.159	<0.001	6_Eryth.1
HBS1L	<0.001	0.509	0.808	0.077	<0.001	6_Eryth.1
RNASEH2B	<0.001	0.509	0.904	0.205	<0.001	6_Eryth.1
FHL2	<0.001	0.509	0.746	0.013	<0.001	6_Eryth.1
HTRA2	<0.001	0.508	0.790	0.060	<0.001	6_Eryth.1
CHPT1	<0.001	0.507	0.888	0.129	<0.001	6_Eryth.1

GCSH	<0.001	0.507	0.733	0.069	<0.001	6_Eryth.1
VPS29	<0.001	0.506	0.926	0.260	<0.001	6_Eryth.1
SRM	<0.001	0.504	0.780	0.147	<0.001	6_Eryth.1
PPM1G	<0.001	0.504	0.901	0.193	<0.001	6_Eryth.1
CCNE1	<0.001	0.503	0.708	0.014	<0.001	6_Eryth.1
PRKAR2B	<0.001	0.502	0.766	0.025	<0.001	6_Eryth.1
GMPS	<0.001	0.501	0.853	0.114	<0.001	6_Eryth.1
MRPL13	<0.001	0.501	0.833	0.105	<0.001	6_Eryth.1
LEPROT	<0.001	0.500	0.884	0.135	<0.001	6_Eryth.1
APEX1	<0.001	0.500	0.886	0.230	<0.001	6_Eryth.1
CST3	<0.001	1.589	0.974	0.330	<0.001	7_CD14.Mono2
LGALS2	<0.001	1.577	0.661	0.079	<0.001	7_CD14.Mono2
AIF1	<0.001	1.466	0.933	0.328	<0.001	7_CD14.Mono2
CTSS	<0.001	1.465	0.951	0.393	<0.001	7_CD14.Mono2
NEAT1	<0.001	1.396	0.975	0.620	<0.001	7_CD14.Mono2
TYROBP	<0.001	1.386	0.991	0.372	<0.001	7_CD14.Mono2
LST1	<0.001	1.364	0.940	0.286	<0.001	7_CD14.Mono2
SAT1	<0.001	1.361	0.952	0.535	<0.001	7_CD14.Mono2
FTL	<0.001	1.356	1.000	0.967	<0.001	7_CD14.Mono2
SERPINA1	<0.001	1.318	0.735	0.131	<0.001	7_CD14.Mono2
PSAP	<0.001	1.301	0.904	0.438	<0.001	7_CD14.Mono2
CLEC7A	<0.001	1.295	0.673	0.117	<0.001	7_CD14.Mono2
NAMPT	<0.001	1.278	0.790	0.232	<0.001	7_CD14.Mono2
ZFP36L1	<0.001	1.257	0.650	0.257	<0.001	7_CD14.Mono2
HLA-DRA	<0.001	1.244	0.949	0.444	<0.001	7_CD14.Mono2
TYMP	<0.001	1.232	0.791	0.277	<0.001	7_CD14.Mono2
FCN1	<0.001	1.226	0.885	0.204	<0.001	7_CD14.Mono2
MAFB	<0.001	1.203	0.510	0.083	<0.001	7_CD14.Mono2
FTH1	<0.001	1.201	1.000	0.962	<0.001	7_CD14.Mono2
NPC2	<0.001	1.194	0.800	0.372	<0.001	7_CD14.Mono2
IFI30	<0.001	1.188	0.461	0.074	<0.001	7_CD14.Mono2
FOS	<0.001	1.137	0.933	0.532	<0.001	7_CD14.Mono2
COTL1	<0.001	1.121	0.891	0.434	<0.001	7_CD14.Mono2
TIMP1	<0.001	1.117	0.704	0.277	<0.001	7_CD14.Mono2
G0S2	<0.001	1.103	0.364	0.096	<0.001	7_CD14.Mono2
MS4A6A	<0.001	1.084	0.608	0.135	<0.001	7_CD14.Mono2
CEBPB	<0.001	1.080	0.651	0.275	<0.001	7_CD14.Mono2
CFD	<0.001	1.080	0.695	0.180	<0.001	7_CD14.Mono2
AP1S2	<0.001	1.047	0.709	0.291	<0.001	7_CD14.Mono2
FGL2	<0.001	1.044	0.463	0.102	<0.001	7_CD14.Mono2
SGK1	<0.001	1.041	0.394	0.075	<0.001	7_CD14.Mono2
HLA-DRB1	<0.001	1.035	0.829	0.404	<0.001	7_CD14.Mono2
S100A11	<0.001	1.034	0.842	0.349	<0.001	7_CD14.Mono2

LYZ	<0.001	1.026	0.991	0.312	<0.001	7_CD14.Mono2
CSTA	<0.001	1.006	0.814	0.210	<0.001	7_CD14.Mono2
HLA-DRB5	<0.001	0.989	0.477	0.149	<0.001	7_CD14.Mono2
SPI1	<0.001	0.981	0.632	0.194	<0.001	7_CD14.Mono2
KLF10	<0.001	0.980	0.477	0.154	<0.001	7_CD14.Mono2
CPVL	<0.001	0.979	0.459	0.124	<0.001	7_CD14.Mono2
IFITM3	<0.001	0.979	0.431	0.140	<0.001	7_CD14.Mono2
CD14	<0.001	0.977	0.542	0.117	<0.001	7_CD14.Mono2
CFP	<0.001	0.969	0.548	0.136	<0.001	7_CD14.Mono2
FCER1G	<0.001	0.969	0.842	0.298	<0.001	7_CD14.Mono2
DUSP1	<0.001	0.959	0.912	0.641	<0.001	7_CD14.Mono2
DUSP6	<0.001	0.942	0.379	0.090	<0.001	7_CD14.Mono2
HLA-DPB1	<0.001	0.941	0.765	0.418	<0.001	7_CD14.Mono2
ASAH1	<0.001	0.939	0.658	0.286	<0.001	7_CD14.Mono2
FCGRT	<0.001	0.936	0.618	0.246	<0.001	7_CD14.Mono2
HIF1A	<0.001	0.929	0.502	0.210	<0.001	7_CD14.Mono2
ATP2B1-AS1	<0.001	0.911	0.517	0.179	<0.001	7_CD14.Mono2
MARCKS	<0.001	0.908	0.407	0.097	<0.001	7_CD14.Mono2
S100A6	<0.001	0.900	0.994	0.798	<0.001	7_CD14.Mono2
GLUL	<0.001	0.890	0.555	0.242	<0.001	7_CD14.Mono2
CEBPD	<0.001	0.876	0.503	0.139	<0.001	7_CD14.Mono2
CD68	<0.001	0.875	0.493	0.120	<0.001	7_CD14.Mono2
HLA-DPA1	<0.001	0.874	0.707	0.372	<0.001	7_CD14.Mono2
HLA-DMA	<0.001	0.864	0.616	0.270	<0.001	7_CD14.Mono2
LGALS1	<0.001	0.853	0.942	0.426	<0.001	7_CD14.Mono2
KLF4	<0.001	0.843	0.453	0.119	<0.001	7_CD14.Mono2
STXBP2	<0.001	0.836	0.625	0.294	<0.001	7_CD14.Mono2
SRGN	<0.001	0.835	0.981	0.711	<0.001	7_CD14.Mono2
S100A4	<0.001	0.828	0.993	0.757	<0.001	7_CD14.Mono2
NFKBIA	<0.001	0.821	0.725	0.476	<0.001	7_CD14.Mono2
VCAN	<0.001	0.815	0.618	0.165	<0.001	7_CD14.Mono2
RGS2	<0.001	0.811	0.653	0.279	<0.001	7_CD14.Mono2
ATP2B1	<0.001	0.798	0.464	0.204	<0.001	7_CD14.Mono2
CD300E	<0.001	0.797	0.312	0.040	<0.001	7_CD14.Mono2
IER5	<0.001	0.794	0.361	0.130	<0.001	7_CD14.Mono2
LGALS3	<0.001	0.782	0.446	0.163	<0.001	7_CD14.Mono2
ODF3B	<0.001	0.782	0.351	0.081	<0.001	7_CD14.Mono2
IRF2BP2	<0.001	0.776	0.494	0.281	<0.001	7_CD14.Mono2
EMP3	<0.001	0.768	0.875	0.637	<0.001	7_CD14.Mono2
GSTP1	<0.001	0.768	0.834	0.528	<0.001	7_CD14.Mono2
CYBB	<0.001	0.765	0.437	0.126	<0.001	7_CD14.Mono2
MPEG1	<0.001	0.760	0.397	0.107	<0.001	7_CD14.Mono2
TNFSF13B	<0.001	0.760	0.443	0.147	<0.001	7_CD14.Mono2

LY96	<0.001	0.760	0.406	0.117	<0.001	7_CD14.Mono2
APOBEC3A	<0.001	0.756	0.252	0.035	<0.001	7_CD14.Mono2
MCL1	<0.001	0.756	0.704	0.397	<0.001	7_CD14.Mono2
RAB31	<0.001	0.754	0.434	0.120	<0.001	7_CD14.Mono2
PTP4A2	<0.001	0.751	0.716	0.478	<0.001	7_CD14.Mono2
S100A10	<0.001	0.744	0.796	0.518	<0.001	7_CD14.Mono2
HLA-DQB1	<0.001	0.742	0.605	0.266	<0.001	7_CD14.Mono2
PLSCR1	<0.001	0.736	0.407	0.169	<0.001	7_CD14.Mono2
ANXA5	<0.001	0.735	0.507	0.223	<0.001	7_CD14.Mono2
GRN	<0.001	0.732	0.540	0.223	<0.001	7_CD14.Mono2
C4orf48	<0.001	0.725	0.541	0.246	<0.001	7_CD14.Mono2
PLAUR	<0.001	0.709	0.413	0.130	<0.001	7_CD14.Mono2
FOSL2	<0.001	0.706	0.406	0.147	<0.001	7_CD14.Mono2
ZFP36	<0.001	0.702	0.712	0.463	<0.001	7_CD14.Mono2
VSIR	<0.001	0.697	0.594	0.309	<0.001	7_CD14.Mono2
NINJ1	<0.001	0.694	0.390	0.136	<0.001	7_CD14.Mono2
RNF130	<0.001	0.692	0.464	0.206	<0.001	7_CD14.Mono2
CSF3R	<0.001	0.690	0.370	0.107	<0.001	7_CD14.Mono2
SLC7A7	<0.001	0.684	0.318	0.062	<0.001	7_CD14.Mono2
C1orf162	<0.001	0.682	0.528	0.265	<0.001	7_CD14.Mono2
VMP1	<0.001	0.678	0.472	0.253	<0.001	7_CD14.Mono2
TKT	<0.001	0.675	0.653	0.373	<0.001	7_CD14.Mono2
HMOX1	<0.001	0.671	0.267	0.042	<0.001	7_CD14.Mono2
FKBP1A	<0.001	0.670	0.697	0.460	<0.001	7_CD14.Mono2
CLEC4A	<0.001	0.667	0.310	0.068	<0.001	7_CD14.Mono2
TNFRSF1B	<0.001	0.662	0.389	0.161	<0.001	7_CD14.Mono2
CXCL16	<0.001	0.660	0.268	0.046	<0.001	7_CD14.Mono2
CDKN1A	<0.001	0.658	0.257	0.050	<0.001	7_CD14.Mono2
CD86	<0.001	0.654	0.299	0.069	<0.001	7_CD14.Mono2
TGFBI	<0.001	0.653	0.315	0.074	<0.001	7_CD14.Mono2
AP2S1	<0.001	0.652	0.630	0.382	<0.001	7_CD14.Mono2
CTNNB1	<0.001	0.644	0.377	0.196	<0.001	7_CD14.Mono2
LILRB2	<0.001	0.640	0.293	0.061	<0.001	7_CD14.Mono2
LYN	<0.001	0.639	0.440	0.199	<0.001	7_CD14.Mono2
CD302	<0.001	0.637	0.352	0.113	<0.001	7_CD14.Mono2
RHOB	<0.001	0.632	0.333	0.131	<0.001	7_CD14.Mono2
MS4A7	<0.001	0.628	0.279	0.061	<0.001	7_CD14.Mono2
PPT1	<0.001	0.628	0.416	0.222	<0.001	7_CD14.Mono2
PYCARD	<0.001	0.624	0.533	0.272	<0.001	7_CD14.Mono2
BCL2A1	<0.001	0.623	0.315	0.116	<0.001	7_CD14.Mono2
CTSB	<0.001	0.620	0.376	0.178	<0.001	7_CD14.Mono2
KLF6	<0.001	0.620	0.729	0.505	<0.001	7_CD14.Mono2
AC007952.4	<0.001	0.616	0.507	0.261	<0.001	7_CD14.Mono2

CD4	<0.001	0.609	0.298	0.088	<0.001	7_CD14.Mono2
ATP6V0B	<0.001	0.609	0.611	0.391	<0.001	7_CD14.Mono2
AC245014.3	<0.001	0.604	0.432	0.236	<0.001	7_CD14.Mono2
TLE3	<0.001	0.603	0.281	0.110	<0.001	7_CD14.Mono2
CYBA	<0.001	0.601	0.959	0.786	<0.001	7_CD14.Mono2
CRIP1	<0.001	0.597	0.432	0.271	<0.001	7_CD14.Mono2
VIM	<0.001	0.594	0.881	0.642	<0.001	7_CD14.Mono2
CNPY3	<0.001	0.592	0.493	0.282	<0.001	7_CD14.Mono2
RHOA	<0.001	0.590	0.722	0.545	<0.001	7_CD14.Mono2
RAC1	<0.001	0.590	0.651	0.444	<0.001	7_CD14.Mono2
CMTM6	<0.001	0.585	0.480	0.272	<0.001	7_CD14.Mono2
LAMTOR4	<0.001	0.583	0.744	0.556	<0.001	7_CD14.Mono2
SH3BGRL3	<0.001	0.582	0.937	0.795	<0.001	7_CD14.Mono2
ARRB2	<0.001	0.582	0.445	0.232	<0.001	7_CD14.Mono2
EVI2B	<0.001	0.581	0.612	0.391	<0.001	7_CD14.Mono2
RAP2B	<0.001	0.580	0.340	0.160	<0.001	7_CD14.Mono2
LY86	<0.001	0.580	0.381	0.139	<0.001	7_CD14.Mono2
GPX4	<0.001	0.580	0.695	0.528	<0.001	7_CD14.Mono2
STX11	<0.001	0.579	0.340	0.111	<0.001	7_CD14.Mono2
IQGAP1	<0.001	0.577	0.575	0.340	<0.001	7_CD14.Mono2
CTSH	<0.001	0.574	0.350	0.124	<0.001	7_CD14.Mono2
SEC11A	<0.001	0.573	0.550	0.364	<0.001	7_CD14.Mono2
C5AR1	<0.001	0.573	0.258	0.056	<0.001	7_CD14.Mono2
HNMT	<0.001	0.572	0.258	0.053	<0.001	7_CD14.Mono2
SLC43A2	<0.001	0.569	0.274	0.076	<0.001	7_CD14.Mono2
AHNAK	<0.001	0.569	0.409	0.214	<0.001	7_CD14.Mono2
IFI6	<0.001	0.569	0.317	0.180	<0.001	7_CD14.Mono2
JAML	<0.001	0.568	0.327	0.123	<0.001	7_CD14.Mono2
PRELID1	<0.001	0.568	0.591	0.423	<0.001	7_CD14.Mono2
LCP1	<0.001	0.565	0.622	0.410	<0.001	7_CD14.Mono2
MAP3K8	<0.001	0.564	0.381	0.187	<0.001	7_CD14.Mono2
HLA-DMB	<0.001	0.564	0.402	0.162	<0.001	7_CD14.Mono2
LRRC25	<0.001	0.564	0.259	0.060	<0.001	7_CD14.Mono2
BRI3	<0.001	0.564	0.389	0.174	<0.001	7_CD14.Mono2
ADA2	<0.001	0.563	0.282	0.092	<0.001	7_CD14.Mono2
DPYSL2	<0.001	0.563	0.266	0.085	<0.001	7_CD14.Mono2
MNDA	<0.001	0.562	0.518	0.180	<0.001	7_CD14.Mono2
CTSZ	<0.001	0.561	0.318	0.137	<0.001	7_CD14.Mono2
ITM2B	<0.001	0.560	0.858	0.753	<0.001	7_CD14.Mono2
KCTD12	<0.001	0.560	0.286	0.077	<0.001	7_CD14.Mono2
PCBP1	<0.001	0.560	0.655	0.477	<0.001	7_CD14.Mono2
AC103591.3	<0.001	0.559	0.374	0.220	<0.001	7_CD14.Mono2
IGSF6	<0.001	0.558	0.257	0.067	<0.001	7_CD14.Mono2

JUND	<0.001	0.553	0.719	0.475	<0.001	7_CD14.Mono2
NFKBIZ	<0.001	0.553	0.337	0.161	<0.001	7_CD14.Mono2
RNASE6	<0.001	0.552	0.345	0.131	<0.001	7_CD14.Mono2
PFDN5	<0.001	0.548	0.971	0.918	<0.001	7_CD14.Mono2
DAZAP2	<0.001	0.547	0.701	0.534	<0.001	7_CD14.Mono2
LILRA5	<0.001	0.545	0.259	0.066	<0.001	7_CD14.Mono2
SH2B3	<0.001	0.545	0.262	0.084	<0.001	7_CD14.Mono2
UPP1	<0.001	0.544	0.323	0.147	<0.001	7_CD14.Mono2
APLP2	<0.001	0.542	0.476	0.273	<0.001	7_CD14.Mono2
CLEC12A	<0.001	0.541	0.280	0.082	<0.001	7_CD14.Mono2
TSPO	<0.001	0.540	0.796	0.534	<0.001	7_CD14.Mono2
ZEB2	<0.001	0.537	0.523	0.310	<0.001	7_CD14.Mono2
GNAI2	<0.001	0.536	0.450	0.271	<0.001	7_CD14.Mono2
MGAT1	<0.001	0.535	0.321	0.160	<0.001	7_CD14.Mono2
TPP1	<0.001	0.534	0.349	0.170	<0.001	7_CD14.Mono2
SLC11A1	<0.001	0.534	0.280	0.087	<0.001	7_CD14.Mono2
PILRA	<0.001	0.534	0.262	0.058	<0.001	7_CD14.Mono2
MIDN	<0.001	0.533	0.343	0.166	<0.001	7_CD14.Mono2
NUP214	<0.001	0.525	0.314	0.129	<0.001	7_CD14.Mono2
HLA-DQA1	<0.001	0.524	0.368	0.153	<0.001	7_CD14.Mono2
CRTAP	<0.001	0.522	0.267	0.115	<0.001	7_CD14.Mono2
FGR	<0.001	0.518	0.356	0.143	<0.001	7_CD14.Mono2
CD36	<0.001	0.517	0.385	0.165	<0.001	7_CD14.Mono2
PGLS	<0.001	0.514	0.478	0.312	<0.001	7_CD14.Mono2
ZFAND5	<0.001	0.511	0.405	0.232	<0.001	7_CD14.Mono2
CD44	<0.001	0.510	0.640	0.490	<0.001	7_CD14.Mono2
LIPA	<0.001	0.508	0.286	0.137	<0.001	7_CD14.Mono2
QKI	<0.001	0.503	0.287	0.133	<0.001	7_CD14.Mono2
ATP5MPL	<0.001	0.502	0.871	0.714	<0.001	7_CD14.Mono2
ISG15	<0.001	0.576	0.326	0.246	<0.001	7_CD14.Mono2
CD79A	<0.001	2.081	0.954	0.108	<0.001	8_B.N1
MS4A1	<0.001	1.865	0.808	0.049	<0.001	8_B.N1
IGHM	<0.001	1.825	0.808	0.131	<0.001	8_B.N1
CD74	<0.001	1.695	0.998	0.631	<0.001	8_B.N1
HLA-DQB1	<0.001	1.488	0.917	0.254	<0.001	8_B.N1
IGHD	<0.001	1.442	0.605	0.053	<0.001	8_B.N1
HLA-DQA1	<0.001	1.417	0.763	0.137	<0.001	8_B.N1
HLA-DRA	<0.001	1.382	0.992	0.445	<0.001	8_B.N1
HLA-DPA1	<0.001	1.320	0.948	0.363	<0.001	8_B.N1
CD37	<0.001	1.314	0.974	0.604	<0.001	8_B.N1
HLA-DRB1	<0.001	1.301	0.956	0.400	<0.001	8_B.N1
LINC00926	<0.001	1.290	0.546	0.030	<0.001	8_B.N1
HLA-DPB1	<0.001	1.261	0.958	0.411	<0.001	8_B.N1

BANK1	<0.001	1.197	0.530	0.042	<0.001	8_B.N1
TNFRSF13C	<0.001	1.167	0.500	0.034	<0.001	8_B.N1
LTB	<0.001	1.135	0.897	0.362	<0.001	8_B.N1
CD79B	<0.001	1.067	0.776	0.137	<0.001	8_B.N1
TCL1A	<0.001	1.052	0.444	0.059	<0.001	8_B.N1
MEF2C	<0.001	0.999	0.576	0.175	<0.001	8_B.N1
BIRC3	<0.001	0.982	0.525	0.133	<0.001	8_B.N1
HLA-DMB	<0.001	0.974	0.600	0.154	<0.001	8_B.N1
RALGPS2	<0.001	0.940	0.408	0.049	<0.001	8_B.N1
FCER2	<0.001	0.926	0.329	0.022	<0.001	8_B.N1
HVCN1	<0.001	0.873	0.368	0.056	<0.001	8_B.N1
CD83	<0.001	0.860	0.391	0.090	<0.001	8_B.N1
CD52	<0.001	0.856	0.975	0.690	<0.001	8_B.N1
CD22	<0.001	0.852	0.357	0.035	<0.001	8_B.N1
PLPP5	<0.001	0.832	0.333	0.079	<0.001	8_B.N1
HLA-DMA	<0.001	0.807	0.695	0.268	<0.001	8_B.N1
BLK	<0.001	0.792	0.347	0.028	<0.001	8_B.N1
IGKC	<0.001	0.790	0.998	0.259	<0.001	8_B.N1
P2RX5	<0.001	0.789	0.356	0.047	<0.001	8_B.N1
ADAM28	<0.001	0.784	0.324	0.041	<0.001	8_B.N1
FCRLA	<0.001	0.779	0.341	0.032	<0.001	8_B.N1
1-Mar	<0.001	0.775	0.380	0.074	<0.001	8_B.N1
VPREB3	<0.001	0.733	0.471	0.068	<0.001	8_B.N1
CYB561A3	<0.001	0.723	0.373	0.113	<0.001	8_B.N1
ARHGAP24	<0.001	0.716	0.298	0.030	<0.001	8_B.N1
TSC22D3	<0.001	0.698	0.885	0.589	<0.001	8_B.N1
HLA-DOB	<0.001	0.674	0.272	0.022	<0.001	8_B.N1
BCL11A	<0.001	0.664	0.381	0.132	<0.001	8_B.N1
EZR	<0.001	0.660	0.552	0.289	<0.001	8_B.N1
LAPTM5	<0.001	0.659	0.923	0.692	<0.001	8_B.N1
SPIB	<0.001	0.653	0.302	0.042	<0.001	8_B.N1
POU2F2	<0.001	0.638	0.346	0.107	<0.001	8_B.N1
CD40	<0.001	0.629	0.265	0.031	<0.001	8_B.N1
FAM129C	<0.001	0.614	0.307	0.048	<0.001	8_B.N1
GNG7	<0.001	0.603	0.306	0.068	<0.001	8_B.N1
TCOF1	<0.001	0.592	0.373	0.166	<0.001	8_B.N1
SMIM14	<0.001	0.580	0.296	0.091	<0.001	8_B.N1
FAM30A	<0.001	0.578	0.254	0.069	<0.001	8_B.N1
SWAP70	<0.001	0.569	0.259	0.050	<0.001	8_B.N1
TPD52	<0.001	0.569	0.320	0.102	<0.001	8_B.N1
CXCR4	<0.001	0.563	0.839	0.583	<0.001	8_B.N1
NCF1	<0.001	0.559	0.541	0.222	<0.001	8_B.N1
FCMR	<0.001	0.557	0.324	0.097	<0.001	8_B.N1

SNX2	<0.001	0.556	0.427	0.218	<0.001	8_B.N1
LY86	<0.001	0.555	0.405	0.139	<0.001	8_B.N1
IRF8	<0.001	0.547	0.344	0.096	<0.001	8_B.N1
PDLIM1	<0.001	0.542	0.342	0.100	<0.001	8_B.N1
STX7	<0.001	0.528	0.288	0.124	<0.001	8_B.N1
ORAI2	<0.001	0.528	0.313	0.107	<0.001	8_B.N1
RETN	<0.001	3.138	0.918	0.079	<0.001	9_GMP
S100A8	<0.001	2.544	1.000	0.292	<0.001	9_GMP
AC020656.1	<0.001	2.140	0.511	0.132	<0.001	9_GMP
S100A9	<0.001	1.990	1.000	0.310	<0.001	9_GMP
S100A12	<0.001	1.989	0.822	0.188	<0.001	9_GMP
LYZ	<0.001	1.910	0.996	0.316	<0.001	9_GMP
LGALS1	<0.001	1.660	0.838	0.434	<0.001	9_GMP
MNDA	<0.001	1.564	0.749	0.173	<0.001	9_GMP
RNASE2	<0.001	1.539	0.540	0.075	<0.001	9_GMP
CSTA	<0.001	1.291	0.788	0.215	<0.001	9_GMP
TSPO	<0.001	1.225	0.889	0.532	<0.001	9_GMP
GCA	<0.001	1.173	0.393	0.144	<0.001	9_GMP
CKAP4	<0.001	1.140	0.359	0.064	<0.001	9_GMP
ALOX5AP	<0.001	1.102	0.572	0.235	<0.001	9_GMP
FCN1	<0.001	1.102	0.770	0.213	<0.001	9_GMP
CYBB	<0.001	1.097	0.417	0.129	<0.001	9_GMP
CTSD	<0.001	1.019	0.675	0.343	<0.001	9_GMP
CDA	<0.001	0.991	0.343	0.069	<0.001	9_GMP
RFLNB	<0.001	0.980	0.346	0.079	<0.001	9_GMP
MS4A6A	<0.001	0.972	0.496	0.142	<0.001	9_GMP
VIM	<0.001	0.964	0.931	0.642	<0.001	9_GMP
H1FX	<0.001	0.964	0.531	0.349	<0.001	9_GMP
S100A6	<0.001	0.960	0.981	0.800	<0.001	9_GMP
AC007952.4	<0.001	0.959	0.490	0.264	<0.001	9_GMP
CAPG	<0.001	0.959	0.490	0.173	<0.001	9_GMP
GRN	<0.001	0.956	0.554	0.225	<0.001	9_GMP
AC245014.3	<0.001	0.917	0.421	0.238	<0.001	9_GMP
HMGN2	<0.001	0.905	0.758	0.651	<0.001	9_GMP
AZU1	<0.001	0.903	0.348	0.037	<0.001	9_GMP
VCAN	<0.001	0.901	0.587	0.170	<0.001	9_GMP
PLBD1	<0.001	0.901	0.334	0.086	<0.001	9_GMP
RAB31	<0.001	0.893	0.398	0.124	<0.001	9_GMP
SRGN	<0.001	0.858	0.875	0.717	<0.001	9_GMP
H2AFZ	<0.001	0.851	0.565	0.437	<0.001	9_GMP
GAPDH	<0.001	0.842	0.954	0.822	<0.001	9_GMP
TKT	<0.001	0.841	0.637	0.375	<0.001	9_GMP
LST1	<0.001	0.834	0.804	0.296	<0.001	9_GMP

CYBA	<0.001	0.833	0.949	0.788	<0.001	9_GMP
MYL6	<0.001	0.828	0.914	0.833	<0.001	9_GMP
CES1	<0.001	0.825	0.320	0.068	<0.001	9_GMP
ATP5MPL	<0.001	0.824	0.842	0.716	<0.001	9_GMP
MCEMP1	<0.001	0.823	0.251	0.031	<0.001	9_GMP
MGST1	<0.001	0.823	0.402	0.130	<0.001	9_GMP
HMGB2	<0.001	0.819	0.744	0.589	<0.001	9_GMP
PYCARD	<0.001	0.800	0.544	0.273	<0.001	9_GMP
CFD	<0.001	0.775	0.511	0.191	<0.001	9_GMP
LCP1	<0.001	0.772	0.638	0.411	<0.001	9_GMP
S100A4	<0.001	0.771	0.903	0.762	<0.001	9_GMP
C4orf48	<0.001	0.770	0.487	0.250	<0.001	9_GMP
TMEM107	<0.001	0.769	0.295	0.153	<0.001	9_GMP
STXBP2	<0.001	0.759	0.572	0.298	<0.001	9_GMP
IQGAP1	<0.001	0.757	0.565	0.342	<0.001	9_GMP
SERPINB1	<0.001	0.742	0.530	0.324	<0.001	9_GMP
JUND	<0.001	0.742	0.706	0.477	<0.001	9_GMP
PGD	<0.001	0.737	0.329	0.157	<0.001	9_GMP
FCER1G	<0.001	0.734	0.737	0.306	<0.001	9_GMP
ANXA1	<0.001	0.731	0.734	0.460	<0.001	9_GMP
BRI3	<0.001	0.730	0.330	0.178	<0.001	9_GMP
METTL9	<0.001	0.729	0.492	0.325	<0.001	9_GMP
BASP1	<0.001	0.720	0.257	0.081	<0.001	9_GMP
EMB	<0.001	0.715	0.394	0.209	<0.001	9_GMP
BLOC1S1	<0.001	0.713	0.588	0.429	<0.001	9_GMP
RAB32	<0.001	0.713	0.300	0.086	<0.001	9_GMP
APLP2	<0.001	0.712	0.476	0.274	<0.001	9_GMP
ITGAM	<0.001	0.710	0.265	0.075	<0.001	9_GMP
PGAM1	<0.001	0.702	0.500	0.333	<0.001	9_GMP
AP2S1	<0.001	0.696	0.565	0.386	<0.001	9_GMP
ATP6V0B	<0.001	0.679	0.570	0.395	<0.001	9_GMP
ENO1	<0.001	0.662	0.604	0.468	<0.001	9_GMP
PKM	<0.001	0.660	0.526	0.348	<0.001	9_GMP
H2AFJ	<0.001	0.656	0.392	0.241	<0.001	9_GMP
TNFSF13B	<0.001	0.650	0.369	0.152	<0.001	9_GMP
CFP	<0.001	0.642	0.374	0.146	<0.001	9_GMP
CST3	<0.001	0.633	0.777	0.342	<0.001	9_GMP
FTL	<0.001	0.633	0.980	0.968	<0.001	9_GMP
TXN	<0.001	0.621	0.554	0.385	<0.001	9_GMP
FOS	<0.001	0.621	0.747	0.542	<0.001	9_GMP
ACTR2	<0.001	0.618	0.517	0.391	<0.001	9_GMP
ANXA2	<0.001	0.617	0.494	0.293	<0.001	9_GMP
TALDO1	<0.001	0.617	0.478	0.342	<0.001	9_GMP

OAZ1	<0.001	0.613	0.908	0.810	<0.001	9_GMP
CTSZ	<0.001	0.612	0.311	0.139	<0.001	9_GMP
LAMTOR4	<0.001	0.612	0.677	0.560	<0.001	9_GMP
ELOB	<0.001	0.607	0.769	0.670	<0.001	9_GMP
COX8A	<0.001	0.605	0.651	0.558	<0.001	9_GMP
GSTP1	<0.001	0.604	0.664	0.537	<0.001	9_GMP
KLF4	<0.001	0.600	0.325	0.127	<0.001	9_GMP
C20orf27	<0.001	0.600	0.332	0.195	<0.001	9_GMP
S100A11	<0.001	0.599	0.664	0.359	<0.001	9_GMP
MCL1	<0.001	0.594	0.575	0.404	<0.001	9_GMP
ATP5ME	<0.001	0.592	0.692	0.612	<0.001	9_GMP
CEBPD	<0.001	0.582	0.343	0.148	<0.001	9_GMP
NDUFB1	<0.001	0.569	0.580	0.469	<0.001	9_GMP
KCTD12	<0.001	0.568	0.258	0.080	<0.001	9_GMP
ACTB	<0.001	0.566	0.999	0.982	<0.001	9_GMP
H2AFY	<0.001	0.547	0.530	0.372	<0.001	9_GMP
SERF2	<0.001	0.546	0.938	0.923	<0.001	9_GMP
IRS2	<0.001	0.537	0.270	0.129	<0.001	9_GMP
NUP214	<0.001	0.532	0.264	0.133	<0.001	9_GMP
ACTG1	<0.001	0.531	0.860	0.743	<0.001	9_GMP
RNASE6	<0.001	0.529	0.308	0.134	<0.001	9_GMP
PSAP	<0.001	0.522	0.655	0.451	<0.001	9_GMP
CD14	<0.001	0.518	0.340	0.128	<0.001	9_GMP
RNF130	<0.001	0.516	0.357	0.212	<0.001	9_GMP
CD302	<0.001	0.515	0.281	0.118	<0.001	9_GMP
ATP5F1E	<0.001	0.514	0.944	0.917	<0.001	9_GMP
TYROBP	<0.001	0.509	0.872	0.381	<0.001	9_GMP
SPI1	<0.001	0.507	0.411	0.206	<0.001	9_GMP
TYMP	<0.001	0.505	0.516	0.291	<0.001	9_GMP
AGTRAP	<0.001	0.517	0.319	0.182	<0.001	9_GMP
PCLAF	<0.001	0.546	0.260	0.129	<0.001	9_GMP
RAB11FIP1	<0.001	0.511	0.286	0.157	<0.001	9_GMP
IRF2BP2	<0.001	0.631	0.413	0.286	<0.001	9_GMP
SCPEP1	<0.001	0.511	0.294	0.171	<0.001	9_GMP
GRK2	<0.001	0.521	0.285	0.163	<0.001	9_GMP
NAA38	<0.001	0.554	0.448	0.335	<0.001	9_GMP
GNAI2	<0.001	0.530	0.398	0.275	<0.001	9_GMP
IFI27L2	<0.001	0.511	0.355	0.226	<0.001	9_GMP
CAP1	<0.001	0.579	0.477	0.379	<0.001	9_GMP
RTN3	<0.001	0.591	0.320	0.207	<0.001	9_GMP
ARPC5	<0.001	0.551	0.514	0.437	<0.001	9_GMP
GNG5	<0.001	0.536	0.451	0.383	<0.001	9_GMP
ATOX1	<0.001	0.512	0.318	0.229	<0.001	9_GMP

LTA4H	<0.001	0.504	0.277	0.219	<0.001	9_GMP
CD79A	<0.001	2.043	0.951	0.115	<0.001	10_B.N2
IGHM	<0.001	1.788	0.818	0.137	<0.001	10_B.N2
MS4A1	<0.001	1.779	0.797	0.056	<0.001	10_B.N2
CD74	<0.001	1.638	0.997	0.634	<0.001	10_B.N2
IGHD	<0.001	1.452	0.618	0.058	<0.001	10_B.N2
HLA-DQB1	<0.001	1.418	0.904	0.261	<0.001	10_B.N2
HLA-DRA	<0.001	1.349	0.991	0.449	<0.001	10_B.N2
HLA-DQA1	<0.001	1.348	0.756	0.143	<0.001	10_B.N2
CD37	<0.001	1.316	0.973	0.607	<0.001	10_B.N2
HLA-DPA1	<0.001	1.279	0.941	0.369	<0.001	10_B.N2
IGLC2	<0.001	1.245	0.882	0.113	<0.001	10_B.N2
LINC00926	<0.001	1.240	0.538	0.035	<0.001	10_B.N2
HLA-DPB1	<0.001	1.226	0.953	0.416	<0.001	10_B.N2
HLA-DRB1	<0.001	1.226	0.952	0.405	<0.001	10_B.N2
TCL1A	<0.001	1.193	0.480	0.061	<0.001	10_B.N2
BANK1	<0.001	1.177	0.525	0.046	<0.001	10_B.N2
IGLC3	<0.001	1.146	0.672	0.055	<0.001	10_B.N2
TNFRSF13C	<0.001	1.144	0.503	0.038	<0.001	10_B.N2
CD79B	<0.001	1.125	0.773	0.143	<0.001	10_B.N2
LTB	<0.001	1.076	0.884	0.367	<0.001	10_B.N2
BIRC3	<0.001	0.974	0.522	0.137	<0.001	10_B.N2
MEF2C	<0.001	0.969	0.573	0.178	<0.001	10_B.N2
HLA-DMB	<0.001	0.962	0.603	0.158	<0.001	10_B.N2
LINC01781	<0.001	0.958	0.266	0.017	<0.001	10_B.N2
CD83	<0.001	0.937	0.414	0.092	<0.001	10_B.N2
RALGPS2	<0.001	0.924	0.416	0.052	<0.001	10_B.N2
FCER2	<0.001	0.922	0.340	0.024	<0.001	10_B.N2
CD22	<0.001	0.851	0.374	0.037	<0.001	10_B.N2
HVCN1	<0.001	0.849	0.372	0.058	<0.001	10_B.N2
PLPP5	<0.001	0.823	0.342	0.081	<0.001	10_B.N2
VPREB3	<0.001	0.818	0.507	0.070	<0.001	10_B.N2
CD52	<0.001	0.800	0.967	0.693	<0.001	10_B.N2
FCRLA	<0.001	0.794	0.345	0.035	<0.001	10_B.N2
HLA-DMA	<0.001	0.786	0.676	0.272	<0.001	10_B.N2
ADAM28	<0.001	0.785	0.332	0.044	<0.001	10_B.N2
P2RX5	<0.001	0.782	0.359	0.050	<0.001	10_B.N2
CYB561A3	<0.001	0.749	0.380	0.115	<0.001	10_B.N2
BLK	<0.001	0.747	0.331	0.032	<0.001	10_B.N2
1-Mar	<0.001	0.742	0.376	0.077	<0.001	10_B.N2
SPIB	<0.001	0.717	0.323	0.044	<0.001	10_B.N2
ARHGAP24	<0.001	0.714	0.294	0.033	<0.001	10_B.N2
TSC22D3	<0.001	0.700	0.881	0.592	<0.001	10_B.N2

FAM129C	<0.001	0.692	0.328	0.050	<0.001	10_B.N2
HLA-DOB	<0.001	0.667	0.277	0.024	<0.001	10_B.N2
BCL11A	<0.001	0.659	0.389	0.133	<0.001	10_B.N2
EZR	<0.001	0.657	0.548	0.292	<0.001	10_B.N2
LAPTM5	<0.001	0.645	0.918	0.694	<0.001	10_B.N2
TCOF1	<0.001	0.631	0.392	0.167	<0.001	10_B.N2
GNG7	<0.001	0.626	0.322	0.069	<0.001	10_B.N2
POU2F2	<0.001	0.624	0.350	0.109	<0.001	10_B.N2
CD40	<0.001	0.623	0.268	0.033	<0.001	10_B.N2
SMIM14	<0.001	0.614	0.313	0.092	<0.001	10_B.N2
CXCR4	<0.001	0.602	0.866	0.585	<0.001	10_B.N2
NCF1	<0.001	0.601	0.556	0.225	<0.001	10_B.N2
NFKBID	<0.001	0.593	0.265	0.063	<0.001	10_B.N2
TPD52	<0.001	0.589	0.331	0.103	<0.001	10_B.N2
SNX2	<0.001	0.570	0.441	0.219	<0.001	10_B.N2
TSPAN13	<0.001	0.566	0.263	0.091	<0.001	10_B.N2
ISG20	<0.001	0.561	0.565	0.293	<0.001	10_B.N2
FCMR	<0.001	0.550	0.335	0.099	<0.001	10_B.N2
ORAI2	<0.001	0.545	0.329	0.109	<0.001	10_B.N2
SWAP70	<0.001	0.542	0.259	0.052	<0.001	10_B.N2
IRF8	<0.001	0.531	0.343	0.098	<0.001	10_B.N2
LY86	<0.001	0.530	0.404	0.142	<0.001	10_B.N2
STX7	<0.001	0.528	0.296	0.125	<0.001	10_B.N2
PDLIM1	<0.001	0.528	0.337	0.102	<0.001	10_B.N2
SYPL1	<0.001	0.510	0.403	0.202	<0.001	10_B.N2
RCSD1	<0.001	0.508	0.475	0.237	<0.001	10_B.N2
BTG1	<0.001	0.504	0.963	0.811	<0.001	10_B.N2
CXCL8	<0.001	3.113	0.984	0.066	<0.001	11_CD14.Mono3
G0S2	<0.001	1.884	0.574	0.092	<0.001	11_CD14.Mono3
S100A9	<0.001	1.716	0.999	0.314	<0.001	11_CD14.Mono3
S100A12	<0.001	1.646	0.945	0.188	<0.001	11_CD14.Mono3
NAMPT	<0.001	1.632	0.843	0.238	<0.001	11_CD14.Mono3
S100A8	<0.001	1.499	0.998	0.296	<0.001	11_CD14.Mono3
FCN1	<0.001	1.491	0.918	0.212	<0.001	11_CD14.Mono3
VCAN	<0.001	1.447	0.805	0.165	<0.001	11_CD14.Mono3
LYZ	<0.001	1.393	0.986	0.321	<0.001	11_CD14.Mono3
FOS	<0.001	1.361	0.946	0.537	<0.001	11_CD14.Mono3
CTSS	<0.001	1.342	0.913	0.401	<0.001	11_CD14.Mono3
CSTA	<0.001	1.341	0.876	0.216	<0.001	11_CD14.Mono3
TYROBP	<0.001	1.337	0.986	0.380	<0.001	11_CD14.Mono3
CD14	<0.001	1.325	0.654	0.119	<0.001	11_CD14.Mono3
PLAUR	<0.001	1.290	0.587	0.128	<0.001	11_CD14.Mono3
MAFB	<0.001	1.276	0.491	0.090	<0.001	11_CD14.Mono3

ZFP36L1	<0.001	1.257	0.531	0.267	<0.001	11_CD14.Mono3
SAT1	<0.001	1.251	0.933	0.541	<0.001	11_CD14.Mono3
DUSP1	<0.001	1.229	0.940	0.644	<0.001	11_CD14.Mono3
NFKBIA	<0.001	1.226	0.777	0.477	<0.001	11_CD14.Mono3
CLEC7A	<0.001	1.224	0.624	0.126	<0.001	11_CD14.Mono3
MNDA	<0.001	1.202	0.663	0.180	<0.001	11_CD14.Mono3
SRGN	<0.001	1.193	0.989	0.715	<0.001	11_CD14.Mono3
FTL	<0.001	1.192	0.998	0.967	<0.001	11_CD14.Mono3
S100A11	<0.001	1.185	0.867	0.354	<0.001	11_CD14.Mono3
SLC2A3	<0.001	1.173	0.605	0.251	<0.001	11_CD14.Mono3
S100A6	<0.001	1.161	0.998	0.801	<0.001	11_CD14.Mono3
LST1	<0.001	1.158	0.921	0.295	<0.001	11_CD14.Mono3
NEAT1	<0.001	1.149	0.946	0.626	<0.001	11_CD14.Mono3
SERPINA1	<0.001	1.139	0.662	0.141	<0.001	11_CD14.Mono3
AIF1	<0.001	1.120	0.898	0.337	<0.001	11_CD14.Mono3
RGS2	<0.001	1.112	0.715	0.282	<0.001	11_CD14.Mono3
BCL2A1	<0.001	1.107	0.442	0.114	<0.001	11_CD14.Mono3
FTH1	<0.001	1.106	0.994	0.963	<0.001	11_CD14.Mono3
CST3	<0.001	1.093	0.941	0.339	<0.001	11_CD14.Mono3
TYMP	<0.001	1.093	0.761	0.285	<0.001	11_CD14.Mono3
DUSP6	<0.001	1.088	0.418	0.092	<0.001	11_CD14.Mono3
AP1S2	<0.001	1.079	0.710	0.297	<0.001	11_CD14.Mono3
RBP7	<0.001	1.072	0.422	0.057	<0.001	11_CD14.Mono3
MS4A6A	<0.001	1.033	0.592	0.141	<0.001	11_CD14.Mono3
MCL1	<0.001	1.030	0.768	0.399	<0.001	11_CD14.Mono3
STXBP2	<0.001	1.020	0.699	0.296	<0.001	11_CD14.Mono3
AC020656.1	<0.001	1.020	0.531	0.134	<0.001	11_CD14.Mono3
S100A4	<0.001	0.998	0.992	0.760	<0.001	11_CD14.Mono3
FCER1G	<0.001	0.992	0.864	0.304	<0.001	11_CD14.Mono3
SGK1	<0.001	0.991	0.385	0.079	<0.001	11_CD14.Mono3
TSPO	<0.001	0.988	0.874	0.535	<0.001	11_CD14.Mono3
CEBPB	<0.001	0.985	0.581	0.282	<0.001	11_CD14.Mono3
RAB31	<0.001	0.984	0.490	0.122	<0.001	11_CD14.Mono3
HIF1A	<0.001	0.983	0.504	0.214	<0.001	11_CD14.Mono3
ATP2B1-AS1	<0.001	0.981	0.536	0.183	<0.001	11_CD14.Mono3
CFD	<0.001	0.977	0.650	0.189	<0.001	11_CD14.Mono3
LGALS1	<0.001	0.973	0.948	0.433	<0.001	11_CD14.Mono3
PSAP	<0.001	0.973	0.844	0.446	<0.001	11_CD14.Mono3
IL1B	<0.001	0.971	0.271	0.053	<0.001	11_CD14.Mono3
KLF4	<0.001	0.964	0.466	0.123	<0.001	11_CD14.Mono3
AC245014.3	<0.001	0.946	0.487	0.237	<0.001	11_CD14.Mono3
AC007952.4	<0.001	0.938	0.546	0.263	<0.001	11_CD14.Mono3
PLBD1	<0.001	0.925	0.404	0.085	<0.001	11_CD14.Mono3

CTSD	<0.001	0.922	0.705	0.344	<0.001	11_CD14.Mono3
CEBPD	<0.001	0.911	0.477	0.144	<0.001	11_CD14.Mono3
LGALS2	<0.001	0.909	0.412	0.095	<0.001	11_CD14.Mono3
CSF3R	<0.001	0.897	0.426	0.109	<0.001	11_CD14.Mono3
CYBB	<0.001	0.894	0.481	0.129	<0.001	11_CD14.Mono3
ASAH1	<0.001	0.894	0.627	0.292	<0.001	11_CD14.Mono3
CFP	<0.001	0.889	0.515	0.143	<0.001	11_CD14.Mono3
MPEG1	<0.001	0.878	0.431	0.110	<0.001	11_CD14.Mono3
TNFSF13B	<0.001	0.868	0.472	0.150	<0.001	11_CD14.Mono3
TKT	<0.001	0.868	0.697	0.375	<0.001	11_CD14.Mono3
GRN	<0.001	0.857	0.557	0.227	<0.001	11_CD14.Mono3
KLF6	<0.001	0.856	0.804	0.505	<0.001	11_CD14.Mono3
FGL2	<0.001	0.855	0.407	0.108	<0.001	11_CD14.Mono3
TREM1	<0.001	0.854	0.345	0.061	<0.001	11_CD14.Mono3
GLUL	<0.001	0.853	0.514	0.248	<0.001	11_CD14.Mono3
CD68	<0.001	0.841	0.473	0.126	<0.001	11_CD14.Mono3
SPI1	<0.001	0.838	0.574	0.202	<0.001	11_CD14.Mono3
FPR1	<0.001	0.835	0.344	0.061	<0.001	11_CD14.Mono3
ATP2B1	<0.001	0.832	0.449	0.208	<0.001	11_CD14.Mono3
MARCKS	<0.001	0.824	0.364	0.103	<0.001	11_CD14.Mono3
FCGRT	<0.001	0.821	0.561	0.252	<0.001	11_CD14.Mono3
COTL1	<0.001	0.819	0.823	0.442	<0.001	11_CD14.Mono3
C5AR1	<0.001	0.817	0.330	0.056	<0.001	11_CD14.Mono3
VIM	<0.001	0.816	0.924	0.644	<0.001	11_CD14.Mono3
SLC11A1	<0.001	0.813	0.367	0.087	<0.001	11_CD14.Mono3
IRF2BP2	<0.001	0.812	0.455	0.285	<0.001	11_CD14.Mono3
FOSL2	<0.001	0.808	0.442	0.150	<0.001	11_CD14.Mono3
TIMP1	<0.001	0.805	0.617	0.285	<0.001	11_CD14.Mono3
CDA	<0.001	0.797	0.356	0.070	<0.001	11_CD14.Mono3
APLP2	<0.001	0.795	0.552	0.273	<0.001	11_CD14.Mono3
SOD2	<0.001	0.790	0.341	0.141	<0.001	11_CD14.Mono3
LY96	<0.001	0.784	0.388	0.121	<0.001	11_CD14.Mono3
CD36	<0.001	0.783	0.473	0.165	<0.001	11_CD14.Mono3
MGST1	<0.001	0.775	0.420	0.132	<0.001	11_CD14.Mono3
NINJ1	<0.001	0.771	0.388	0.140	<0.001	11_CD14.Mono3
KLF10	<0.001	0.770	0.379	0.162	<0.001	11_CD14.Mono3
NCF1	<0.001	0.761	0.503	0.226	<0.001	11_CD14.Mono3
GCA	<0.001	0.744	0.359	0.146	<0.001	11_CD14.Mono3
CD302	<0.001	0.739	0.375	0.115	<0.001	11_CD14.Mono3
JUND	<0.001	0.738	0.744	0.477	<0.001	11_CD14.Mono3
ATP6V0B	<0.001	0.738	0.638	0.393	<0.001	11_CD14.Mono3
IQGAP1	<0.001	0.737	0.610	0.342	<0.001	11_CD14.Mono3
CYBA	<0.001	0.730	0.969	0.788	<0.001	11_CD14.Mono3

NFKBIZ	<0.001	0.728	0.380	0.162	<0.001	11_CD14.Mono3
C4orf48	<0.001	0.727	0.542	0.250	<0.001	11_CD14.Mono3
RHOB	<0.001	0.725	0.348	0.133	<0.001	11_CD14.Mono3
BASP1	<0.001	0.725	0.281	0.081	<0.001	11_CD14.Mono3
AC245128.3	<0.001	0.721	0.272	0.040	<0.001	11_CD14.Mono3
PYCARD	<0.001	0.717	0.554	0.275	<0.001	11_CD14.Mono3
QPCT	<0.001	0.716	0.285	0.050	<0.001	11_CD14.Mono3
MXD1	<0.001	0.713	0.320	0.110	<0.001	11_CD14.Mono3
METTL9	<0.001	0.711	0.534	0.325	<0.001	11_CD14.Mono3
OTUD1	<0.001	0.711	0.288	0.081	<0.001	11_CD14.Mono3
PLSCR1	<0.001	0.709	0.379	0.173	<0.001	11_CD14.Mono3
TRIB1	<0.001	0.708	0.279	0.064	<0.001	11_CD14.Mono3
SDCBP	<0.001	0.705	0.562	0.343	<0.001	11_CD14.Mono3
ATP5MPL	<0.001	0.703	0.896	0.715	<0.001	11_CD14.Mono3
BRI3	<0.001	0.693	0.399	0.177	<0.001	11_CD14.Mono3
VSIR	<0.001	0.693	0.580	0.313	<0.001	11_CD14.Mono3
STX11	<0.001	0.686	0.351	0.114	<0.001	11_CD14.Mono3
UPP1	<0.001	0.685	0.366	0.148	<0.001	11_CD14.Mono3
VMP1	<0.001	0.684	0.463	0.256	<0.001	11_CD14.Mono3
EMP3	<0.001	0.681	0.853	0.641	<0.001	11_CD14.Mono3
IER3	<0.001	0.677	0.255	0.054	<0.001	11_CD14.Mono3
LILRA5	<0.001	0.673	0.300	0.067	<0.001	11_CD14.Mono3
PLEK	<0.001	0.673	0.436	0.195	<0.001	11_CD14.Mono3
CAPG	<0.001	0.671	0.429	0.177	<0.001	11_CD14.Mono3
GAPDH	<0.001	0.669	0.948	0.823	<0.001	11_CD14.Mono3
ANXA1	<0.001	0.668	0.736	0.462	<0.001	11_CD14.Mono3
RNF130	<0.001	0.667	0.446	0.210	<0.001	11_CD14.Mono3
NPC2	<0.001	0.666	0.648	0.382	<0.001	11_CD14.Mono3
S100A10	<0.001	0.665	0.769	0.522	<0.001	11_CD14.Mono3
FOSB	<0.001	0.659	0.484	0.305	<0.001	11_CD14.Mono3
ZFAND5	<0.001	0.650	0.431	0.234	<0.001	11_CD14.Mono3
LGALS3	<0.001	0.649	0.395	0.168	<0.001	11_CD14.Mono3
LAMTOR4	<0.001	0.648	0.750	0.559	<0.001	11_CD14.Mono3
OAZ1	<0.001	0.647	0.948	0.809	<0.001	11_CD14.Mono3
AGTRAP	<0.001	0.647	0.395	0.180	<0.001	11_CD14.Mono3
EVI2B	<0.001	0.640	0.608	0.394	<0.001	11_CD14.Mono3
ZFP36	<0.001	0.639	0.687	0.467	<0.001	11_CD14.Mono3
NCF2	<0.001	0.639	0.292	0.075	<0.001	11_CD14.Mono3
SMIM25	<0.001	0.639	0.268	0.059	<0.001	11_CD14.Mono3
GSTP1	<0.001	0.630	0.779	0.534	<0.001	11_CD14.Mono3
ELOB	<0.001	0.630	0.836	0.669	<0.001	11_CD14.Mono3
NUP214	<0.001	0.628	0.343	0.131	<0.001	11_CD14.Mono3
IVNS1ABP	<0.001	0.625	0.297	0.133	<0.001	11_CD14.Mono3

CLEC4A	<0.001	0.621	0.290	0.072	<0.001	11_CD14.Mono3
TMEM170B	<0.001	0.619	0.261	0.056	<0.001	11_CD14.Mono3
ANXA5	<0.001	0.615	0.458	0.228	<0.001	11_CD14.Mono3
LCP1	<0.001	0.614	0.629	0.413	<0.001	11_CD14.Mono3
IER5	<0.001	0.614	0.297	0.135	<0.001	11_CD14.Mono3
KCTD12	<0.001	0.613	0.294	0.080	<0.001	11_CD14.Mono3
ODF3B	<0.001	0.612	0.279	0.087	<0.001	11_CD14.Mono3
PTPRE	<0.001	0.612	0.382	0.162	<0.001	11_CD14.Mono3
IRS2	<0.001	0.608	0.320	0.128	<0.001	11_CD14.Mono3
CARD16	<0.001	0.595	0.435	0.246	<0.001	11_CD14.Mono3
PCBP1	<0.001	0.590	0.641	0.480	<0.001	11_CD14.Mono3
DAZAP2	<0.001	0.588	0.690	0.537	<0.001	11_CD14.Mono3
GLIPR1	<0.001	0.585	0.412	0.207	<0.001	11_CD14.Mono3
BST1	<0.001	0.583	0.263	0.063	<0.001	11_CD14.Mono3
C1orf162	<0.001	0.583	0.502	0.269	<0.001	11_CD14.Mono3
ITGAM	<0.001	0.577	0.281	0.076	<0.001	11_CD14.Mono3
LTA4H	<0.001	0.575	0.367	0.217	<0.001	11_CD14.Mono3
FKBP1A	<0.001	0.574	0.659	0.464	<0.001	11_CD14.Mono3
RTN3	<0.001	0.573	0.369	0.207	<0.001	11_CD14.Mono3
CD44	<0.001	0.572	0.649	0.491	<0.001	11_CD14.Mono3
RNASE6	<0.001	0.571	0.357	0.134	<0.001	11_CD14.Mono3
RAC1	<0.001	0.569	0.623	0.447	<0.001	11_CD14.Mono3
CKAP4	<0.001	0.568	0.257	0.069	<0.001	11_CD14.Mono3
C19orf38	<0.001	0.567	0.268	0.075	<0.001	11_CD14.Mono3
PGD	<0.001	0.567	0.327	0.158	<0.001	11_CD14.Mono3
CLEC12A	<0.001	0.566	0.286	0.084	<0.001	11_CD14.Mono3
IFNGR2	<0.001	0.566	0.293	0.127	<0.001	11_CD14.Mono3
TGFBI	<0.001	0.564	0.279	0.078	<0.001	11_CD14.Mono3
SLC7A7	<0.001	0.563	0.281	0.067	<0.001	11_CD14.Mono3
SCPEP1	<0.001	0.557	0.336	0.170	<0.001	11_CD14.Mono3
GPCPD1	<0.001	0.557	0.316	0.137	<0.001	11_CD14.Mono3
TMEM167A	<0.001	0.556	0.385	0.232	<0.001	11_CD14.Mono3
CNPY3	<0.001	0.555	0.461	0.286	<0.001	11_CD14.Mono3
TALDO1	<0.001	0.552	0.515	0.342	<0.001	11_CD14.Mono3
UBE2D1	<0.001	0.548	0.279	0.118	<0.001	11_CD14.Mono3
AP2S1	<0.001	0.546	0.578	0.387	<0.001	11_CD14.Mono3
JAML	<0.001	0.545	0.304	0.127	<0.001	11_CD14.Mono3
SERPINB1	<0.001	0.542	0.511	0.326	<0.001	11_CD14.Mono3
CTSH	<0.001	0.542	0.328	0.128	<0.001	11_CD14.Mono3
GLIPR2	<0.001	0.539	0.363	0.192	<0.001	11_CD14.Mono3
CTSZ	<0.001	0.534	0.309	0.140	<0.001	11_CD14.Mono3
CCNL1	<0.001	0.527	0.599	0.467	<0.001	11_CD14.Mono3
TLE3	<0.001	0.525	0.252	0.113	<0.001	11_CD14.Mono3

PTP4A2	<0.001	0.524	0.631	0.484	<0.001	11_CD14.Mono3
SH3BGRL3	<0.001	0.519	0.932	0.797	<0.001	11_CD14.Mono3
H3F3A	<0.001	0.518	0.961	0.887	<0.001	11_CD14.Mono3
ARRB2	<0.001	0.516	0.411	0.236	<0.001	11_CD14.Mono3
FGR	<0.001	0.513	0.347	0.146	<0.001	11_CD14.Mono3
ANXA2	<0.001	0.510	0.529	0.294	<0.001	11_CD14.Mono3
EVI2A	<0.001	0.510	0.349	0.179	<0.001	11_CD14.Mono3
LYN	<0.001	0.510	0.384	0.204	<0.001	11_CD14.Mono3
LY86	<0.001	0.504	0.336	0.144	<0.001	11_CD14.Mono3
CHP1	<0.001	0.503	0.321	0.161	<0.001	11_CD14.Mono3
GNAI2	<0.001	0.522	0.430	0.274	<0.001	11_CD14.Mono3
STK17B	<0.001	0.514	0.532	0.382	<0.001	11_CD14.Mono3
RAP2B	<0.001	0.519	0.300	0.164	<0.001	11_CD14.Mono3
TMEM107	<0.001	0.738	0.286	0.155	<0.001	11_CD14.Mono3
CTNNB1	<0.001	0.509	0.333	0.200	<0.001	11_CD14.Mono3
CD55	<0.001	0.502	0.373	0.239	<0.001	11_CD14.Mono3
AC103591.3	<0.001	0.601	0.346	0.223	<0.001	11_CD14.Mono3
ALOX5AP	<0.001	0.526	0.381	0.244	<0.001	11_CD14.Mono3
CD79B	<0.001	2.970	0.977	0.140	<0.001	12_Pro.B
TCL1A	<0.001	2.836	0.879	0.052	<0.001	12_Pro.B
HIST1H1C	<0.001	2.714	0.735	0.192	<0.001	12_Pro.B
IGHM	<0.001	2.259	0.985	0.136	<0.001	12_Pro.B
VPREB3	<0.001	2.212	0.807	0.064	<0.001	12_Pro.B
SOX4	<0.001	2.157	0.749	0.143	<0.001	12_Pro.B
CD24	<0.001	1.944	0.653	0.051	<0.001	12_Pro.B
PCDH9	<0.001	1.887	0.558	0.022	<0.001	12_Pro.B
VPREB1	<0.001	1.812	0.421	0.028	<0.001	12_Pro.B
BCL7A	<0.001	1.807	0.590	0.084	<0.001	12_Pro.B
NSMCE1	<0.001	1.776	0.536	0.187	<0.001	12_Pro.B
NEIL1	<0.001	1.771	0.508	0.032	<0.001	12_Pro.B
FAM129C	<0.001	1.731	0.566	0.045	<0.001	12_Pro.B
ACSM3	<0.001	1.724	0.425	0.041	<0.001	12_Pro.B
CCDC191	<0.001	1.653	0.428	0.015	<0.001	12_Pro.B
RCSD1	<0.001	1.633	0.705	0.232	<0.001	12_Pro.B
CD79A	<0.001	1.599	0.741	0.126	<0.001	12_Pro.B
MZB1	<0.001	1.595	0.636	0.081	<0.001	12_Pro.B
SNHG7	<0.001	1.554	0.623	0.260	<0.001	12_Pro.B
HIST1H2AC	<0.001	1.525	0.426	0.055	<0.001	12_Pro.B
CD9	<0.001	1.476	0.440	0.047	<0.001	12_Pro.B
IGLL1	<0.001	1.468	0.362	0.063	<0.001	12_Pro.B
CDC25B	<0.001	1.454	0.440	0.109	<0.001	12_Pro.B
RGS2	<0.001	1.384	0.623	0.287	<0.001	12_Pro.B
CCDC112	<0.001	1.373	0.354	0.072	<0.001	12_Pro.B

IRF4	<0.001	1.334	0.345	0.030	<0.001	12_Pro.B
IGLL5	<0.001	1.309	0.307	0.012	<0.001	12_Pro.B
RUBCNL	<0.001	1.305	0.360	0.031	<0.001	12_Pro.B
AFF3	<0.001	1.277	0.377	0.045	<0.001	12_Pro.B
CD74	<0.001	1.273	0.993	0.636	<0.001	12_Pro.B
LHPP	<0.001	1.267	0.303	0.064	<0.001	12_Pro.B
FCRLA	<0.001	1.264	0.355	0.036	<0.001	12_Pro.B
CFAP73	<0.001	1.247	0.277	0.006	<0.001	12_Pro.B
HLA-DRA	<0.001	1.238	0.976	0.453	<0.001	12_Pro.B
SPIB	<0.001	1.232	0.363	0.044	<0.001	12_Pro.B
BACH2	<0.001	1.229	0.350	0.045	<0.001	12_Pro.B
LDLRAD4	<0.001	1.227	0.324	0.056	<0.001	12_Pro.B
HIST1H2BG	<0.001	1.220	0.261	0.065	<0.001	12_Pro.B
C16orf74	<0.001	1.217	0.345	0.048	<0.001	12_Pro.B
TMEM243	<0.001	1.203	0.511	0.194	<0.001	12_Pro.B
YBX3	<0.001	1.201	0.521	0.218	<0.001	12_Pro.B
AL031777.3	<0.001	1.197	0.257	0.043	<0.001	12_Pro.B
CMTM7	<0.001	1.180	0.433	0.152	<0.001	12_Pro.B
CD37	<0.001	1.154	0.862	0.612	<0.001	12_Pro.B
HRK	<0.001	1.150	0.263	0.009	<0.001	12_Pro.B
TCF4	<0.001	1.148	0.397	0.103	<0.001	12_Pro.B
CD38	<0.001	1.128	0.338	0.073	<0.001	12_Pro.B
MME	<0.001	1.119	0.267	0.015	<0.001	12_Pro.B
PPP1R14A	<0.001	1.086	0.275	0.049	<0.001	12_Pro.B
STMN1	<0.001	1.086	0.580	0.220	<0.001	12_Pro.B
CD72	<0.001	1.062	0.294	0.032	<0.001	12_Pro.B
SPINT2	<0.001	1.056	0.417	0.198	<0.001	12_Pro.B
REXO2	<0.001	1.051	0.342	0.159	<0.001	12_Pro.B
MDM4	<0.001	1.045	0.480	0.290	<0.001	12_Pro.B
C7orf50	<0.001	1.017	0.411	0.210	<0.001	12_Pro.B
IGLC3	<0.001	1.017	0.403	0.066	<0.001	12_Pro.B
HLA-DMA	<0.001	1.013	0.587	0.277	<0.001	12_Pro.B
LIMD2	<0.001	1.008	0.743	0.527	<0.001	12_Pro.B
TRABD	<0.001	0.993	0.429	0.249	<0.001	12_Pro.B
STIM2	<0.001	0.990	0.294	0.089	<0.001	12_Pro.B
PHACTR1	<0.001	0.986	0.305	0.112	<0.001	12_Pro.B
CXXC5	<0.001	0.982	0.331	0.126	<0.001	12_Pro.B
FOXP1	<0.001	0.974	0.527	0.341	<0.001	12_Pro.B
EBF1	<0.001	0.970	0.255	0.027	<0.001	12_Pro.B
HLA-DMB	<0.001	0.966	0.413	0.166	<0.001	12_Pro.B
QRSL1	<0.001	0.965	0.274	0.070	<0.001	12_Pro.B
HCK	<0.001	0.963	0.297	0.074	<0.001	12_Pro.B
TCOF1	<0.001	0.953	0.348	0.169	<0.001	12_Pro.B

ZEB2	<0.001	0.952	0.552	0.313	<0.001	12_Pro.B
MSI2	<0.001	0.946	0.318	0.135	<0.001	12_Pro.B
P2RX5	<0.001	0.946	0.269	0.054	<0.001	12_Pro.B
NCF1	<0.001	0.929	0.509	0.228	<0.001	12_Pro.B
ORAI2	<0.001	0.926	0.302	0.111	<0.001	12_Pro.B
SSBP2	<0.001	0.920	0.267	0.084	<0.001	12_Pro.B
BTG1	<0.001	0.902	0.957	0.812	<0.001	12_Pro.B
ZCCHC7	<0.001	0.900	0.313	0.129	<0.001	12_Pro.B
GNG7	<0.001	0.873	0.261	0.072	<0.001	12_Pro.B
UCP2	<0.001	0.872	0.542	0.379	<0.001	12_Pro.B
PTMA	<0.001	0.871	1.000	0.976	<0.001	12_Pro.B
CXCR4	<0.001	0.861	0.820	0.588	<0.001	12_Pro.B
LAPTM5	<0.001	0.859	0.814	0.698	<0.001	12_Pro.B
ITM2C	<0.001	0.858	0.325	0.124	<0.001	12_Pro.B
PLEKHA2	<0.001	0.855	0.297	0.116	<0.001	12_Pro.B
HLA-DPB1	<0.001	0.844	0.792	0.423	<0.001	12_Pro.B
ERP29	<0.001	0.839	0.657	0.529	<0.001	12_Pro.B
BAZ2A	<0.001	0.831	0.319	0.172	<0.001	12_Pro.B
SYK	<0.001	0.826	0.273	0.106	<0.001	12_Pro.B
H3F3B	<0.001	0.824	0.990	0.955	<0.001	12_Pro.B
CCDC69	<0.001	0.798	0.351	0.202	<0.001	12_Pro.B
HLA-DQB1	<0.001	0.788	0.569	0.274	<0.001	12_Pro.B
ISG20	<0.001	0.783	0.458	0.297	<0.001	12_Pro.B
IGHD	<0.001	0.770	0.345	0.068	<0.001	12_Pro.B
IGLC2	<0.001	0.768	0.671	0.123	<0.001	12_Pro.B
YPEL5	<0.001	0.753	0.578	0.433	<0.001	12_Pro.B
PNISR	<0.001	0.687	0.635	0.553	<0.001	12_Pro.B
CCNI	<0.001	0.622	0.710	0.660	<0.001	12_Pro.B
HNRNPA1	<0.001	0.620	0.893	0.840	<0.001	12_Pro.B
CIRBP	<0.001	0.617	0.812	0.759	<0.001	12_Pro.B
HLA-DPA1	<0.001	0.604	0.643	0.380	<0.001	12_Pro.B
SLC25A6	<0.001	0.595	0.843	0.793	<0.001	12_Pro.B
H3F3A	<0.001	0.594	0.941	0.888	<0.001	12_Pro.B
UBB	<0.001	0.590	0.845	0.761	<0.001	12_Pro.B
NOP53	<0.001	0.575	0.803	0.736	<0.001	12_Pro.B
MALAT1	<0.001	0.508	1.000	0.983	<0.001	12_Pro.B
STX7	<0.001	0.780	0.265	0.127	<0.001	12_Pro.B
TFDP2	<0.001	0.838	0.280	0.143	<0.001	12_Pro.B
ARID1B	<0.001	0.839	0.367	0.228	<0.001	12_Pro.B
CD69	<0.001	0.766	0.441	0.288	<0.001	12_Pro.B
LAT2	<0.001	0.641	0.267	0.134	<0.001	12_Pro.B
SYF2	<0.001	0.719	0.522	0.438	<0.001	12_Pro.B
RHOH	<0.001	0.725	0.327	0.192	<0.001	12_Pro.B

GABPB1-AS1	<0.001	0.804	0.317	0.187	<0.001	12_Pro.B
H1FX	<0.001	0.666	0.472	0.353	<0.001	12_Pro.B
CDC40	<0.001	0.763	0.283	0.163	<0.001	12_Pro.B
RBM3	<0.001	0.513	0.655	0.644	<0.001	12_Pro.B
GLO1	<0.001	0.796	0.298	0.186	<0.001	12_Pro.B
TRAM1	<0.001	0.771	0.414	0.319	<0.001	12_Pro.B
SLC25A5	<0.001	0.574	0.516	0.439	<0.001	12_Pro.B
LYN	<0.001	0.607	0.330	0.206	<0.001	12_Pro.B
HNRNPA0	<0.001	0.578	0.550	0.511	<0.001	12_Pro.B
PNN	<0.001	0.707	0.416	0.326	<0.001	12_Pro.B
ARGLU1	<0.001	0.652	0.483	0.426	<0.001	12_Pro.B
SF1	<0.001	0.590	0.542	0.510	<0.001	12_Pro.B
SP110	<0.001	0.680	0.318	0.213	<0.001	12_Pro.B
VDAC1	<0.001	0.756	0.369	0.281	<0.001	12_Pro.B
CDKN2D	<0.001	0.588	0.333	0.226	<0.001	12_Pro.B
CHD9	<0.001	0.690	0.270	0.172	<0.001	12_Pro.B
PRKCB	<0.001	0.597	0.330	0.232	<0.001	12_Pro.B
LSM7	<0.001	0.561	0.499	0.462	<0.001	12_Pro.B
PRDX1	<0.001	0.612	0.413	0.341	<0.001	12_Pro.B
UGP2	<0.001	0.731	0.312	0.227	<0.001	12_Pro.B
PARP1	<0.001	0.646	0.299	0.212	<0.001	12_Pro.B
C6orf48	<0.001	0.562	0.500	0.463	<0.001	12_Pro.B
UBXN1	<0.001	0.607	0.464	0.430	<0.001	12_Pro.B
TAF7	<0.001	0.619	0.365	0.291	<0.001	12_Pro.B
SAP18	<0.001	0.540	0.525	0.518	<0.001	12_Pro.B
MARCKSL1	<0.001	0.636	0.279	0.192	<0.001	12_Pro.B
EIF1B	<0.001	0.640	0.379	0.313	<0.001	12_Pro.B
SEPTIN6	<0.001	0.606	0.364	0.289	<0.001	12_Pro.B
EBLN3P	<0.001	0.611	0.257	0.173	<0.001	12_Pro.B
PMAIP1	<0.001	0.618	0.272	0.185	<0.001	12_Pro.B
MAP1LC3B	<0.001	0.624	0.383	0.322	<0.001	12_Pro.B
SMARCB1	<0.001	0.621	0.266	0.193	<0.001	12_Pro.B
LUC7L3	<0.001	0.616	0.359	0.302	<0.001	12_Pro.B
BTG2	<0.001	0.543	0.334	0.260	<0.001	12_Pro.B
JMJD1C	<0.001	0.565	0.276	0.216	<0.001	12_Pro.B
DONSON	<0.001	0.627	0.322	0.273	<0.001	12_Pro.B
LGALS9	<0.001	0.551	0.254	0.197	<0.001	12_Pro.B
WASF2	<0.001	0.569	0.306	0.260	<0.001	12_Pro.B
PPP1R2	<0.001	0.543	0.347	0.314	<0.001	12_Pro.B
TLE4	<0.001	0.516	0.296	0.244	<0.001	12_Pro.B
EPC1	<0.001	0.514	0.369	0.347	<0.001	12_Pro.B
UBE2J1	<0.001	0.535	0.261	0.215	<0.001	12_Pro.B
MAF1	<0.001	0.548	0.310	0.277	<0.001	12_Pro.B

MAPRE1	<0.001	0.531	0.255	0.226	<0.001	12_Pro.B
TNRC6B	<0.001	0.503	0.301	0.278	<0.001	12_Pro.B
TRA2A	<0.001	0.526	0.286	0.267	<0.001	12_Pro.B
RAB11A	<0.001	0.513	0.272	0.259	<0.001	12_Pro.B
SPINK2	<0.001	2.005	0.846	0.020	<0.001	13_HSC.CMP
AVP	<0.001	1.417	0.445	0.001	<0.001	13_HSC.CMP
PRSS57	<0.001	1.413	0.821	0.044	<0.001	13_HSC.CMP
FAM30A	<0.001	1.284	0.770	0.059	<0.001	13_HSC.CMP
IGLL1	<0.001	1.212	0.579	0.058	<0.001	13_HSC.CMP
SMIM24	<0.001	1.130	0.728	0.014	<0.001	13_HSC.CMP
SOX4	<0.001	1.129	0.882	0.141	<0.001	13_HSC.CMP
ANKRD28	<0.001	1.125	0.852	0.131	<0.001	13_HSC.CMP
AREG	<0.001	1.104	0.525	0.103	<0.001	13_HSC.CMP
C1QTNF4	<0.001	1.083	0.543	0.009	<0.001	13_HSC.CMP
PRDX1	<0.001	1.077	0.915	0.328	<0.001	13_HSC.CMP
HSP90AB1	<0.001	1.060	0.982	0.525	<0.001	13_HSC.CMP
AC084033.3	<0.001	1.016	0.808	0.119	<0.001	13_HSC.CMP
CDK6	<0.001	0.994	0.794	0.103	<0.001	13_HSC.CMP
NPM1	<0.001	0.993	0.995	0.766	<0.001	13_HSC.CMP
ENO1	<0.001	0.992	0.953	0.461	<0.001	13_HSC.CMP
STMN1	<0.001	0.990	0.897	0.213	<0.001	13_HSC.CMP
H2AFY	<0.001	0.988	0.961	0.362	<0.001	13_HSC.CMP
NUCB2	<0.001	0.973	0.877	0.239	<0.001	13_HSC.CMP
EGFL7	<0.001	0.953	0.729	0.045	<0.001	13_HSC.CMP
SERPINB1	<0.001	0.939	0.917	0.316	<0.001	13_HSC.CMP
IMPDH2	<0.001	0.909	0.858	0.175	<0.001	13_HSC.CMP
EBPL	<0.001	0.888	0.855	0.150	<0.001	13_HSC.CMP
BEX3	<0.001	0.881	0.791	0.097	<0.001	13_HSC.CMP
ZFAS1	<0.001	0.854	0.987	0.599	<0.001	13_HSC.CMP
HMGA1	<0.001	0.823	0.879	0.230	<0.001	13_HSC.CMP
LDHB	<0.001	0.818	0.975	0.516	<0.001	13_HSC.CMP
HNRNPA1	<0.001	0.816	0.998	0.838	<0.001	13_HSC.CMP
HINT1	<0.001	0.814	0.991	0.729	<0.001	13_HSC.CMP
CYTL1	<0.001	0.803	0.607	0.042	<0.001	13_HSC.CMP
FABP5	<0.001	0.759	0.685	0.140	<0.001	13_HSC.CMP
CRHBP	<0.001	0.750	0.388	0.002	<0.001	13_HSC.CMP
ITM2C	<0.001	0.735	0.751	0.113	<0.001	13_HSC.CMP
DDAH2	<0.001	0.726	0.749	0.109	<0.001	13_HSC.CMP
EIF3E	<0.001	0.726	0.988	0.729	<0.001	13_HSC.CMP
IGFBP7	<0.001	0.726	0.683	0.094	<0.001	13_HSC.CMP
CLEC11A	<0.001	0.713	0.516	0.077	<0.001	13_HSC.CMP
HSPD1	<0.001	0.708	0.816	0.223	<0.001	13_HSC.CMP
CD34	<0.001	0.705	0.578	0.010	<0.001	13_HSC.CMP

MDK	<0.001	0.703	0.497	0.018	<0.001	13_HSC.CMP
MSI2	<0.001	0.702	0.759	0.123	<0.001	13_HSC.CMP
TSC22D1	<0.001	0.698	0.613	0.074	<0.001	13_HSC.CMP
TUBA1B	<0.001	0.698	0.902	0.405	<0.001	13_HSC.CMP
NAP1L1	<0.001	0.696	0.982	0.656	<0.001	13_HSC.CMP
APEX1	<0.001	0.685	0.835	0.246	<0.001	13_HSC.CMP
SYPL1	<0.001	0.671	0.794	0.193	<0.001	13_HSC.CMP
GAPDH	<0.001	0.670	0.994	0.822	<0.001	13_HSC.CMP
MPO	<0.001	0.659	0.261	0.045	<0.001	13_HSC.CMP
CAT	<0.001	0.653	0.767	0.217	<0.001	13_HSC.CMP
EEF1B2	<0.001	0.648	0.992	0.804	<0.001	13_HSC.CMP
BTF3	<0.001	0.636	0.994	0.831	<0.001	13_HSC.CMP
YWHAE	<0.001	0.630	0.870	0.273	<0.001	13_HSC.CMP
RACK1	<0.001	0.628	0.998	0.921	<0.001	13_HSC.CMP
AC002454.1	<0.001	0.628	0.436	0.019	<0.001	13_HSC.CMP
ARMH1	<0.001	0.627	0.665	0.100	<0.001	13_HSC.CMP
BZW2	<0.001	0.619	0.690	0.122	<0.001	13_HSC.CMP
DUT	<0.001	0.619	0.846	0.311	<0.001	13_HSC.CMP
TXN	<0.001	0.616	0.931	0.377	<0.001	13_HSC.CMP
EEF2	<0.001	0.613	0.989	0.773	<0.001	13_HSC.CMP
BCL11A	<0.001	0.613	0.677	0.128	<0.001	13_HSC.CMP
HSPB1	<0.001	0.608	0.786	0.253	<0.001	13_HSC.CMP
ANP32B	<0.001	0.608	0.957	0.469	<0.001	13_HSC.CMP
NME1	<0.001	0.605	0.706	0.171	<0.001	13_HSC.CMP
SNHG8	<0.001	0.602	0.942	0.435	<0.001	13_HSC.CMP
SNRPE	<0.001	0.599	0.922	0.381	<0.001	13_HSC.CMP
CD164	<0.001	0.595	0.846	0.349	<0.001	13_HSC.CMP
ESD	<0.001	0.591	0.867	0.274	<0.001	13_HSC.CMP
PEBP1	<0.001	0.590	0.903	0.371	<0.001	13_HSC.CMP
NREP	<0.001	0.585	0.543	0.062	<0.001	13_HSC.CMP
EIF3L	<0.001	0.582	0.957	0.523	<0.001	13_HSC.CMP
TALDO1	<0.001	0.579	0.896	0.333	<0.001	13_HSC.CMP
NPDC1	<0.001	0.572	0.507	0.026	<0.001	13_HSC.CMP
NPR3	<0.001	0.569	0.470	0.022	<0.001	13_HSC.CMP
TUBB	<0.001	0.567	0.863	0.306	<0.001	13_HSC.CMP
MEST	<0.001	0.558	0.539	0.044	<0.001	13_HSC.CMP
GSTP1	<0.001	0.553	0.963	0.531	<0.001	13_HSC.CMP
MGST1	<0.001	0.546	0.617	0.128	<0.001	13_HSC.CMP
BEX1	<0.001	0.545	0.274	0.004	<0.001	13_HSC.CMP
CPA3	<0.001	0.545	0.279	0.005	<0.001	13_HSC.CMP
C6orf48	<0.001	0.542	0.943	0.452	<0.001	13_HSC.CMP
NASP	<0.001	0.531	0.700	0.197	<0.001	13_HSC.CMP
CLNS1A	<0.001	0.529	0.800	0.244	<0.001	13_HSC.CMP

ACTG1	<0.001	0.525	0.987	0.741	<0.001	13_HSC.CMP
SNHG19	<0.001	0.521	0.576	0.091	<0.001	13_HSC.CMP
CCT8	<0.001	0.517	0.829	0.282	<0.001	13_HSC.CMP
GNA15	<0.001	0.512	0.558	0.078	<0.001	13_HSC.CMP
LDHA	<0.001	0.511	0.897	0.455	<0.001	13_HSC.CMP
TYMS	<0.001	0.505	0.449	0.101	<0.001	13_HSC.CMP
ADA	<0.001	0.502	0.494	0.087	<0.001	13_HSC.CMP
GZMH	<0.001	1.718	0.862	0.126	<0.001	14_CD8.T_{eff}2
GNLY	<0.001	1.678	0.997	0.175	<0.001	14_CD8.T_{eff}2
CCL5	<0.001	1.517	0.988	0.250	<0.001	14_CD8.T_{eff}2
NKG7	<0.001	1.329	0.984	0.294	<0.001	14_CD8.T_{eff}2
FGFBP2	<0.001	1.238	0.725	0.119	<0.001	14_CD8.T_{eff}2
IL32	<0.001	1.185	0.910	0.371	<0.001	14_CD8.T_{eff}2
CD3D	<0.001	1.069	0.846	0.324	<0.001	14_CD8.T_{eff}2
GZMA	<0.001	1.027	0.770	0.186	<0.001	14_CD8.T_{eff}2
LYAR	<0.001	1.009	0.608	0.220	<0.001	14_CD8.T_{eff}2
GZMB	<0.001	0.974	0.717	0.137	<0.001	14_CD8.T_{eff}2
CST7	<0.001	0.973	0.832	0.231	<0.001	14_CD8.T_{eff}2
TRAC	<0.001	0.954	0.757	0.303	<0.001	14_CD8.T_{eff}2
TRBC1	<0.001	0.953	0.626	0.239	<0.001	14_CD8.T_{eff}2
LINC01871	<0.001	0.943	0.426	0.082	<0.001	14_CD8.T_{eff}2
TRGC2	<0.001	0.913	0.337	0.066	<0.001	14_CD8.T_{eff}2
CD52	<0.001	0.889	0.970	0.695	<0.001	14_CD8.T_{eff}2
HOPX	<0.001	0.860	0.573	0.155	<0.001	14_CD8.T_{eff}2
C12orf75	<0.001	0.853	0.602	0.207	<0.001	14_CD8.T_{eff}2
CD3G	<0.001	0.843	0.556	0.197	<0.001	14_CD8.T_{eff}2
CD3E	<0.001	0.838	0.756	0.313	<0.001	14_CD8.T_{eff}2
CD8A	<0.001	0.822	0.379	0.107	<0.001	14_CD8.T_{eff}2
KLRG1	<0.001	0.820	0.362	0.074	<0.001	14_CD8.T_{eff}2
ITGB1	<0.001	0.819	0.531	0.263	<0.001	14_CD8.T_{eff}2
CD2	<0.001	0.815	0.547	0.210	<0.001	14_CD8.T_{eff}2
CTSW	<0.001	0.796	0.690	0.273	<0.001	14_CD8.T_{eff}2
HLA-C	<0.001	0.794	0.995	0.892	<0.001	14_CD8.T_{eff}2
KLRD1	<0.001	0.788	0.490	0.132	<0.001	14_CD8.T_{eff}2
CD99	<0.001	0.759	0.775	0.470	<0.001	14_CD8.T_{eff}2
PPP2R5C	<0.001	0.711	0.630	0.365	<0.001	14_CD8.T_{eff}2
GZMM	<0.001	0.707	0.584	0.215	<0.001	14_CD8.T_{eff}2

CD8B	<0.001	0.707	0.330	0.106	<0.001	14_CD8.T_{eff}2
B2M	<0.001	0.698	1.000	0.993	<0.001	14_CD8.T_{eff}2
PRF1	<0.001	0.698	0.524	0.132	<0.001	14_CD8.T_{eff}2
PATL2	<0.001	0.684	0.252	0.051	<0.001	14_CD8.T_{eff}2
HCST	<0.001	0.662	0.878	0.581	<0.001	14_CD8.T_{eff}2
TRBC2	<0.001	0.634	0.573	0.298	<0.001	14_CD8.T_{eff}2
HLA-A	<0.001	0.617	0.996	0.910	<0.001	14_CD8.T_{eff}2
SYNE2	<0.001	0.614	0.348	0.123	<0.001	14_CD8.T_{eff}2
RORA	<0.001	0.612	0.412	0.166	<0.001	14_CD8.T_{eff}2
HLA-B	<0.001	0.602	0.999	0.936	<0.001	14_CD8.T_{eff}2
MYO1F	<0.001	0.601	0.527	0.249	<0.001	14_CD8.T_{eff}2
RARRES3	<0.001	0.577	0.563	0.320	<0.001	14_CD8.T_{eff}2
DSTN	<0.001	0.564	0.486	0.306	<0.001	14_CD8.T_{eff}2
CALM1	<0.001	0.543	0.834	0.654	<0.001	14_CD8.T_{eff}2
LITAF	<0.001	0.536	0.605	0.365	<0.001	14_CD8.T_{eff}2
DUSP2	<0.001	0.529	0.492	0.219	<0.001	14_CD8.T_{eff}2
LCK	<0.001	0.525	0.464	0.224	<0.001	14_CD8.T_{eff}2
SAMD3	<0.001	0.513	0.258	0.073	<0.001	14_CD8.T_{eff}2
SH3BGRL3	<0.001	0.501	0.947	0.798	<0.001	14_CD8.T_{eff}2
APOBEC3G	<0.001	0.511	0.284	0.129	<0.001	14_CD8.T_{eff}2
YWHAQ	<0.001	0.508	0.530	0.363	<0.001	14_CD8.T_{eff}2
KLRB1	<0.001	2.291	0.979	0.153	<0.001	15_CD8.T_{EM}
GZMK	<0.001	1.488	0.607	0.064	<0.001	15_CD8.T_{EM}
CMC1	<0.001	1.393	0.542	0.196	<0.001	15_CD8.T_{EM}
DUSP2	<0.001	1.173	0.666	0.216	<0.001	15_CD8.T_{EM}
CCL5	<0.001	1.089	0.899	0.254	<0.001	15_CD8.T_{EM}
RGS1	<0.001	0.970	0.333	0.117	<0.001	15_CD8.T_{EM}
CD160	<0.001	0.949	0.254	0.043	<0.001	15_CD8.T_{EM}
CD7	<0.001	0.935	0.628	0.284	<0.001	15_CD8.T_{EM}
GZMA	<0.001	0.930	0.702	0.189	<0.001	15_CD8.T_{EM}
CD69	<0.001	0.883	0.623	0.284	<0.001	15_CD8.T_{EM}
PIK3R1	<0.001	0.871	0.520	0.244	<0.001	15_CD8.T_{EM}
IL32	<0.001	0.864	0.777	0.375	<0.001	15_CD8.T_{EM}
LINC01871	<0.001	0.846	0.386	0.084	<0.001	15_CD8.T_{EM}
CCL4	<0.001	0.842	0.366	0.136	<0.001	15_CD8.T_{EM}
RORA	<0.001	0.832	0.487	0.166	<0.001	15_CD8.T_{EM}

JUN	<0.001	0.816	0.810	0.611	<0.001	15_CD8.T_{EM}
ID2	<0.001	0.807	0.672	0.363	<0.001	15_CD8.T_{EM}
TRGC2	<0.001	0.795	0.303	0.068	<0.001	15_CD8.T_{EM}
IL7R	<0.001	0.786	0.404	0.202	<0.001	15_CD8.T_{EM}
GZMM	<0.001	0.774	0.591	0.216	<0.001	15_CD8.T_{EM}
CST7	<0.001	0.753	0.741	0.235	<0.001	15_CD8.T_{EM}
CTSW	<0.001	0.740	0.669	0.274	<0.001	15_CD8.T_{EM}
HCST	<0.001	0.680	0.856	0.582	<0.001	15_CD8.T_{EM}
STK17A	<0.001	0.678	0.437	0.228	<0.001	15_CD8.T_{EM}
KLRG1	<0.001	0.677	0.307	0.076	<0.001	15_CD8.T_{EM}
FKBP11	<0.001	0.674	0.414	0.171	<0.001	15_CD8.T_{EM}
LYAR	<0.001	0.669	0.471	0.224	<0.001	15_CD8.T_{EM}
BTG1	<0.001	0.668	0.960	0.813	<0.001	15_CD8.T_{EM}
CXCR4	<0.001	0.648	0.810	0.589	<0.001	15_CD8.T_{EM}
NCR3	<0.001	0.647	0.268	0.061	<0.001	15_CD8.T_{EM}
SPOCK2	<0.001	0.634	0.371	0.142	<0.001	15_CD8.T_{EM}
CD3E	<0.001	0.632	0.650	0.317	<0.001	15_CD8.T_{EM}
KLRD1	<0.001	0.625	0.371	0.136	<0.001	15_CD8.T_{EM}
SRSF7	<0.001	0.622	0.656	0.471	<0.001	15_CD8.T_{EM}
FYN	<0.001	0.618	0.404	0.168	<0.001	15_CD8.T_{EM}
CD8A	<0.001	0.604	0.326	0.109	<0.001	15_CD8.T_{EM}
ZFP36L2	<0.001	0.603	0.781	0.610	<0.001	15_CD8.T_{EM}
CD3D	<0.001	0.581	0.642	0.331	<0.001	15_CD8.T_{EM}
SH2D1A	<0.001	0.575	0.255	0.065	<0.001	15_CD8.T_{EM}
CD96	<0.001	0.553	0.287	0.100	<0.001	15_CD8.T_{EM}
MATK	<0.001	0.552	0.315	0.117	<0.001	15_CD8.T_{EM}
STAT4	<0.001	0.539	0.290	0.101	<0.001	15_CD8.T_{EM}
SYTL3	<0.001	0.535	0.270	0.103	<0.001	15_CD8.T_{EM}
TRAC	<0.001	0.532	0.568	0.309	<0.001	15_CD8.T_{EM}
HLA-A	<0.001	0.519	0.985	0.911	<0.001	15_CD8.T_{EM}
PDCD4	<0.001	0.626	0.467	0.285	<0.001	15_CD8.T_{EM}
TNFAIP3	<0.001	0.589	0.396	0.207	<0.001	15_CD8.T_{EM}
TRBC1	<0.001	0.560	0.455	0.244	<0.001	15_CD8.T_{EM}
EML4	<0.001	0.530	0.363	0.189	<0.001	15_CD8.T_{EM}
TSPYL2	<0.001	0.552	0.263	0.115	<0.001	15_CD8.T_{EM}
IER2	<0.001	0.510	0.685	0.544	<0.001	15_CD8.T_{EM}

ZFP36	<0.001	0.512	0.635	0.470	<0.001	15_CD8.T_{EM}
NR4A2	<0.001	0.534	0.304	0.176	<0.001	15_CD8.T_{EM}
PRTN3	<0.001	3.679	0.674	0.013	<0.001	16_GMP.Neut
MPO	<0.001	3.660	0.896	0.032	<0.001	16_GMP.Neut
ELANE	<0.001	3.583	0.750	0.019	<0.001	16_GMP.Neut
AZU1	<0.001	3.215	0.846	0.031	<0.001	16_GMP.Neut
CTSG	<0.001	2.677	0.659	0.023	<0.001	16_GMP.Neut
AC020656.1	<0.001	1.941	0.473	0.139	<0.001	16_GMP.Neut
RNASE2	<0.001	1.647	0.779	0.078	<0.001	16_GMP.Neut
PRSS57	<0.001	1.640	0.514	0.054	<0.001	16_GMP.Neut
CLEC11A	<0.001	1.621	0.562	0.078	<0.001	16_GMP.Neut
LYZ	<0.001	1.527	0.951	0.329	<0.001	16_GMP.Neut
SRGN	<0.001	1.379	0.990	0.718	<0.001	16_GMP.Neut
MS4A3	<0.001	1.294	0.513	0.010	<0.001	16_GMP.Neut
LGALS1	<0.001	1.175	0.830	0.441	<0.001	16_GMP.Neut
H2AFZ	<0.001	1.154	0.842	0.433	<0.001	16_GMP.Neut
FABP5	<0.001	1.126	0.629	0.143	<0.001	16_GMP.Neut
MGST1	<0.001	1.083	0.632	0.130	<0.001	16_GMP.Neut
CFD	<0.001	1.068	0.737	0.192	<0.001	16_GMP.Neut
HSP90B1	<0.001	1.041	0.796	0.395	<0.001	16_GMP.Neut
RETN	<0.001	0.973	0.477	0.103	<0.001	16_GMP.Neut
NUCB2	<0.001	0.973	0.604	0.247	<0.001	16_GMP.Neut
PLAC8	<0.001	0.970	0.793	0.398	<0.001	16_GMP.Neut
STMN1	<0.001	0.961	0.740	0.219	<0.001	16_GMP.Neut
VAMP8	<0.001	0.942	0.813	0.467	<0.001	16_GMP.Neut
RAB32	<0.001	0.941	0.524	0.085	<0.001	16_GMP.Neut
ENO1	<0.001	0.927	0.829	0.466	<0.001	16_GMP.Neut
AREG	<0.001	0.915	0.381	0.108	<0.001	16_GMP.Neut
GSTP1	<0.001	0.908	0.883	0.534	<0.001	16_GMP.Neut
HMGN2	<0.001	0.873	0.912	0.649	<0.001	16_GMP.Neut
SERPINB1	<0.001	0.868	0.670	0.324	<0.001	16_GMP.Neut
RNASE3	<0.001	0.843	0.329	0.008	<0.001	16_GMP.Neut
NAA38	<0.001	0.834	0.720	0.331	<0.001	16_GMP.Neut
AC084033.3	<0.001	0.826	0.504	0.129	<0.001	16_GMP.Neut
CALR	<0.001	0.820	0.643	0.421	<0.001	16_GMP.Neut
CSTA	<0.001	0.804	0.802	0.225	<0.001	16_GMP.Neut
PCLAF	<0.001	0.804	0.537	0.125	<0.001	16_GMP.Neut
HSPB1	<0.001	0.772	0.595	0.259	<0.001	16_GMP.Neut
TXN	<0.001	0.764	0.749	0.384	<0.001	16_GMP.Neut
SNHG25	<0.001	0.764	0.595	0.290	<0.001	16_GMP.Neut
DUT	<0.001	0.753	0.654	0.318	<0.001	16_GMP.Neut
ANKRD28	<0.001	0.742	0.501	0.142	<0.001	16_GMP.Neut

ATP5ME	<0.001	0.738	0.882	0.609	<0.001	16_GMP.Neut
GAPDH	<0.001	0.729	0.970	0.824	<0.001	16_GMP.Neut
ATP5MPL	<0.001	0.724	0.933	0.716	<0.001	16_GMP.Neut
H1FX	<0.001	0.718	0.639	0.350	<0.001	16_GMP.Neut
MIF	<0.001	0.701	0.674	0.388	<0.001	16_GMP.Neut
SEC61G	<0.001	0.688	0.828	0.566	<0.001	16_GMP.Neut
BEX3	<0.001	0.662	0.392	0.109	<0.001	16_GMP.Neut
SERPINB10	<0.001	0.657	0.286	0.014	<0.001	16_GMP.Neut
LSM5	<0.001	0.653	0.663	0.350	<0.001	16_GMP.Neut
C4orf48	<0.001	0.643	0.597	0.252	<0.001	16_GMP.Neut
UQCRQ	<0.001	0.636	0.789	0.490	<0.001	16_GMP.Neut
C20orf27	<0.001	0.636	0.493	0.194	<0.001	16_GMP.Neut
IRF2BP2	<0.001	0.628	0.581	0.284	<0.001	16_GMP.Neut
PHPT1	<0.001	0.625	0.564	0.256	<0.001	16_GMP.Neut
RANBP1	<0.001	0.621	0.632	0.325	<0.001	16_GMP.Neut
HMGB2	<0.001	0.620	0.837	0.590	<0.001	16_GMP.Neut
AP2S1	<0.001	0.620	0.717	0.386	<0.001	16_GMP.Neut
HSPA5	<0.001	0.618	0.650	0.377	<0.001	16_GMP.Neut
PCNA	<0.001	0.618	0.455	0.153	<0.001	16_GMP.Neut
JUND	<0.001	0.614	0.781	0.479	<0.001	16_GMP.Neut
MNDA	<0.001	0.608	0.635	0.186	<0.001	16_GMP.Neut
SDF2L1	<0.001	0.605	0.470	0.205	<0.001	16_GMP.Neut
VIM	<0.001	0.604	0.908	0.647	<0.001	16_GMP.Neut
NUDT1	<0.001	0.599	0.470	0.184	<0.001	16_GMP.Neut
RNASEH2C	<0.001	0.592	0.526	0.248	<0.001	16_GMP.Neut
ATP5MC2	<0.001	0.591	0.912	0.766	<0.001	16_GMP.Neut
SNRPE	<0.001	0.590	0.678	0.388	<0.001	16_GMP.Neut
NDUFB11	<0.001	0.587	0.759	0.501	<0.001	16_GMP.Neut
TIMM13	<0.001	0.587	0.558	0.258	<0.001	16_GMP.Neut
SEM1	<0.001	0.581	0.600	0.322	<0.001	16_GMP.Neut
H2AFY	<0.001	0.575	0.697	0.371	<0.001	16_GMP.Neut
TMEM258	<0.001	0.574	0.738	0.505	<0.001	16_GMP.Neut
P4HB	<0.001	0.571	0.593	0.346	<0.001	16_GMP.Neut
TPI1	<0.001	0.570	0.741	0.470	<0.001	16_GMP.Neut
PPIA	<0.001	0.568	0.889	0.723	<0.001	16_GMP.Neut
CAT	<0.001	0.568	0.481	0.226	<0.001	16_GMP.Neut
EREG	<0.001	0.566	0.309	0.065	<0.001	16_GMP.Neut
UQCRH	<0.001	0.565	0.818	0.598	<0.001	16_GMP.Neut
PYCARD	<0.001	0.564	0.627	0.276	<0.001	16_GMP.Neut
EGR1	<0.001	0.564	0.253	0.061	<0.001	16_GMP.Neut
HMGN1	<0.001	0.563	0.798	0.568	<0.001	16_GMP.Neut
ATP5MD	<0.001	0.563	0.753	0.505	<0.001	16_GMP.Neut
ATOX1	<0.001	0.553	0.524	0.227	<0.001	16_GMP.Neut

NDUFS6	<0.001	0.551	0.624	0.346	<0.001	16_GMP.Neut
TNFSF13B	<0.001	0.551	0.499	0.153	<0.001	16_GMP.Neut
ROMO1	<0.001	0.545	0.590	0.314	<0.001	16_GMP.Neut
SERF2	<0.001	0.540	0.982	0.923	<0.001	16_GMP.Neut
NDUFB1	<0.001	0.539	0.735	0.468	<0.001	16_GMP.Neut
PDIA6	<0.001	0.538	0.548	0.289	<0.001	16_GMP.Neut
ATP5MC1	<0.001	0.529	0.562	0.294	<0.001	16_GMP.Neut
YWHAE	<0.001	0.526	0.580	0.282	<0.001	16_GMP.Neut
RPA3	<0.001	0.526	0.468	0.196	<0.001	16_GMP.Neut
NUCKS1	<0.001	0.525	0.569	0.322	<0.001	16_GMP.Neut
NME1	<0.001	0.525	0.439	0.179	<0.001	16_GMP.Neut
MRPL23	<0.001	0.524	0.530	0.259	<0.001	16_GMP.Neut
CYBA	<0.001	0.520	0.963	0.790	<0.001	16_GMP.Neut
EIF4EBP1	<0.001	0.520	0.453	0.180	<0.001	16_GMP.Neut
TUBA1B	<0.001	0.519	0.751	0.411	<0.001	16_GMP.Neut
MRPL33	<0.001	0.515	0.570	0.325	<0.001	16_GMP.Neut
HNRNPD	<0.001	0.511	0.549	0.290	<0.001	16_GMP.Neut
SNHG19	<0.001	0.510	0.312	0.099	<0.001	16_GMP.Neut
MS4A6A	<0.001	0.509	0.375	0.151	<0.001	16_GMP.Neut
MINOS1	<0.001	0.506	0.622	0.366	<0.001	16_GMP.Neut
LSM7	<0.001	0.506	0.687	0.458	<0.001	16_GMP.Neut
CANX	<0.001	0.501	0.551	0.286	<0.001	16_GMP.Neut
RFLNB	<0.001	0.500	0.358	0.084	<0.001	16_GMP.Neut
HBB	<0.001	3.390	0.984	0.339	<0.001	17_Eryth.2
HBA2	<0.001	3.389	0.865	0.171	<0.001	17_Eryth.2
HBA1	<0.001	3.338	0.949	0.190	<0.001	17_Eryth.2
HBD	<0.001	2.845	0.806	0.074	<0.001	17_Eryth.2
AHSP	<0.001	2.703	0.945	0.072	<0.001	17_Eryth.2
CA1	<0.001	2.522	0.840	0.067	<0.001	17_Eryth.2
HBM	<0.001	2.364	0.494	0.039	<0.001	17_Eryth.2
PRDX2	<0.001	2.190	0.937	0.305	<0.001	17_Eryth.2
BLVRB	<0.001	2.044	0.918	0.216	<0.001	17_Eryth.2
ALAS2	<0.001	1.787	0.521	0.043	<0.001	17_Eryth.2
GYPA	<0.001	1.552	0.563	0.043	<0.001	17_Eryth.2
FAM178B	<0.001	1.543	0.526	0.048	<0.001	17_Eryth.2
SLC25A37	<0.001	1.538	0.447	0.150	<0.001	17_Eryth.2
ATP5IF1	<0.001	1.517	0.801	0.448	<0.001	17_Eryth.2
CA2	<0.001	1.485	0.611	0.066	<0.001	17_Eryth.2
TUBB	<0.001	1.462	0.761	0.311	<0.001	17_Eryth.2
HMBS	<0.001	1.447	0.599	0.083	<0.001	17_Eryth.2
TUBA1B	<0.001	1.346	0.815	0.410	<0.001	17_Eryth.2
PCLAF	<0.001	1.338	0.603	0.124	<0.001	17_Eryth.2
GYPB	<0.001	1.328	0.409	0.036	<0.001	17_Eryth.2

UROD	<0.001	1.316	0.654	0.139	<0.001	17_Eryth.2
SNCA	<0.001	1.315	0.492	0.087	<0.001	17_Eryth.2
HEMGN	<0.001	1.253	0.446	0.051	<0.001	17_Eryth.2
REXO2	<0.001	1.231	0.601	0.155	<0.001	17_Eryth.2
SYNGR1	<0.001	1.230	0.529	0.136	<0.001	17_Eryth.2
TMEM14C	<0.001	1.226	0.620	0.206	<0.001	17_Eryth.2
NME4	<0.001	1.201	0.580	0.163	<0.001	17_Eryth.2
GYPC	<0.001	1.190	0.818	0.417	<0.001	17_Eryth.2
KLF1	<0.001	1.157	0.503	0.052	<0.001	17_Eryth.2
MYL4	<0.001	1.153	0.486	0.053	<0.001	17_Eryth.2
CKS2	<0.001	1.127	0.465	0.120	<0.001	17_Eryth.2
HSPD1	<0.001	1.123	0.570	0.232	<0.001	17_Eryth.2
APOC1	<0.001	1.118	0.408	0.054	<0.001	17_Eryth.2
AKR1C3	<0.001	1.112	0.413	0.083	<0.001	17_Eryth.2
SLC25A39	<0.001	1.104	0.582	0.188	<0.001	17_Eryth.2
SLC4A1	<0.001	1.095	0.276	0.031	<0.001	17_Eryth.2
SMIM1	<0.001	1.092	0.475	0.061	<0.001	17_Eryth.2
HMGA1	<0.001	1.077	0.574	0.240	<0.001	17_Eryth.2
MPC2	<0.001	1.070	0.599	0.230	<0.001	17_Eryth.2
METAP2	<0.001	1.040	0.565	0.251	<0.001	17_Eryth.2
HMGB1	<0.001	1.036	0.868	0.770	<0.001	17_Eryth.2
PCNA	<0.001	1.024	0.511	0.152	<0.001	17_Eryth.2
RAN	<0.001	1.019	0.691	0.416	<0.001	17_Eryth.2
FECH	<0.001	1.016	0.481	0.072	<0.001	17_Eryth.2
PA2G4	<0.001	1.011	0.676	0.335	<0.001	17_Eryth.2
TUBB4B	<0.001	1.000	0.520	0.200	<0.001	17_Eryth.2
GLRX5	<0.001	0.984	0.496	0.151	<0.001	17_Eryth.2
HBQ1	<0.001	0.982	0.419	0.048	<0.001	17_Eryth.2
HMGN5	<0.001	0.982	0.361	0.080	<0.001	17_Eryth.2
UBAC1	<0.001	0.979	0.460	0.102	<0.001	17_Eryth.2
SLIRP	<0.001	0.953	0.550	0.269	<0.001	17_Eryth.2
HSP90AA1	<0.001	0.944	0.799	0.633	<0.001	17_Eryth.2
TMEM14B	<0.001	0.925	0.614	0.301	<0.001	17_Eryth.2
RANBP1	<0.001	0.923	0.596	0.326	<0.001	17_Eryth.2
DUT	<0.001	0.919	0.603	0.319	<0.001	17_Eryth.2
KCNH2	<0.001	0.919	0.357	0.048	<0.001	17_Eryth.2
SELENBP1	<0.001	0.919	0.332	0.039	<0.001	17_Eryth.2
PTTG1	<0.001	0.902	0.392	0.117	<0.001	17_Eryth.2
HSP90AB1	<0.001	0.902	0.735	0.532	<0.001	17_Eryth.2
HSPE1	<0.001	0.892	0.573	0.345	<0.001	17_Eryth.2
TYMS	<0.001	0.876	0.424	0.103	<0.001	17_Eryth.2
OAT	<0.001	0.872	0.458	0.137	<0.001	17_Eryth.2
EIF1AY	<0.001	0.865	0.366	0.139	<0.001	17_Eryth.2

HEBP1	<0.001	0.863	0.414	0.115	<0.001	17_Eryth.2
ATP5MC1	<0.001	0.857	0.526	0.295	<0.001	17_Eryth.2
CAT	<0.001	0.856	0.569	0.224	<0.001	17_Eryth.2
YBX1	<0.001	0.855	0.923	0.783	<0.001	17_Eryth.2
GATA1	<0.001	0.848	0.382	0.053	<0.001	17_Eryth.2
BOLA3	<0.001	0.848	0.414	0.140	<0.001	17_Eryth.2
BSG	<0.001	0.846	0.610	0.332	<0.001	17_Eryth.2
BIRC5	<0.001	0.840	0.345	0.078	<0.001	17_Eryth.2
ALDH1A1	<0.001	0.836	0.350	0.079	<0.001	17_Eryth.2
CCT6A	<0.001	0.833	0.470	0.222	<0.001	17_Eryth.2
SNRPG	<0.001	0.831	0.615	0.393	<0.001	17_Eryth.2
SNRPD1	<0.001	0.822	0.569	0.360	<0.001	17_Eryth.2
NME1	<0.001	0.814	0.417	0.180	<0.001	17_Eryth.2
CDC20	<0.001	0.801	0.269	0.052	<0.001	17_Eryth.2
RPA3	<0.001	0.800	0.451	0.197	<0.001	17_Eryth.2
FKBP4	<0.001	0.798	0.340	0.101	<0.001	17_Eryth.2
STRADB	<0.001	0.793	0.405	0.086	<0.001	17_Eryth.2
EPB42	<0.001	0.787	0.317	0.037	<0.001	17_Eryth.2
EIF5A	<0.001	0.786	0.670	0.473	<0.001	17_Eryth.2
MCM7	<0.001	0.785	0.391	0.127	<0.001	17_Eryth.2
RFESD	<0.001	0.780	0.348	0.049	<0.001	17_Eryth.2
NCL	<0.001	0.777	0.624	0.459	<0.001	17_Eryth.2
SNRPE	<0.001	0.774	0.582	0.391	<0.001	17_Eryth.2
FBXO7	<0.001	0.773	0.542	0.218	<0.001	17_Eryth.2
TFDP1	<0.001	0.771	0.492	0.177	<0.001	17_Eryth.2
NOP10	<0.001	0.770	0.589	0.370	<0.001	17_Eryth.2
SERBP1	<0.001	0.769	0.623	0.402	<0.001	17_Eryth.2
CCT2	<0.001	0.768	0.455	0.210	<0.001	17_Eryth.2
SOD1	<0.001	0.761	0.731	0.483	<0.001	17_Eryth.2
NASP	<0.001	0.760	0.445	0.205	<0.001	17_Eryth.2
TIMM13	<0.001	0.752	0.480	0.260	<0.001	17_Eryth.2
LMNA	<0.001	0.749	0.402	0.127	<0.001	17_Eryth.2
RHAG	<0.001	0.747	0.297	0.046	<0.001	17_Eryth.2
H2AFZ	<0.001	0.747	0.688	0.437	<0.001	17_Eryth.2
TUBA1C	<0.001	0.743	0.344	0.135	<0.001	17_Eryth.2
HMGB2	<0.001	0.742	0.771	0.591	<0.001	17_Eryth.2
CCNB2	<0.001	0.741	0.292	0.065	<0.001	17_Eryth.2
PAICS	<0.001	0.737	0.341	0.110	<0.001	17_Eryth.2
TPGS2	<0.001	0.732	0.393	0.139	<0.001	17_Eryth.2
DNAJC9	<0.001	0.732	0.388	0.139	<0.001	17_Eryth.2
CENPU	<0.001	0.729	0.311	0.087	<0.001	17_Eryth.2
CENPW	<0.001	0.728	0.311	0.098	<0.001	17_Eryth.2
MPP1	<0.001	0.728	0.425	0.121	<0.001	17_Eryth.2

CDK4	<0.001	0.720	0.355	0.127	<0.001	17_Eryth.2
IDH2	<0.001	0.715	0.472	0.226	<0.001	17_Eryth.2
PTGES3	<0.001	0.709	0.680	0.468	<0.001	17_Eryth.2
STMN1	<0.001	0.707	0.566	0.223	<0.001	17_Eryth.2
YWHAE	<0.001	0.707	0.530	0.284	<0.001	17_Eryth.2
UROS	<0.001	0.706	0.415	0.160	<0.001	17_Eryth.2
EPCAM	<0.001	0.701	0.266	0.044	<0.001	17_Eryth.2
ATP5MC3	<0.001	0.695	0.615	0.443	<0.001	17_Eryth.2
ATP5MF	<0.001	0.694	0.693	0.484	<0.001	17_Eryth.2
FAM210B	<0.001	0.694	0.366	0.086	<0.001	17_Eryth.2
ANP32B	<0.001	0.690	0.725	0.476	<0.001	17_Eryth.2
ISOC2	<0.001	0.687	0.312	0.109	<0.001	17_Eryth.2
MRPL51	<0.001	0.683	0.439	0.234	<0.001	17_Eryth.2
UBB	<0.001	0.682	0.887	0.761	<0.001	17_Eryth.2
VDAC3	<0.001	0.679	0.436	0.209	<0.001	17_Eryth.2
CKS1B	<0.001	0.675	0.339	0.129	<0.001	17_Eryth.2
PRDX3	<0.001	0.673	0.409	0.185	<0.001	17_Eryth.2
IMPDH2	<0.001	0.672	0.389	0.188	<0.001	17_Eryth.2
GAR1	<0.001	0.670	0.326	0.123	<0.001	17_Eryth.2
MINPP1	<0.001	0.669	0.310	0.062	<0.001	17_Eryth.2
RBX1	<0.001	0.656	0.648	0.386	<0.001	17_Eryth.2
CD36	<0.001	0.654	0.471	0.168	<0.001	17_Eryth.2
PSMB5	<0.001	0.652	0.335	0.124	<0.001	17_Eryth.2
TIMM8B	<0.001	0.649	0.433	0.229	<0.001	17_Eryth.2
RAD23A	<0.001	0.649	0.512	0.264	<0.001	17_Eryth.2
NARF	<0.001	0.647	0.423	0.156	<0.001	17_Eryth.2
MPST	<0.001	0.646	0.364	0.148	<0.001	17_Eryth.2
MRPL12	<0.001	0.645	0.349	0.151	<0.001	17_Eryth.2
HMGB3	<0.001	0.645	0.307	0.111	<0.001	17_Eryth.2
TXN	<0.001	0.644	0.628	0.387	<0.001	17_Eryth.2
HNRNPAB	<0.001	0.644	0.381	0.174	<0.001	17_Eryth.2
UQCC2	<0.001	0.638	0.345	0.157	<0.001	17_Eryth.2
TSPAN17	<0.001	0.637	0.295	0.076	<0.001	17_Eryth.2
HPRT1	<0.001	0.633	0.374	0.181	<0.001	17_Eryth.2
PPA2	<0.001	0.631	0.349	0.160	<0.001	17_Eryth.2
TUBB2A	<0.001	0.629	0.284	0.062	<0.001	17_Eryth.2
CENPH	<0.001	0.624	0.292	0.102	<0.001	17_Eryth.2
NPM1	<0.001	0.623	0.775	0.772	<0.001	17_Eryth.2
HAGH	<0.001	0.622	0.391	0.141	<0.001	17_Eryth.2
GMNN	<0.001	0.621	0.268	0.083	<0.001	17_Eryth.2
GFI1B	<0.001	0.612	0.255	0.047	<0.001	17_Eryth.2
VBP1	<0.001	0.610	0.383	0.182	<0.001	17_Eryth.2
DYNLL1	<0.001	0.609	0.540	0.308	<0.001	17_Eryth.2

PARVB	<0.001	0.608	0.312	0.108	<0.001	17_Eryth.2
TESC	<0.001	0.607	0.400	0.133	<0.001	17_Eryth.2
DDX1	<0.001	0.607	0.309	0.133	<0.001	17_Eryth.2
TUBG1	<0.001	0.603	0.260	0.064	<0.001	17_Eryth.2
MCM5	<0.001	0.601	0.283	0.115	<0.001	17_Eryth.2
TK1	<0.001	0.597	0.260	0.075	<0.001	17_Eryth.2
NUSAP1	<0.001	0.596	0.254	0.078	<0.001	17_Eryth.2
BLVRA	<0.001	0.590	0.332	0.142	<0.001	17_Eryth.2
STOML2	<0.001	0.587	0.394	0.195	<0.001	17_Eryth.2
UBE2T	<0.001	0.587	0.254	0.068	<0.001	17_Eryth.2
TPM1	<0.001	0.580	0.295	0.086	<0.001	17_Eryth.2
PSMG1	<0.001	0.576	0.285	0.108	<0.001	17_Eryth.2
AC084033.3	<0.001	0.575	0.328	0.133	<0.001	17_Eryth.2
DTYMK	<0.001	0.566	0.279	0.108	<0.001	17_Eryth.2
MAD2L1	<0.001	0.561	0.274	0.102	<0.001	17_Eryth.2
TALDO1	<0.001	0.561	0.621	0.342	<0.001	17_Eryth.2
MBOAT2	<0.001	0.547	0.259	0.061	<0.001	17_Eryth.2
CISD2	<0.001	0.540	0.381	0.156	<0.001	17_Eryth.2
TOP1	<0.001	0.526	0.383	0.184	<0.001	17_Eryth.2
FXN	<0.001	0.526	0.265	0.103	<0.001	17_Eryth.2
GMPR	<0.001	0.525	0.264	0.048	<0.001	17_Eryth.2
ECI2	<0.001	0.524	0.252	0.096	<0.001	17_Eryth.2
H1F0	<0.001	0.520	0.265	0.093	<0.001	17_Eryth.2
GCLM	<0.001	0.515	0.271	0.078	<0.001	17_Eryth.2
RUVBL2	<0.001	0.557	0.281	0.116	<0.001	17_Eryth.2
GADD45GIP1	<0.001	0.691	0.508	0.314	<0.001	17_Eryth.2
HSPB1	<0.001	0.571	0.478	0.262	<0.001	17_Eryth.2
SSB	<0.001	0.670	0.494	0.292	<0.001	17_Eryth.2
VRK1	<0.001	0.507	0.287	0.123	<0.001	17_Eryth.2
TXNL1	<0.001	0.528	0.428	0.223	<0.001	17_Eryth.2
ECH1	<0.001	0.643	0.455	0.259	<0.001	17_Eryth.2
AK6	<0.001	0.513	0.265	0.110	<0.001	17_Eryth.2
ATP5F1B	<0.001	0.617	0.603	0.391	<0.001	17_Eryth.2
TFRC	<0.001	0.512	0.288	0.122	<0.001	17_Eryth.2
ILF2	<0.001	0.632	0.421	0.233	<0.001	17_Eryth.2
TCP1	<0.001	0.582	0.394	0.206	<0.001	17_Eryth.2
TAF9	<0.001	0.578	0.391	0.205	<0.001	17_Eryth.2
ATG3	<0.001	0.517	0.400	0.207	<0.001	17_Eryth.2
YWHAH	<0.001	0.547	0.405	0.215	<0.001	17_Eryth.2
SRI	<0.001	0.599	0.471	0.277	<0.001	17_Eryth.2
DNPH1	<0.001	0.571	0.315	0.150	<0.001	17_Eryth.2
MCM3	<0.001	0.505	0.254	0.106	<0.001	17_Eryth.2
MRPL27	<0.001	0.511	0.296	0.135	<0.001	17_Eryth.2

MGST3	<0.001	0.614	0.455	0.261	<0.001	17_Eryth.2
CCT5	<0.001	0.577	0.366	0.189	<0.001	17_Eryth.2
DKC1	<0.001	0.521	0.300	0.139	<0.001	17_Eryth.2
LAGE3	<0.001	0.560	0.331	0.164	<0.001	17_Eryth.2
NDUFB6	<0.001	0.606	0.381	0.204	<0.001	17_Eryth.2
FIS1	<0.001	0.504	0.563	0.357	<0.001	17_Eryth.2
AP2M1	<0.001	0.518	0.516	0.313	<0.001	17_Eryth.2
TCEA1	<0.001	0.566	0.530	0.335	<0.001	17_Eryth.2
C20orf27	<0.001	0.524	0.374	0.197	<0.001	17_Eryth.2
NDUFC1	<0.001	0.558	0.428	0.245	<0.001	17_Eryth.2
PSMA4	<0.001	0.620	0.559	0.394	<0.001	17_Eryth.2
CACYBP	<0.001	0.573	0.419	0.243	<0.001	17_Eryth.2
C1QBP	<0.001	0.613	0.480	0.311	<0.001	17_Eryth.2
GLRX	<0.001	0.563	0.437	0.259	<0.001	17_Eryth.2
NUDC	<0.001	0.599	0.408	0.239	<0.001	17_Eryth.2
CCT8	<0.001	0.591	0.465	0.292	<0.001	17_Eryth.2
PHB	<0.001	0.570	0.377	0.214	<0.001	17_Eryth.2
PAFAH1B3	<0.001	0.513	0.271	0.129	<0.001	17_Eryth.2
PSMC3	<0.001	0.546	0.373	0.208	<0.001	17_Eryth.2
HSPA8	<0.001	0.677	0.609	0.487	<0.001	17_Eryth.2
CCT3	<0.001	0.581	0.413	0.249	<0.001	17_Eryth.2
EIF3J	<0.001	0.539	0.382	0.214	<0.001	17_Eryth.2
ERH	<0.001	0.574	0.581	0.450	<0.001	17_Eryth.2
ATP5F1A	<0.001	0.566	0.530	0.372	<0.001	17_Eryth.2
YBX3	<0.001	0.520	0.392	0.223	<0.001	17_Eryth.2
SNRPF	<0.001	0.603	0.539	0.398	<0.001	17_Eryth.2
NDUFS5	<0.001	0.562	0.620	0.517	<0.001	17_Eryth.2
ESD	<0.001	0.576	0.445	0.286	<0.001	17_Eryth.2
SNRPC	<0.001	0.578	0.443	0.286	<0.001	17_Eryth.2
UQCRQ	<0.001	0.538	0.607	0.494	<0.001	17_Eryth.2
MRPS34	<0.001	0.525	0.373	0.227	<0.001	17_Eryth.2
LSM5	<0.001	0.544	0.492	0.354	<0.001	17_Eryth.2
COX5A	<0.001	0.511	0.508	0.378	<0.001	17_Eryth.2
EIF5B	<0.001	0.500	0.381	0.245	<0.001	17_Eryth.2
BNIP3L	<0.001	0.529	0.338	0.213	<0.001	17_Eryth.2
FCER1A	<0.001	2.186	0.833	0.023	<0.001	18_cDC
HLA-DPA1	<0.001	2.008	0.995	0.375	<0.001	18_cDC
HLA-DRB1	<0.001	1.979	0.998	0.411	<0.001	18_cDC
CST3	<0.001	1.967	0.999	0.345	<0.001	18_cDC
HLA-DPB1	<0.001	1.943	0.997	0.422	<0.001	18_cDC
HLA-DRA	<0.001	1.881	1.000	0.456	<0.001	18_cDC
HLA-DQA1	<0.001	1.874	0.897	0.148	<0.001	18_cDC
HLA-DQB1	<0.001	1.712	0.974	0.268	<0.001	18_cDC

CD74	<0.001	1.654	1.000	0.638	<0.001	18_cDC
HLA-DRB5	<0.001	1.540	0.672	0.153	<0.001	18_cDC
CLEC10A	<0.001	1.415	0.630	0.009	<0.001	18_cDC
ANXA2	<0.001	1.314	0.961	0.288	<0.001	18_cDC
HLA-DMA	<0.001	1.296	0.974	0.272	<0.001	18_cDC
AREG	<0.001	1.252	0.585	0.104	<0.001	18_cDC
VIM	<0.001	1.196	0.998	0.646	<0.001	18_cDC
S100A10	<0.001	1.152	0.991	0.521	<0.001	18_cDC
CPVL	<0.001	1.105	0.746	0.127	<0.001	18_cDC
GSTP1	<0.001	1.074	0.991	0.533	<0.001	18_cDC
COTL1	<0.001	1.067	0.993	0.443	<0.001	18_cDC
GPR183	<0.001	0.990	0.769	0.160	<0.001	18_cDC
TUBA1B	<0.001	0.981	0.938	0.407	<0.001	18_cDC
HLA-DMB	<0.001	0.948	0.860	0.159	<0.001	18_cDC
SAMHD1	<0.001	0.918	0.845	0.213	<0.001	18_cDC
LYZ	<0.001	0.892	0.999	0.329	<0.001	18_cDC
CAPG	<0.001	0.887	0.829	0.172	<0.001	18_cDC
CD1C	<0.001	0.885	0.424	0.011	<0.001	18_cDC
LGALS1	<0.001	0.876	0.994	0.438	<0.001	18_cDC
LGALS2	<0.001	0.842	0.611	0.095	<0.001	18_cDC
GRN	<0.001	0.831	0.917	0.224	<0.001	18_cDC
AP1S2	<0.001	0.829	0.917	0.298	<0.001	18_cDC
C1orf162	<0.001	0.826	0.886	0.265	<0.001	18_cDC
ACTB	<0.001	0.816	1.000	0.982	<0.001	18_cDC
SPI1	<0.001	0.813	0.907	0.199	<0.001	18_cDC
ANXA5	<0.001	0.802	0.868	0.223	<0.001	18_cDC
H2AFY	<0.001	0.798	0.944	0.366	<0.001	18_cDC
ALDH2	<0.001	0.789	0.686	0.076	<0.001	18_cDC
CTSH	<0.001	0.787	0.764	0.121	<0.001	18_cDC
CFP	<0.001	0.766	0.817	0.142	<0.001	18_cDC
GAPDH	<0.001	0.765	0.998	0.823	<0.001	18_cDC
JAML	<0.001	0.756	0.697	0.121	<0.001	18_cDC
ANXA1	<0.001	0.753	0.959	0.460	<0.001	18_cDC
LY86	<0.001	0.747	0.801	0.137	<0.001	18_cDC
RNASE2	<0.001	0.740	0.480	0.085	<0.001	18_cDC
LSP1	<0.001	0.739	0.964	0.464	<0.001	18_cDC
ENHO	<0.001	0.737	0.453	0.002	<0.001	18_cDC
RAC1	<0.001	0.715	0.960	0.443	<0.001	18_cDC
ARPC1B	<0.001	0.708	0.944	0.450	<0.001	18_cDC
BID	<0.001	0.708	0.750	0.180	<0.001	18_cDC
PHACTR1	<0.001	0.700	0.684	0.106	<0.001	18_cDC
FCGRT	<0.001	0.697	0.879	0.250	<0.001	18_cDC
ENO1	<0.001	0.694	0.930	0.464	<0.001	18_cDC

PPA1	<0.001	0.689	0.845	0.294	<0.001	18_cDC
H2AFZ	<0.001	0.686	0.819	0.434	<0.001	18_cDC
IFI30	<0.001	0.686	0.579	0.081	<0.001	18_cDC
PLAUR	<0.001	0.682	0.698	0.131	<0.001	18_cDC
CEBPD	<0.001	0.681	0.738	0.143	<0.001	18_cDC
TPI1	<0.001	0.677	0.950	0.466	<0.001	18_cDC
SLC25A5	<0.001	0.667	0.924	0.432	<0.001	18_cDC
GDI2	<0.001	0.653	0.892	0.383	<0.001	18_cDC
RNH1	<0.001	0.646	0.822	0.274	<0.001	18_cDC
TMSB10	<0.001	0.645	1.000	0.973	<0.001	18_cDC
PLD4	<0.001	0.639	0.584	0.058	<0.001	18_cDC
AP2S1	<0.001	0.637	0.930	0.382	<0.001	18_cDC
CFL1	<0.001	0.637	0.997	0.834	<0.001	18_cDC
MAP3K8	<0.001	0.636	0.727	0.185	<0.001	18_cDC
IGSF6	<0.001	0.632	0.568	0.066	<0.001	18_cDC
PKM	<0.001	0.627	0.874	0.344	<0.001	18_cDC
CCDC88A	<0.001	0.626	0.674	0.134	<0.001	18_cDC
CSTB	<0.001	0.621	0.882	0.351	<0.001	18_cDC
PPT1	<0.001	0.619	0.771	0.220	<0.001	18_cDC
RNASE6	<0.001	0.616	0.706	0.129	<0.001	18_cDC
CSTA	<0.001	0.616	0.864	0.225	<0.001	18_cDC
FABP5	<0.001	0.612	0.632	0.144	<0.001	18_cDC
ACTG1	<0.001	0.602	0.991	0.743	<0.001	18_cDC
RNF130	<0.001	0.596	0.778	0.206	<0.001	18_cDC
TAGLN2	<0.001	0.595	0.932	0.481	<0.001	18_cDC
YBX1	<0.001	0.585	0.995	0.782	<0.001	18_cDC
AIF1	<0.001	0.585	0.981	0.343	<0.001	18_cDC
STMN1	<0.001	0.578	0.471	0.225	<0.001	18_cDC
KLF4	<0.001	0.577	0.684	0.123	<0.001	18_cDC
IRF8	<0.001	0.575	0.497	0.098	<0.001	18_cDC
FCER1G	<0.001	0.575	0.954	0.310	<0.001	18_cDC
ARPC3	<0.001	0.574	0.984	0.690	<0.001	18_cDC
SNX3	<0.001	0.569	0.940	0.486	<0.001	18_cDC
YWHAE	<0.001	0.564	0.818	0.278	<0.001	18_cDC
LMNA	<0.001	0.560	0.489	0.125	<0.001	18_cDC
HMGN1	<0.001	0.559	0.944	0.565	<0.001	18_cDC
LDHA	<0.001	0.556	0.890	0.457	<0.001	18_cDC
HMGN2	<0.001	0.555	0.941	0.649	<0.001	18_cDC
PYCARD	<0.001	0.551	0.842	0.272	<0.001	18_cDC
HEXB	<0.001	0.543	0.650	0.141	<0.001	18_cDC
IGFBP7	<0.001	0.541	0.577	0.099	<0.001	18_cDC
TIMP1	<0.001	0.539	0.881	0.284	<0.001	18_cDC
CD86	<0.001	0.537	0.580	0.069	<0.001	18_cDC

NDRG2	<0.001	0.536	0.419	0.013	<0.001	18_cDC
DBI	<0.001	0.534	0.903	0.419	<0.001	18_cDC
ARF6	<0.001	0.532	0.892	0.449	<0.001	18_cDC
GLIPR1	<0.001	0.530	0.770	0.203	<0.001	18_cDC
PAK1	<0.001	0.528	0.525	0.084	<0.001	18_cDC
GSN	<0.001	0.525	0.547	0.061	<0.001	18_cDC
MNDA	<0.001	0.520	0.776	0.183	<0.001	18_cDC
CTSZ	<0.001	0.516	0.606	0.136	<0.001	18_cDC
DDIT4	<0.001	0.515	0.604	0.199	<0.001	18_cDC
HLA-DQA2	<0.001	0.515	0.260	0.060	<0.001	18_cDC
VAMP8	<0.001	0.515	0.911	0.466	<0.001	18_cDC
FKBP1A	<0.001	0.512	0.948	0.461	<0.001	18_cDC
PPIA	<0.001	0.506	0.986	0.721	<0.001	18_cDC
C20orf27	<0.001	0.506	0.679	0.191	<0.001	18_cDC
ATP5F1B	<0.001	0.506	0.872	0.386	<0.001	18_cDC
COX5A	<0.001	0.506	0.881	0.371	<0.001	18_cDC
LGALS9	<0.001	0.502	0.703	0.188	<0.001	18_cDC
MALAT1	<0.001	1.190	1.000	0.983	<0.001	19_CD4.T_{EM}
GNLY	<0.001	0.842	0.403	0.191	<0.001	19_CD4.T_{EM}
RORA	<0.001	0.818	0.264	0.171	<0.001	19_CD4.T_{EM}
STK4	<0.001	0.748	0.417	0.410	<0.001	19_CD4.T_{EM}
N4BP2L2	<0.001	0.710	0.439	0.469	<0.001	19_CD4.T_{EM}
PPP2R5C	<0.001	0.675	0.374	0.372	<0.001	19_CD4.T_{EM}
AAK1	<0.001	0.675	0.279	0.244	<0.001	19_CD4.T_{EM}
FUS	<0.001	0.567	0.490	0.570	<0.001	19_CD4.T_{EM}
CLEC2D	<0.001	0.637	0.267	0.241	<0.001	19_CD4.T_{EM}
PNISR	<0.001	0.556	0.467	0.557	<0.001	19_CD4.T_{EM}
ATM	<0.001	0.687	0.267	0.250	<0.001	19_CD4.T_{EM}
PCSK7	<0.001	0.704	0.293	0.288	<0.001	19_CD4.T_{EM}
ACAP1	<0.001	0.641	0.317	0.319	<0.001	19_CD4.T_{EM}
MYO1F	<0.001	0.573	0.258	0.256	<0.001	19_CD4.T_{EM}
NKTR	<0.001	0.673	0.292	0.315	<0.001	19_CD4.T_{EM}
LST1	<0.001	2.332	1.000	0.303	<0.001	20_CD16.Mono
IFITM3	<0.001	2.102	0.890	0.140	<0.001	20_CD16.Mono
AIF1	<0.001	2.067	0.998	0.344	<0.001	20_CD16.Mono
FCGR3A	<0.001	1.967	0.852	0.082	<0.001	20_CD16.Mono
COTL1	<0.001	1.838	0.995	0.445	<0.001	20_CD16.Mono
LYPD2	<0.001	1.793	0.311	0.000	<0.001	20_CD16.Mono
SERPINA1	<0.001	1.748	0.944	0.144	<0.001	20_CD16.Mono
MS4A7	<0.001	1.740	0.751	0.059	<0.001	20_CD16.Mono

SAT1	<0.001	1.735	0.997	0.546	<0.001	20_CD16.Mono
FCER1G	<0.001	1.724	0.984	0.311	<0.001	20_CD16.Mono
TIMP1	<0.001	1.699	0.934	0.285	<0.001	20_CD16.Mono
SMIM25	<0.001	1.650	0.764	0.053	<0.001	20_CD16.Mono
S100A11	<0.001	1.600	0.982	0.360	<0.001	20_CD16.Mono
PSAP	<0.001	1.581	0.988	0.450	<0.001	20_CD16.Mono
CFD	<0.001	1.546	0.919	0.191	<0.001	20_CD16.Mono
FTH1	<0.001	1.519	1.000	0.963	<0.001	20_CD16.Mono
RHOC	<0.001	1.470	0.789	0.125	<0.001	20_CD16.Mono
SPI1	<0.001	1.463	0.906	0.201	<0.001	20_CD16.Mono
CTSS	<0.001	1.442	0.987	0.408	<0.001	20_CD16.Mono
FTL	<0.001	1.418	1.000	0.968	<0.001	20_CD16.Mono
CST3	<0.001	1.397	0.995	0.347	<0.001	20_CD16.Mono
CD68	<0.001	1.376	0.821	0.125	<0.001	20_CD16.Mono
CDKN1C	<0.001	1.345	0.545	0.009	<0.001	20_CD16.Mono
IFI30	<0.001	1.343	0.687	0.081	<0.001	20_CD16.Mono
IFITM2	<0.001	1.313	0.965	0.483	<0.001	20_CD16.Mono
STXBP2	<0.001	1.312	0.898	0.299	<0.001	20_CD16.Mono
TYROBP	<0.001	1.297	0.999	0.390	<0.001	20_CD16.Mono
HES4	<0.001	1.285	0.551	0.009	<0.001	20_CD16.Mono
VMO1	<0.001	1.282	0.328	0.003	<0.001	20_CD16.Mono
LRRC25	<0.001	1.253	0.671	0.058	<0.001	20_CD16.Mono
PILRA	<0.001	1.223	0.655	0.057	<0.001	20_CD16.Mono
CXCL16	<0.001	1.213	0.621	0.046	<0.001	20_CD16.Mono
NPC2	<0.001	1.203	0.933	0.381	<0.001	20_CD16.Mono
LYN	<0.001	1.200	0.803	0.199	<0.001	20_CD16.Mono
NEAT1	<0.001	1.197	0.993	0.630	<0.001	20_CD16.Mono
VSIR	<0.001	1.166	0.864	0.312	<0.001	20_CD16.Mono
ASAH1	<0.001	1.131	0.864	0.293	<0.001	20_CD16.Mono
BID	<0.001	1.113	0.715	0.182	<0.001	20_CD16.Mono
TYMP	<0.001	1.113	0.892	0.290	<0.001	20_CD16.Mono
LILRB2	<0.001	1.079	0.617	0.062	<0.001	20_CD16.Mono
LILRA5	<0.001	1.075	0.577	0.065	<0.001	20_CD16.Mono
HMOX1	<0.001	1.071	0.558	0.044	<0.001	20_CD16.Mono
S100A4	<0.001	1.070	0.998	0.763	<0.001	20_CD16.Mono
CSTB	<0.001	1.060	0.786	0.355	<0.001	20_CD16.Mono
G0S2	<0.001	1.055	0.423	0.102	<0.001	20_CD16.Mono
NAP1L1	<0.001	1.037	0.956	0.659	<0.001	20_CD16.Mono
MAFB	<0.001	1.035	0.643	0.093	<0.001	20_CD16.Mono
CFP	<0.001	1.022	0.718	0.145	<0.001	20_CD16.Mono
HCK	<0.001	1.017	0.564	0.072	<0.001	20_CD16.Mono
RNASET2	<0.001	1.012	0.862	0.380	<0.001	20_CD16.Mono
PECAM1	<0.001	1.009	0.605	0.098	<0.001	20_CD16.Mono

TNFRSF1B	<0.001	1.009	0.681	0.163	<0.001	20_CD16.Mono
FCN1	<0.001	1.002	0.877	0.223	<0.001	20_CD16.Mono
JPT1	<0.001	1.001	0.721	0.232	<0.001	20_CD16.Mono
WARS	<0.001	0.995	0.587	0.099	<0.001	20_CD16.Mono
CSF1R	<0.001	0.994	0.481	0.032	<0.001	20_CD16.Mono
C5AR1	<0.001	0.979	0.565	0.057	<0.001	20_CD16.Mono
CLEC7A	<0.001	0.978	0.741	0.131	<0.001	20_CD16.Mono
SLC7A7	<0.001	0.974	0.570	0.065	<0.001	20_CD16.Mono
TCF7L2	<0.001	0.963	0.471	0.025	<0.001	20_CD16.Mono
BCL2A1	<0.001	0.937	0.637	0.116	<0.001	20_CD16.Mono
PYCARD	<0.001	0.925	0.799	0.275	<0.001	20_CD16.Mono
MT2A	<0.001	0.923	0.714	0.344	<0.001	20_CD16.Mono
CEBPB	<0.001	0.922	0.781	0.283	<0.001	20_CD16.Mono
PTPN6	<0.001	0.913	0.698	0.234	<0.001	20_CD16.Mono
NAAA	<0.001	0.897	0.559	0.117	<0.001	20_CD16.Mono
CMTM6	<0.001	0.888	0.759	0.273	<0.001	20_CD16.Mono
FKBP1A	<0.001	0.881	0.886	0.463	<0.001	20_CD16.Mono
HLA-DPA1	<0.001	0.876	0.875	0.379	<0.001	20_CD16.Mono
OAZ1	<0.001	0.875	0.991	0.810	<0.001	20_CD16.Mono
NFKBIZ	<0.001	0.866	0.595	0.162	<0.001	20_CD16.Mono
TPPP3	<0.001	0.861	0.334	0.012	<0.001	20_CD16.Mono
PRELID1	<0.001	0.858	0.836	0.423	<0.001	20_CD16.Mono
FGR	<0.001	0.857	0.633	0.144	<0.001	20_CD16.Mono
VASP	<0.001	0.856	0.644	0.216	<0.001	20_CD16.Mono
S100A6	<0.001	0.856	0.998	0.804	<0.001	20_CD16.Mono
TKT	<0.001	0.854	0.850	0.377	<0.001	20_CD16.Mono
NAMPT	<0.001	0.846	0.850	0.247	<0.001	20_CD16.Mono
DRAP1	<0.001	0.843	0.831	0.429	<0.001	20_CD16.Mono
ZFAND5	<0.001	0.843	0.683	0.233	<0.001	20_CD16.Mono
LY6E	<0.001	0.842	0.820	0.418	<0.001	20_CD16.Mono
EMP3	<0.001	0.840	0.965	0.643	<0.001	20_CD16.Mono
APOBEC3A	<0.001	0.835	0.341	0.039	<0.001	20_CD16.Mono
RHOG	<0.001	0.833	0.769	0.341	<0.001	20_CD16.Mono
HSBP1	<0.001	0.830	0.638	0.224	<0.001	20_CD16.Mono
ANXA2	<0.001	0.829	0.769	0.293	<0.001	20_CD16.Mono
ARRB2	<0.001	0.828	0.709	0.234	<0.001	20_CD16.Mono
SLC11A1	<0.001	0.826	0.543	0.088	<0.001	20_CD16.Mono
CARD16	<0.001	0.816	0.692	0.245	<0.001	20_CD16.Mono
UNC119	<0.001	0.802	0.511	0.088	<0.001	20_CD16.Mono
ANXA5	<0.001	0.800	0.681	0.228	<0.001	20_CD16.Mono
C19orf38	<0.001	0.799	0.517	0.073	<0.001	20_CD16.Mono
ZNF703	<0.001	0.796	0.385	0.014	<0.001	20_CD16.Mono
CALM2	<0.001	0.791	0.902	0.663	<0.001	20_CD16.Mono

TESC	<0.001	0.790	0.496	0.132	<0.001	20_CD16.Mono
BRI3	<0.001	0.788	0.605	0.177	<0.001	20_CD16.Mono
MAPKAPK3	<0.001	0.787	0.514	0.112	<0.001	20_CD16.Mono
LILRA1	<0.001	0.786	0.402	0.025	<0.001	20_CD16.Mono
POU2F2	<0.001	0.779	0.471	0.111	<0.001	20_CD16.Mono
EVI2B	<0.001	0.778	0.813	0.394	<0.001	20_CD16.Mono
CKB	<0.001	0.777	0.300	0.014	<0.001	20_CD16.Mono
ACTB	<0.001	0.776	1.000	0.982	<0.001	20_CD16.Mono
CASP1	<0.001	0.772	0.569	0.162	<0.001	20_CD16.Mono
ARPC3	<0.001	0.770	0.937	0.691	<0.001	20_CD16.Mono
PTP4A2	<0.001	0.769	0.879	0.482	<0.001	20_CD16.Mono
SIGLEC10	<0.001	0.752	0.374	0.018	<0.001	20_CD16.Mono
ARPC1B	<0.001	0.745	0.812	0.453	<0.001	20_CD16.Mono
LGALS9	<0.001	0.742	0.585	0.192	<0.001	20_CD16.Mono
FGL2	<0.001	0.739	0.523	0.111	<0.001	20_CD16.Mono
CD86	<0.001	0.738	0.458	0.072	<0.001	20_CD16.Mono
LTA4H	<0.001	0.737	0.579	0.215	<0.001	20_CD16.Mono
CLEC12A	<0.001	0.734	0.464	0.084	<0.001	20_CD16.Mono
RHOB	<0.001	0.733	0.505	0.134	<0.001	20_CD16.Mono
FAM110A	<0.001	0.718	0.381	0.049	<0.001	20_CD16.Mono
NINJ1	<0.001	0.717	0.534	0.141	<0.001	20_CD16.Mono
MTSS1	<0.001	0.711	0.419	0.069	<0.001	20_CD16.Mono
CD52	<0.001	0.710	0.974	0.697	<0.001	20_CD16.Mono
ABI3	<0.001	0.693	0.431	0.070	<0.001	20_CD16.Mono
THEMIS2	<0.001	0.692	0.552	0.157	<0.001	20_CD16.Mono
ARPC5	<0.001	0.684	0.761	0.434	<0.001	20_CD16.Mono
TMSB4X	<0.001	0.684	1.000	0.969	<0.001	20_CD16.Mono
ARPC2	<0.001	0.684	0.943	0.697	<0.001	20_CD16.Mono
C1orf162	<0.001	0.677	0.680	0.270	<0.001	20_CD16.Mono
SH3BGRL	<0.001	0.674	0.781	0.433	<0.001	20_CD16.Mono
INSIG1	<0.001	0.664	0.439	0.108	<0.001	20_CD16.Mono
SLC2A6	<0.001	0.664	0.359	0.035	<0.001	20_CD16.Mono
CUX1	<0.001	0.663	0.431	0.117	<0.001	20_CD16.Mono
CTSC	<0.001	0.662	0.567	0.221	<0.001	20_CD16.Mono
CD300E	<0.001	0.659	0.383	0.047	<0.001	20_CD16.Mono
SPN	<0.001	0.658	0.546	0.210	<0.001	20_CD16.Mono
CAMK1	<0.001	0.656	0.366	0.026	<0.001	20_CD16.Mono
PLAUR	<0.001	0.656	0.560	0.135	<0.001	20_CD16.Mono
SNX18	<0.001	0.647	0.421	0.065	<0.001	20_CD16.Mono
LGALS3	<0.001	0.647	0.548	0.169	<0.001	20_CD16.Mono
TBXAS1	<0.001	0.646	0.405	0.067	<0.001	20_CD16.Mono
RNH1	<0.001	0.644	0.633	0.279	<0.001	20_CD16.Mono
STX11	<0.001	0.644	0.501	0.115	<0.001	20_CD16.Mono

S100A10	<0.001	0.638	0.897	0.524	<0.001	20_CD16.Mono
FCGRT	<0.001	0.636	0.675	0.255	<0.001	20_CD16.Mono
LGALS1	<0.001	0.635	0.979	0.440	<0.001	20_CD16.Mono
VAMP5	<0.001	0.632	0.508	0.199	<0.001	20_CD16.Mono
LYST	<0.001	0.631	0.515	0.156	<0.001	20_CD16.Mono
RHOA	<0.001	0.628	0.872	0.547	<0.001	20_CD16.Mono
HLA-DRB5	<0.001	0.627	0.465	0.158	<0.001	20_CD16.Mono
NCF2	<0.001	0.623	0.423	0.076	<0.001	20_CD16.Mono
SLC25A6	<0.001	0.623	0.967	0.791	<0.001	20_CD16.Mono
GNB2	<0.001	0.621	0.636	0.289	<0.001	20_CD16.Mono
ITGAX	<0.001	0.620	0.360	0.047	<0.001	20_CD16.Mono
ISG15	<0.001	0.619	0.526	0.245	<0.001	20_CD16.Mono
RGS19	<0.001	0.618	0.493	0.154	<0.001	20_CD16.Mono
MYL6	<0.001	0.615	0.972	0.834	<0.001	20_CD16.Mono
HOTAIRM1	<0.001	0.613	0.415	0.089	<0.001	20_CD16.Mono
CHCHD10	<0.001	0.612	0.614	0.276	<0.001	20_CD16.Mono
CPPED1	<0.001	0.609	0.382	0.085	<0.001	20_CD16.Mono
TCIRG1	<0.001	0.606	0.469	0.125	<0.001	20_CD16.Mono
CRIP1	<0.001	0.606	0.586	0.273	<0.001	20_CD16.Mono
GDI2	<0.001	0.603	0.718	0.388	<0.001	20_CD16.Mono
LILRB1	<0.001	0.601	0.326	0.037	<0.001	20_CD16.Mono
BATF3	<0.001	0.597	0.283	0.010	<0.001	20_CD16.Mono
SYNGR2	<0.001	0.596	0.514	0.194	<0.001	20_CD16.Mono
MARCKS	<0.001	0.594	0.423	0.106	<0.001	20_CD16.Mono
MYO1G	<0.001	0.592	0.577	0.206	<0.001	20_CD16.Mono
CALHM6	<0.001	0.591	0.379	0.073	<0.001	20_CD16.Mono
RNF144B	<0.001	0.588	0.315	0.043	<0.001	20_CD16.Mono
GSTP1	<0.001	0.582	0.886	0.536	<0.001	20_CD16.Mono
OAS1	<0.001	0.581	0.327	0.049	<0.001	20_CD16.Mono
LRRFIP1	<0.001	0.581	0.762	0.429	<0.001	20_CD16.Mono
BLOC1S1	<0.001	0.578	0.777	0.429	<0.001	20_CD16.Mono
PFN1	<0.001	0.575	0.989	0.888	<0.001	20_CD16.Mono
HIGD2A	<0.001	0.574	0.806	0.485	<0.001	20_CD16.Mono
GNG5	<0.001	0.572	0.719	0.379	<0.001	20_CD16.Mono
CD300LF	<0.001	0.571	0.339	0.043	<0.001	20_CD16.Mono
SH3BGRL3	<0.001	0.571	0.986	0.798	<0.001	20_CD16.Mono
GNAI2	<0.001	0.570	0.597	0.274	<0.001	20_CD16.Mono
PGLS	<0.001	0.570	0.655	0.314	<0.001	20_CD16.Mono
IFNGR2	<0.001	0.568	0.435	0.127	<0.001	20_CD16.Mono
RNF149	<0.001	0.567	0.454	0.133	<0.001	20_CD16.Mono
HLA-DRB1	<0.001	0.566	0.875	0.415	<0.001	20_CD16.Mono
CYBB	<0.001	0.561	0.530	0.133	<0.001	20_CD16.Mono
SEC11A	<0.001	0.560	0.700	0.367	<0.001	20_CD16.Mono

FCGR2A	<0.001	0.558	0.334	0.055	<0.001	20_CD16.Mono
MARCKSL1	<0.001	0.557	0.448	0.190	<0.001	20_CD16.Mono
ITGB2	<0.001	0.556	0.784	0.409	<0.001	20_CD16.Mono
YBX1	<0.001	0.556	0.973	0.783	<0.001	20_CD16.Mono
CAPZA2	<0.001	0.554	0.637	0.311	<0.001	20_CD16.Mono
SAMSN1	<0.001	0.553	0.505	0.177	<0.001	20_CD16.Mono
ATP1B3	<0.001	0.552	0.540	0.246	<0.001	20_CD16.Mono
LY96	<0.001	0.551	0.469	0.124	<0.001	20_CD16.Mono
GRK2	<0.001	0.551	0.479	0.162	<0.001	20_CD16.Mono
LILRA2	<0.001	0.549	0.334	0.044	<0.001	20_CD16.Mono
SLC43A2	<0.001	0.548	0.384	0.080	<0.001	20_CD16.Mono
ZEB2	<0.001	0.547	0.688	0.313	<0.001	20_CD16.Mono
RXRA	<0.001	0.545	0.344	0.073	<0.001	20_CD16.Mono
CTSL	<0.001	0.545	0.291	0.042	<0.001	20_CD16.Mono
ITM2B	<0.001	0.545	0.943	0.754	<0.001	20_CD16.Mono
LSP1	<0.001	0.543	0.816	0.468	<0.001	20_CD16.Mono
GLUL	<0.001	0.543	0.591	0.250	<0.001	20_CD16.Mono
TUBA1A	<0.001	0.542	0.674	0.371	<0.001	20_CD16.Mono
TMEM176B	<0.001	0.540	0.289	0.050	<0.001	20_CD16.Mono
ATG3	<0.001	0.540	0.485	0.206	<0.001	20_CD16.Mono
SCIMP	<0.001	0.540	0.310	0.036	<0.001	20_CD16.Mono
FAM49A	<0.001	0.538	0.344	0.054	<0.001	20_CD16.Mono
PGK1	<0.001	0.534	0.716	0.428	<0.001	20_CD16.Mono
SNX10	<0.001	0.534	0.424	0.121	<0.001	20_CD16.Mono
FAM45A	<0.001	0.534	0.446	0.159	<0.001	20_CD16.Mono
CAPZB	<0.001	0.532	0.744	0.451	<0.001	20_CD16.Mono
KLF4	<0.001	0.531	0.457	0.129	<0.001	20_CD16.Mono
CYBA	<0.001	0.530	0.987	0.791	<0.001	20_CD16.Mono
GPBAR1	<0.001	0.529	0.275	0.023	<0.001	20_CD16.Mono
AP1S2	<0.001	0.529	0.723	0.303	<0.001	20_CD16.Mono
SOD2	<0.001	0.527	0.433	0.142	<0.001	20_CD16.Mono
SH3BP2	<0.001	0.524	0.371	0.084	<0.001	20_CD16.Mono
TPM3	<0.001	0.522	0.834	0.536	<0.001	20_CD16.Mono
C20orf27	<0.001	0.519	0.482	0.196	<0.001	20_CD16.Mono
IER5	<0.001	0.518	0.385	0.136	<0.001	20_CD16.Mono
ADGRE2	<0.001	0.516	0.283	0.028	<0.001	20_CD16.Mono
MTPN	<0.001	0.512	0.554	0.274	<0.001	20_CD16.Mono
ATP6V0B	<0.001	0.512	0.748	0.395	<0.001	20_CD16.Mono
RARA	<0.001	0.510	0.351	0.072	<0.001	20_CD16.Mono
CD83	<0.001	0.509	0.379	0.098	<0.001	20_CD16.Mono
CDH23	<0.001	0.505	0.257	0.013	<0.001	20_CD16.Mono
SLC31A2	<0.001	0.502	0.272	0.040	<0.001	20_CD16.Mono
NR4A1	<0.001	0.501	0.281	0.043	<0.001	20_CD16.Mono

IGHA1	<0.001	5.972	0.650	0.117	<0.001	21_Plasma
IGKC	<0.001	5.758	0.808	0.282	<0.001	21_Plasma
IGHG1	<0.001	5.620	0.562	0.045	<0.001	21_Plasma
IGLC2	<0.001	5.349	0.572	0.132	<0.001	21_Plasma
IGHG3	<0.001	5.127	0.514	0.028	<0.001	21_Plasma
IGLC3	<0.001	5.037	0.398	0.070	<0.001	21_Plasma
IGHG2	<0.001	4.469	0.377	0.015	<0.001	21_Plasma
JCHAIN	<0.001	4.426	0.587	0.073	<0.001	21_Plasma
IGHG4	<0.001	4.099	0.391	0.012	<0.001	21_Plasma
IGHA2	<0.001	3.515	0.363	0.014	<0.001	21_Plasma
MZB1	<0.001	2.851	0.942	0.083	<0.001	21_Plasma
SSR4	<0.001	2.123	0.975	0.601	<0.001	21_Plasma
DERL3	<0.001	1.761	0.800	0.039	<0.001	21_Plasma
FKBP11	<0.001	1.714	0.873	0.166	<0.001	21_Plasma
SEC11C	<0.001	1.577	0.826	0.174	<0.001	21_Plasma
HSP90B1	<0.001	1.518	0.925	0.396	<0.001	21_Plasma
HERPUD1	<0.001	1.438	0.892	0.317	<0.001	21_Plasma
ITM2C	<0.001	1.328	0.791	0.120	<0.001	21_Plasma
ANKRD28	<0.001	1.322	0.653	0.142	<0.001	21_Plasma
XBP1	<0.001	1.271	0.869	0.298	<0.001	21_Plasma
FKBP2	<0.001	1.251	0.845	0.214	<0.001	21_Plasma
PRDX4	<0.001	1.171	0.734	0.126	<0.001	21_Plasma
TNFRSF17	<0.001	1.033	0.568	0.004	<0.001	21_Plasma
CD27	<0.001	0.926	0.696	0.125	<0.001	21_Plasma
SPCS2	<0.001	0.902	0.854	0.358	<0.001	21_Plasma
MANF	<0.001	0.890	0.690	0.147	<0.001	21_Plasma
MYDGF	<0.001	0.888	0.773	0.255	<0.001	21_Plasma
JSRP1	<0.001	0.873	0.407	0.003	<0.001	21_Plasma
SELENOS	<0.001	0.860	0.757	0.209	<0.001	21_Plasma
PDIA4	<0.001	0.844	0.670	0.155	<0.001	21_Plasma
SDF2L1	<0.001	0.790	0.729	0.203	<0.001	21_Plasma
UBE2J1	<0.001	0.777	0.716	0.209	<0.001	21_Plasma
SELENOM	<0.001	0.769	0.627	0.096	<0.001	21_Plasma
SDC1	<0.001	0.746	0.464	0.001	<0.001	21_Plasma
LMNA	<0.001	0.743	0.502	0.127	<0.001	21_Plasma
SSR3	<0.001	0.743	0.729	0.238	<0.001	21_Plasma
SPCS3	<0.001	0.709	0.756	0.240	<0.001	21_Plasma
CRELD2	<0.001	0.704	0.622	0.105	<0.001	21_Plasma
TNFRSF13B	<0.001	0.681	0.498	0.012	<0.001	21_Plasma
PPIB	<0.001	0.678	0.842	0.488	<0.001	21_Plasma
SPCS1	<0.001	0.676	0.846	0.472	<0.001	21_Plasma
RASGRP3	<0.001	0.673	0.488	0.022	<0.001	21_Plasma
PLPP5	<0.001	0.657	0.633	0.082	<0.001	21_Plasma

PDIA6	<0.001	0.645	0.749	0.287	<0.001	21_Plasma
FCRL5	<0.001	0.644	0.490	0.014	<0.001	21_Plasma
CYTOR	<0.001	0.633	0.562	0.207	<0.001	21_Plasma
DNAJB9	<0.001	0.610	0.598	0.129	<0.001	21_Plasma
ERLEC1	<0.001	0.602	0.576	0.111	<0.001	21_Plasma
GNG7	<0.001	0.589	0.580	0.070	<0.001	21_Plasma
ISG20	<0.001	0.581	0.736	0.295	<0.001	21_Plasma
TRIB1	<0.001	0.577	0.478	0.065	<0.001	21_Plasma
TMED9	<0.001	0.571	0.698	0.248	<0.001	21_Plasma
CD38	<0.001	0.566	0.520	0.074	<0.001	21_Plasma
LMAN1	<0.001	0.563	0.538	0.122	<0.001	21_Plasma
SELENOK	<0.001	0.543	0.789	0.391	<0.001	21_Plasma
POU2AF1	<0.001	0.524	0.459	0.035	<0.001	21_Plasma
KRTCAP2	<0.001	0.520	0.719	0.291	<0.001	21_Plasma
CHPF	<0.001	0.508	0.423	0.011	<0.001	21_Plasma
TPD52	<0.001	0.507	0.571	0.104	<0.001	21_Plasma
KDELR2	<0.001	0.506	0.673	0.235	<0.001	21_Plasma
SPAG4	<0.001	0.505	0.379	0.003	<0.001	21_Plasma
TP53INP1	<0.001	0.503	0.373	0.037	<0.001	21_Plasma
PELI1	<0.001	0.500	0.383	0.067	<0.001	21_Plasma
JUN	<0.001	0.516	0.805	0.613	<0.001	21_Plasma
IGHM	<0.001	2.874	0.293	0.157	<0.001	21_Plasma
IRF8	<0.001	2.127	0.899	0.095	<0.001	22_pDC
ITM2C	<0.001	2.058	0.941	0.118	<0.001	22_pDC
IRF7	<0.001	2.055	0.845	0.098	<0.001	22_pDC
PLD4	<0.001	2.048	0.904	0.057	<0.001	22_pDC
JCHAIN	<0.001	1.939	0.916	0.069	<0.001	22_pDC
C12orf75	<0.001	1.870	0.957	0.206	<0.001	22_pDC
TCF4	<0.001	1.855	0.882	0.100	<0.001	22_pDC
LILRA4	<0.001	1.854	0.748	0.003	<0.001	22_pDC
SERPINF1	<0.001	1.776	0.671	0.015	<0.001	22_pDC
PLAC8	<0.001	1.772	0.972	0.398	<0.001	22_pDC
CCDC50	<0.001	1.718	0.839	0.084	<0.001	22_pDC
GZMB	<0.001	1.654	0.688	0.144	<0.001	22_pDC
APP	<0.001	1.650	0.842	0.087	<0.001	22_pDC
SCT	<0.001	1.629	0.640	0.001	<0.001	22_pDC
PPP1R14B	<0.001	1.607	0.715	0.097	<0.001	22_pDC
BCL11A	<0.001	1.584	0.822	0.132	<0.001	22_pDC
SEC61B	<0.001	1.544	0.979	0.483	<0.001	22_pDC
CD74	<0.001	1.533	1.000	0.641	<0.001	22_pDC
TPM2	<0.001	1.496	0.564	0.008	<0.001	22_pDC
UGCG	<0.001	1.480	0.719	0.063	<0.001	22_pDC
NPC2	<0.001	1.475	0.944	0.383	<0.001	22_pDC

MZB1	<0.001	1.406	0.795	0.086	<0.001	22_pDC
ALOX5AP	<0.001	1.402	0.869	0.240	<0.001	22_pDC
SOX4	<0.001	1.401	0.750	0.151	<0.001	22_pDC
IL3RA	<0.001	1.359	0.651	0.016	<0.001	22_pDC
DERL3	<0.001	1.333	0.609	0.043	<0.001	22_pDC
RNASE6	<0.001	1.303	0.770	0.132	<0.001	22_pDC
PLP2	<0.001	1.249	0.901	0.332	<0.001	22_pDC
HERPUD1	<0.001	1.216	0.876	0.317	<0.001	22_pDC
GPR183	<0.001	1.209	0.636	0.165	<0.001	22_pDC
SMPD3	<0.001	1.192	0.497	0.003	<0.001	22_pDC
CLIC3	<0.001	1.189	0.535	0.080	<0.001	22_pDC
STMN1	<0.001	1.183	0.753	0.223	<0.001	22_pDC
IRF4	<0.001	1.174	0.521	0.032	<0.001	22_pDC
SPCS1	<0.001	1.171	0.918	0.471	<0.001	22_pDC
SLC15A4	<0.001	1.163	0.595	0.051	<0.001	22_pDC
SPIB	<0.001	1.159	0.609	0.045	<0.001	22_pDC
SELENOS	<0.001	1.142	0.717	0.209	<0.001	22_pDC
TSPAN13	<0.001	1.131	0.596	0.090	<0.001	22_pDC
TXN	<0.001	1.093	0.871	0.385	<0.001	22_pDC
LILRB4	<0.001	1.077	0.576	0.035	<0.001	22_pDC
MAPKAPK2	<0.001	1.057	0.606	0.095	<0.001	22_pDC
TGFBI	<0.001	1.054	0.627	0.077	<0.001	22_pDC
TRAF4	<0.001	1.038	0.475	0.039	<0.001	22_pDC
PTCRA	<0.001	1.037	0.412	0.004	<0.001	22_pDC
PPIB	<0.001	1.026	0.909	0.487	<0.001	22_pDC
CYB561A3	<0.001	1.005	0.608	0.116	<0.001	22_pDC
RNASET2	<0.001	0.998	0.877	0.382	<0.001	22_pDC
SEC61G	<0.001	0.996	0.941	0.566	<0.001	22_pDC
HLA-DMA	<0.001	0.980	0.841	0.278	<0.001	22_pDC
FCER1A	<0.001	0.978	0.496	0.032	<0.001	22_pDC
TAGLN2	<0.001	0.973	0.921	0.484	<0.001	22_pDC
GAPT	<0.001	0.966	0.537	0.068	<0.001	22_pDC
VAMP8	<0.001	0.958	0.890	0.469	<0.001	22_pDC
HLA-DPB1	<0.001	0.946	0.957	0.426	<0.001	22_pDC
HLA-DRA	<0.001	0.943	0.993	0.460	<0.001	22_pDC
PHACTR1	<0.001	0.928	0.629	0.110	<0.001	22_pDC
HSP90B1	<0.001	0.924	0.863	0.397	<0.001	22_pDC
CCDC88A	<0.001	0.919	0.591	0.138	<0.001	22_pDC
CLEC4C	<0.001	0.910	0.395	0.001	<0.001	22_pDC
HLA-DPA1	<0.001	0.906	0.922	0.380	<0.001	22_pDC
CST3	<0.001	0.905	0.972	0.350	<0.001	22_pDC
LGMN	<0.001	0.902	0.482	0.018	<0.001	22_pDC
HLA-DRB1	<0.001	0.899	0.953	0.415	<0.001	22_pDC

OSTC	<0.001	0.870	0.744	0.302	<0.001	22_pDC
AC119428.2	<0.001	0.869	0.348	0.005	<0.001	22_pDC
LDLRAD4	<0.001	0.869	0.431	0.058	<0.001	22_pDC
FAM129C	<0.001	0.853	0.525	0.052	<0.001	22_pDC
RUNX2	<0.001	0.852	0.447	0.032	<0.001	22_pDC
SRP14	<0.001	0.851	0.969	0.754	<0.001	22_pDC
TNFRSF21	<0.001	0.851	0.444	0.021	<0.001	22_pDC
GAS6	<0.001	0.847	0.419	0.021	<0.001	22_pDC
PARK7	<0.001	0.846	0.866	0.425	<0.001	22_pDC
MYBL2	<0.001	0.846	0.332	0.055	<0.001	22_pDC
FKBP2	<0.001	0.840	0.664	0.217	<0.001	22_pDC
OFD1	<0.001	0.834	0.479	0.136	<0.001	22_pDC
RAB11FIP1	<0.001	0.834	0.590	0.156	<0.001	22_pDC
ERP29	<0.001	0.826	0.899	0.527	<0.001	22_pDC
SSR4	<0.001	0.817	0.942	0.602	<0.001	22_pDC
PHB	<0.001	0.804	0.640	0.211	<0.001	22_pDC
C12orf45	<0.001	0.801	0.443	0.079	<0.001	22_pDC
NUCB2	<0.001	0.791	0.626	0.250	<0.001	22_pDC
CD2AP	<0.001	0.787	0.462	0.074	<0.001	22_pDC
UBE2J1	<0.001	0.784	0.654	0.210	<0.001	22_pDC
LRRC26	<0.001	0.781	0.298	0.005	<0.001	22_pDC
PTPRE	<0.001	0.779	0.625	0.163	<0.001	22_pDC
SIVA1	<0.001	0.777	0.738	0.326	<0.001	22_pDC
CLN8	<0.001	0.770	0.427	0.064	<0.001	22_pDC
HLA-DRB5	<0.001	0.770	0.536	0.158	<0.001	22_pDC
CTSB	<0.001	0.760	0.606	0.181	<0.001	22_pDC
SPINT2	<0.001	0.750	0.631	0.198	<0.001	22_pDC
CNPY3	<0.001	0.749	0.734	0.286	<0.001	22_pDC
CDK2AP2	<0.001	0.745	0.523	0.151	<0.001	22_pDC
SEL1L3	<0.001	0.742	0.434	0.051	<0.001	22_pDC
JAML	<0.001	0.740	0.579	0.126	<0.001	22_pDC
TUBA1B	<0.001	0.738	0.746	0.413	<0.001	22_pDC
DSTN	<0.001	0.738	0.712	0.304	<0.001	22_pDC
MAP1A	<0.001	0.737	0.349	0.010	<0.001	22_pDC
HIGD1A	<0.001	0.724	0.501	0.148	<0.001	22_pDC
A1BG	<0.001	0.723	0.533	0.121	<0.001	22_pDC
DNASE1L3	<0.001	0.722	0.291	0.005	<0.001	22_pDC
FCER1G	<0.001	0.721	0.883	0.314	<0.001	22_pDC
CD68	<0.001	0.720	0.579	0.131	<0.001	22_pDC
PPM1K	<0.001	0.719	0.489	0.120	<0.001	22_pDC
RRBP1	<0.001	0.714	0.433	0.096	<0.001	22_pDC
CAPG	<0.001	0.712	0.658	0.179	<0.001	22_pDC
SLC20A1	<0.001	0.707	0.450	0.109	<0.001	22_pDC

TMED10	<0.001	0.707	0.708	0.302	<0.001	22_pDC
GRAMD1B	<0.001	0.706	0.331	0.024	<0.001	22_pDC
DDAH2	<0.001	0.703	0.507	0.120	<0.001	22_pDC
SFT2D2	<0.001	0.692	0.472	0.109	<0.001	22_pDC
HLA-DMB	<0.001	0.689	0.630	0.166	<0.001	22_pDC
AC023590.1	<0.001	0.682	0.323	0.018	<0.001	22_pDC
SHD	<0.001	0.679	0.323	0.001	<0.001	22_pDC
PPP1R14A	<0.001	0.678	0.310	0.051	<0.001	22_pDC
B4GALT1	<0.001	0.665	0.408	0.139	<0.001	22_pDC
HLA-DQB1	<0.001	0.663	0.782	0.275	<0.001	22_pDC
PROC	<0.001	0.658	0.290	0.001	<0.001	22_pDC
UCP2	<0.001	0.657	0.736	0.378	<0.001	22_pDC
MEF2C	<0.001	0.656	0.613	0.185	<0.001	22_pDC
LSP1	<0.001	0.655	0.845	0.468	<0.001	22_pDC
SLC7A5	<0.001	0.654	0.365	0.046	<0.001	22_pDC
GSN	<0.001	0.652	0.447	0.065	<0.001	22_pDC
PDIA4	<0.001	0.652	0.506	0.158	<0.001	22_pDC
PAXX	<0.001	0.648	0.668	0.290	<0.001	22_pDC
UNC93B1	<0.001	0.646	0.388	0.074	<0.001	22_pDC
TNNI2	<0.001	0.644	0.326	0.023	<0.001	22_pDC
CYBA	<0.001	0.641	0.990	0.791	<0.001	22_pDC
CXCR3	<0.001	0.641	0.306	0.030	<0.001	22_pDC
MPEG1	<0.001	0.638	0.491	0.115	<0.001	22_pDC
N4BP2L1	<0.001	0.628	0.492	0.162	<0.001	22_pDC
AP3S1	<0.001	0.627	0.641	0.267	<0.001	22_pDC
SCN9A	<0.001	0.626	0.310	0.006	<0.001	22_pDC
SCARB2	<0.001	0.622	0.384	0.095	<0.001	22_pDC
TMEM258	<0.001	0.620	0.831	0.505	<0.001	22_pDC
VEGFB	<0.001	0.618	0.321	0.039	<0.001	22_pDC
AC007952.4	<0.001	0.617	0.643	0.267	<0.001	22_pDC
EIF4A3	<0.001	0.615	0.460	0.142	<0.001	22_pDC
AC245014.3	<0.001	0.612	0.565	0.240	<0.001	22_pDC
PTMS	<0.001	0.612	0.369	0.095	<0.001	22_pDC
IDH3A	<0.001	0.611	0.376	0.065	<0.001	22_pDC
ATG101	<0.001	0.610	0.388	0.075	<0.001	22_pDC
BLNK	<0.001	0.609	0.351	0.034	<0.001	22_pDC
GNG7	<0.001	0.605	0.420	0.072	<0.001	22_pDC
ARID3A	<0.001	0.604	0.314	0.050	<0.001	22_pDC
OPN3	<0.001	0.603	0.352	0.050	<0.001	22_pDC
DBI	<0.001	0.601	0.779	0.423	<0.001	22_pDC
TRAM1	<0.001	0.600	0.676	0.317	<0.001	22_pDC
AC103591.3	<0.001	0.599	0.537	0.223	<0.001	22_pDC
TMED2	<0.001	0.594	0.670	0.336	<0.001	22_pDC

GRN	<0.001	0.591	0.664	0.232	<0.001	22_pDC
MTDH	<0.001	0.587	0.742	0.414	<0.001	22_pDC
MGST2	<0.001	0.587	0.457	0.138	<0.001	22_pDC
DAB2	<0.001	0.586	0.303	0.016	<0.001	22_pDC
SNRNP25	<0.001	0.585	0.452	0.131	<0.001	22_pDC
TM9SF2	<0.001	0.584	0.490	0.153	<0.001	22_pDC
ADA	<0.001	0.583	0.395	0.093	<0.001	22_pDC
HMGN1	<0.001	0.582	0.868	0.568	<0.001	22_pDC
OGT	<0.001	0.579	0.418	0.125	<0.001	22_pDC
CSF2RB	<0.001	0.577	0.315	0.038	<0.001	22_pDC
CORO1C	<0.001	0.574	0.391	0.100	<0.001	22_pDC
CD164	<0.001	0.570	0.683	0.357	<0.001	22_pDC
MYL12A	<0.001	0.565	0.947	0.734	<0.001	22_pDC
MYDGF	<0.001	0.564	0.596	0.258	<0.001	22_pDC
ERCC1	<0.001	0.564	0.475	0.152	<0.001	22_pDC
CD4	<0.001	0.562	0.346	0.094	<0.001	22_pDC
NR3C1	<0.001	0.560	0.496	0.199	<0.001	22_pDC
GNA15	<0.001	0.559	0.370	0.087	<0.001	22_pDC
LAPTM4A	<0.001	0.558	0.729	0.349	<0.001	22_pDC
SSR3	<0.001	0.557	0.556	0.240	<0.001	22_pDC
HLA-DQA1	<0.001	0.557	0.541	0.157	<0.001	22_pDC
DUSP5	<0.001	0.557	0.279	0.035	<0.001	22_pDC
COBLL1	<0.001	0.557	0.264	0.029	<0.001	22_pDC
CHD9	<0.001	0.556	0.484	0.170	<0.001	22_pDC
LAIR1	<0.001	0.554	0.380	0.079	<0.001	22_pDC
P4HB	<0.001	0.551	0.696	0.346	<0.001	22_pDC
FABP5	<0.001	0.544	0.465	0.149	<0.001	22_pDC
SCAMP4	<0.001	0.544	0.362	0.085	<0.001	22_pDC
CANX	<0.001	0.540	0.629	0.286	<0.001	22_pDC
CCDC186	<0.001	0.537	0.349	0.095	<0.001	22_pDC
SNX3	<0.001	0.536	0.860	0.490	<0.001	22_pDC
THEMIS2	<0.001	0.534	0.457	0.160	<0.001	22_pDC
DNAJC4	<0.001	0.533	0.474	0.163	<0.001	22_pDC
SELL	<0.001	0.531	0.752	0.347	<0.001	22_pDC
PRKCB	<0.001	0.528	0.611	0.229	<0.001	22_pDC
SEC11C	<0.001	0.527	0.486	0.179	<0.001	22_pDC
CDKN2D	<0.001	0.527	0.582	0.224	<0.001	22_pDC
GPM6B	<0.001	0.527	0.271	0.038	<0.001	22_pDC
CXXC5	<0.001	0.526	0.413	0.128	<0.001	22_pDC
P2RY14	<0.001	0.524	0.263	0.008	<0.001	22_pDC
RUBCN	<0.001	0.523	0.265	0.047	<0.001	22_pDC
BID	<0.001	0.523	0.500	0.187	<0.001	22_pDC
XBP1	<0.001	0.523	0.634	0.302	<0.001	22_pDC

CYTH4	<0.001	0.522	0.406	0.109	<0.001	22_pDC
SPNS3	<0.001	0.521	0.344	0.051	<0.001	22_pDC
CCDC189	<0.001	0.520	0.283	0.027	<0.001	22_pDC
TMEM109	<0.001	0.519	0.438	0.143	<0.001	22_pDC
DCK	<0.001	0.519	0.471	0.187	<0.001	22_pDC
SAMHD1	<0.001	0.517	0.552	0.221	<0.001	22_pDC
RPN2	<0.001	0.516	0.524	0.237	<0.001	22_pDC
MIF4GD	<0.001	0.515	0.388	0.116	<0.001	22_pDC
COPE	<0.001	0.515	0.756	0.437	<0.001	22_pDC
CTSC	<0.001	0.514	0.532	0.222	<0.001	22_pDC
ST6GALNAC4	<0.001	0.512	0.320	0.069	<0.001	22_pDC
Z93241.1	<0.001	0.509	0.273	0.080	<0.001	22_pDC
ZDHHC17	<0.001	0.508	0.293	0.042	<0.001	22_pDC
SELENOF	<0.001	0.508	0.716	0.392	<0.001	22_pDC
MANF	<0.001	0.506	0.422	0.152	<0.001	22_pDC
RNF130	<0.001	0.501	0.581	0.212	<0.001	22_pDC
SLC25A5	<0.001	0.510	0.734	0.437	<0.001	22_pDC
GNAS	<0.001	0.526	0.693	0.392	<0.001	22_pDC
HMGN2	<0.001	0.569	0.876	0.652	<0.001	22_pDC
TUBB	<0.001	0.526	0.556	0.317	<0.001	22_pDC
DNTT	<0.001	3.568	0.963	0.012	<0.001	23_CLP.1
IGLL1	<0.001	2.930	0.923	0.060	<0.001	23_CLP.1
VPREB1	<0.001	2.863	0.956	0.027	<0.001	23_CLP.1
VPREB3	<0.001	2.705	0.951	0.073	<0.001	23_CLP.1
CD9	<0.001	2.233	0.737	0.049	<0.001	23_CLP.1
CD79B	<0.001	2.057	0.960	0.153	<0.001	23_CLP.1
STMN1	<0.001	1.725	0.710	0.224	<0.001	23_CLP.1
SOX4	<0.001	1.687	0.867	0.151	<0.001	23_CLP.1
AKAP12	<0.001	1.652	0.605	0.009	<0.001	23_CLP.1
SOCS2	<0.001	1.613	0.680	0.057	<0.001	23_CLP.1
MZB1	<0.001	1.468	0.799	0.087	<0.001	23_CLP.1
TCF4	<0.001	1.429	0.716	0.104	<0.001	23_CLP.1
CD24	<0.001	1.383	0.600	0.060	<0.001	23_CLP.1
ARPP21	<0.001	1.376	0.478	0.011	<0.001	23_CLP.1
RCSD1	<0.001	1.361	0.840	0.237	<0.001	23_CLP.1
HMGB1	<0.001	1.352	0.951	0.770	<0.001	23_CLP.1
SMIM3	<0.001	1.299	0.519	0.043	<0.001	23_CLP.1
MT1X	<0.001	1.246	0.457	0.148	<0.001	23_CLP.1
MLXIP	<0.001	1.243	0.584	0.121	<0.001	23_CLP.1
UHRF1	<0.001	1.234	0.429	0.066	<0.001	23_CLP.1
TOP2B	<0.001	1.228	0.621	0.124	<0.001	23_CLP.1
LAPTM5	<0.001	1.221	0.971	0.698	<0.001	23_CLP.1
LCN6	<0.001	1.218	0.467	0.001	<0.001	23_CLP.1

BCL11A	<0.001	1.207	0.619	0.136	<0.001	23_CLP.1
SSBP2	<0.001	1.204	0.585	0.082	<0.001	23_CLP.1
EBF1	<0.001	1.194	0.533	0.027	<0.001	23_CLP.1
HPS4	<0.001	1.190	0.560	0.112	<0.001	23_CLP.1
MME	<0.001	1.180	0.485	0.016	<0.001	23_CLP.1
LAT2	<0.001	1.168	0.647	0.131	<0.001	23_CLP.1
HLA-DRA	<0.001	1.150	0.996	0.460	<0.001	23_CLP.1
ZCCHC7	<0.001	1.145	0.600	0.128	<0.001	23_CLP.1
CMTM7	<0.001	1.138	0.673	0.153	<0.001	23_CLP.1
CD79A	<0.001	1.123	0.818	0.134	<0.001	23_CLP.1
VDAC1	<0.001	1.119	0.707	0.278	<0.001	23_CLP.1
HMGB2	<0.001	1.117	0.868	0.592	<0.001	23_CLP.1
LINC01013	<0.001	1.100	0.385	0.003	<0.001	23_CLP.1
CMTM8	<0.001	1.083	0.413	0.028	<0.001	23_CLP.1
FHIT	<0.001	1.082	0.528	0.096	<0.001	23_CLP.1
HMHB1	<0.001	1.074	0.350	0.003	<0.001	23_CLP.1
CD74	<0.001	1.063	0.995	0.641	<0.001	23_CLP.1
ADA	<0.001	1.038	0.540	0.092	<0.001	23_CLP.1
SIAH2	<0.001	1.034	0.554	0.159	<0.001	23_CLP.1
EGFL7	<0.001	1.030	0.465	0.058	<0.001	23_CLP.1
TYMS	<0.001	1.000	0.338	0.107	<0.001	23_CLP.1
XBP1	<0.001	0.996	0.701	0.301	<0.001	23_CLP.1
ZNF22	<0.001	0.994	0.580	0.159	<0.001	23_CLP.1
PRDX1	<0.001	0.992	0.655	0.339	<0.001	23_CLP.1
H2AFY	<0.001	0.990	0.724	0.373	<0.001	23_CLP.1
YBX3	<0.001	0.981	0.659	0.221	<0.001	23_CLP.1
CYGB	<0.001	0.948	0.377	0.004	<0.001	23_CLP.1
CD99	<0.001	0.931	0.842	0.473	<0.001	23_CLP.1
MDM4	<0.001	0.927	0.622	0.291	<0.001	23_CLP.1
PTMA	<0.001	0.920	0.999	0.976	<0.001	23_CLP.1
MEF2C	<0.001	0.918	0.609	0.186	<0.001	23_CLP.1
ESD	<0.001	0.915	0.687	0.284	<0.001	23_CLP.1
NEIL1	<0.001	0.897	0.301	0.042	<0.001	23_CLP.1
TMEM243	<0.001	0.885	0.607	0.198	<0.001	23_CLP.1
ACTG1	<0.001	0.884	0.937	0.745	<0.001	23_CLP.1
GNG7	<0.001	0.882	0.460	0.073	<0.001	23_CLP.1
SMC4	<0.001	0.880	0.456	0.132	<0.001	23_CLP.1
GLRX	<0.001	0.877	0.673	0.257	<0.001	23_CLP.1
HLA-DPB1	<0.001	0.866	0.931	0.427	<0.001	23_CLP.1
TKT	<0.001	0.855	0.800	0.380	<0.001	23_CLP.1
PCLAF	<0.001	0.852	0.389	0.130	<0.001	23_CLP.1
ERGIC1	<0.001	0.845	0.500	0.123	<0.001	23_CLP.1
LHPP	<0.001	0.838	0.294	0.067	<0.001	23_CLP.1

QRSL1	<0.001	0.837	0.414	0.072	<0.001	23_CLP.1
MPP1	<0.001	0.834	0.485	0.123	<0.001	23_CLP.1
SNX2	<0.001	0.831	0.598	0.222	<0.001	23_CLP.1
MSI2	<0.001	0.827	0.513	0.135	<0.001	23_CLP.1
PARP1	<0.001	0.820	0.563	0.209	<0.001	23_CLP.1
NASP	<0.001	0.817	0.510	0.206	<0.001	23_CLP.1
FAM30A	<0.001	0.806	0.424	0.072	<0.001	23_CLP.1
ATP1B3	<0.001	0.805	0.600	0.247	<0.001	23_CLP.1
MYL6B	<0.001	0.790	0.452	0.098	<0.001	23_CLP.1
HNRNPA1	<0.001	0.785	0.962	0.840	<0.001	23_CLP.1
MYB	<0.001	0.781	0.369	0.073	<0.001	23_CLP.1
GNG11	<0.001	0.770	0.337	0.020	<0.001	23_CLP.1
TP53INP1	<0.001	0.764	0.295	0.039	<0.001	23_CLP.1
CALHM6	<0.001	0.763	0.379	0.074	<0.001	23_CLP.1
NUSAP1	<0.001	0.762	0.283	0.079	<0.001	23_CLP.1
ITM2C	<0.001	0.762	0.514	0.125	<0.001	23_CLP.1
GABPB1-AS1	<0.001	0.761	0.450	0.187	<0.001	23_CLP.1
UBE2J1	<0.001	0.758	0.512	0.213	<0.001	23_CLP.1
MTF2	<0.001	0.756	0.469	0.150	<0.001	23_CLP.1
LSM7	<0.001	0.744	0.771	0.459	<0.001	23_CLP.1
RNASEH2B	<0.001	0.744	0.556	0.234	<0.001	23_CLP.1
HLA-DMA	<0.001	0.743	0.682	0.281	<0.001	23_CLP.1
CDCA7L	<0.001	0.741	0.404	0.086	<0.001	23_CLP.1
TLE4	<0.001	0.733	0.586	0.241	<0.001	23_CLP.1
ATP5F1C	<0.001	0.725	0.711	0.367	<0.001	23_CLP.1
HMGN1	<0.001	0.723	0.796	0.570	<0.001	23_CLP.1
CARHSP1	<0.001	0.723	0.502	0.192	<0.001	23_CLP.1
SELENOF	<0.001	0.719	0.718	0.392	<0.001	23_CLP.1
GAPDH	<0.001	0.717	0.950	0.825	<0.001	23_CLP.1
SRSF3	<0.001	0.709	0.800	0.569	<0.001	23_CLP.1
MAD2L2	<0.001	0.702	0.438	0.146	<0.001	23_CLP.1
SLC25A5	<0.001	0.700	0.707	0.438	<0.001	23_CLP.1
YWHAQ	<0.001	0.700	0.672	0.363	<0.001	23_CLP.1
BLNK	<0.001	0.692	0.344	0.034	<0.001	23_CLP.1
LINC00426	<0.001	0.688	0.266	0.012	<0.001	23_CLP.1
ERG	<0.001	0.685	0.271	0.009	<0.001	23_CLP.1
PHACTR1	<0.001	0.677	0.351	0.115	<0.001	23_CLP.1
ARHGDIB	<0.001	0.677	0.935	0.748	<0.001	23_CLP.1
PAG1	<0.001	0.676	0.437	0.114	<0.001	23_CLP.1
SMARCA4	<0.001	0.673	0.423	0.128	<0.001	23_CLP.1
DCK	<0.001	0.673	0.493	0.187	<0.001	23_CLP.1
HIST1H1C	<0.001	0.672	0.528	0.202	<0.001	23_CLP.1
TMEM263	<0.001	0.666	0.333	0.058	<0.001	23_CLP.1

TIFA	<0.001	0.664	0.303	0.058	<0.001	23_CLP.1
SRP9	<0.001	0.661	0.633	0.362	<0.001	23_CLP.1
CDK6	<0.001	0.660	0.395	0.117	<0.001	23_CLP.1
DDAH2	<0.001	0.659	0.397	0.122	<0.001	23_CLP.1
POU2AF1	<0.001	0.654	0.342	0.038	<0.001	23_CLP.1
TRABD	<0.001	0.640	0.564	0.250	<0.001	23_CLP.1
CXCR4	<0.001	0.633	0.900	0.590	<0.001	23_CLP.1
BTF3	<0.001	0.630	0.965	0.834	<0.001	23_CLP.1
CCNI	<0.001	0.627	0.886	0.659	<0.001	23_CLP.1
SRP14	<0.001	0.622	0.934	0.755	<0.001	23_CLP.1
CCT8	<0.001	0.617	0.583	0.292	<0.001	23_CLP.1
GMFG	<0.001	0.615	0.915	0.698	<0.001	23_CLP.1
NAP1L1	<0.001	0.615	0.865	0.662	<0.001	23_CLP.1
S1PR4	<0.001	0.612	0.439	0.162	<0.001	23_CLP.1
SLC44A1	<0.001	0.612	0.321	0.069	<0.001	23_CLP.1
TSPAN14	<0.001	0.608	0.347	0.111	<0.001	23_CLP.1
CD38	<0.001	0.606	0.348	0.077	<0.001	23_CLP.1
PAIP2	<0.001	0.606	0.734	0.452	<0.001	23_CLP.1
ATP5PF	<0.001	0.602	0.713	0.420	<0.001	23_CLP.1
SEC63	<0.001	0.595	0.424	0.172	<0.001	23_CLP.1
TCF3	<0.001	0.591	0.304	0.076	<0.001	23_CLP.1
UBB	<0.001	0.588	0.926	0.761	<0.001	23_CLP.1
JUP	<0.001	0.582	0.295	0.032	<0.001	23_CLP.1
HNRNPK	<0.001	0.579	0.800	0.600	<0.001	23_CLP.1
H3F3A	<0.001	0.578	0.977	0.888	<0.001	23_CLP.1
FAM215B	<0.001	0.577	0.376	0.123	<0.001	23_CLP.1
SPTBN1	<0.001	0.573	0.308	0.074	<0.001	23_CLP.1
MKI67	<0.001	0.570	0.252	0.071	<0.001	23_CLP.1
SYNGR1	<0.001	0.564	0.443	0.140	<0.001	23_CLP.1
HHEX	<0.001	0.564	0.330	0.103	<0.001	23_CLP.1
HDAC2	<0.001	0.558	0.433	0.177	<0.001	23_CLP.1
NPM1	<0.001	0.558	0.923	0.770	<0.001	23_CLP.1
SUMO2	<0.001	0.555	0.828	0.655	<0.001	23_CLP.1
GADD45A	<0.001	0.551	0.295	0.094	<0.001	23_CLP.1
GBP4	<0.001	0.550	0.294	0.069	<0.001	23_CLP.1
HIST1H2BG	<0.001	0.549	0.255	0.068	<0.001	23_CLP.1
CBX5	<0.001	0.545	0.369	0.131	<0.001	23_CLP.1
PPP3CC	<0.001	0.541	0.310	0.100	<0.001	23_CLP.1
SYNE3	<0.001	0.541	0.276	0.053	<0.001	23_CLP.1
LEF1	<0.001	0.531	0.356	0.108	<0.001	23_CLP.1
PDE4B	<0.001	0.525	0.332	0.100	<0.001	23_CLP.1
CSRNP1	<0.001	0.519	0.345	0.113	<0.001	23_CLP.1
EIPR1	<0.001	0.514	0.279	0.080	<0.001	23_CLP.1

MND1	<0.001	0.503	0.256	0.047	<0.001	23_CLP.1
PHGDH	<0.001	0.500	0.260	0.044	<0.001	23_CLP.1
CDCA7	<0.001	0.500	0.272	0.057	<0.001	23_CLP.1
ERH	<0.001	0.603	0.691	0.450	<0.001	23_CLP.1
CHD9	<0.001	0.575	0.422	0.172	<0.001	23_CLP.1
RBBP4	<0.001	0.589	0.515	0.244	<0.001	23_CLP.1
HNRNPA3	<0.001	0.598	0.730	0.502	<0.001	23_CLP.1
PMAIP1	<0.001	0.519	0.453	0.184	<0.001	23_CLP.1
RCN2	<0.001	0.537	0.452	0.193	<0.001	23_CLP.1
PEBP1	<0.001	0.606	0.647	0.381	<0.001	23_CLP.1
PPIA	<0.001	0.608	0.842	0.725	<0.001	23_CLP.1
TAF7	<0.001	0.604	0.575	0.289	<0.001	23_CLP.1
WASF2	<0.001	0.615	0.531	0.258	<0.001	23_CLP.1
HNRNPM	<0.001	0.587	0.678	0.420	<0.001	23_CLP.1
MAP1LC3B	<0.001	0.630	0.605	0.320	<0.001	23_CLP.1
SLC25A3	<0.001	0.568	0.709	0.463	<0.001	23_CLP.1
ATP5F1B	<0.001	0.565	0.666	0.392	<0.001	23_CLP.1
DUT	<0.001	0.862	0.573	0.322	<0.001	23_CLP.1
HNRNPA0	<0.001	0.553	0.743	0.509	<0.001	23_CLP.1
C6orf48	<0.001	0.575	0.751	0.461	<0.001	23_CLP.1
RBMX	<0.001	0.595	0.623	0.363	<0.001	23_CLP.1
HMGN2	<0.001	1.028	0.776	0.654	<0.001	23_CLP.1
PPP1R14B	<0.001	0.697	0.295	0.103	<0.001	23_CLP.1
RAB11A	<0.001	0.516	0.522	0.256	<0.001	23_CLP.1
KHDRBS1	<0.001	0.570	0.570	0.308	<0.001	23_CLP.1
GDI2	<0.001	0.567	0.650	0.390	<0.001	23_CLP.1
TUBB	<0.001	1.206	0.554	0.318	<0.001	23_CLP.1
ANKRD10	<0.001	0.506	0.336	0.126	<0.001	23_CLP.1
MCM7	<0.001	0.598	0.340	0.130	<0.001	23_CLP.1
PNN	<0.001	0.591	0.604	0.325	<0.001	23_CLP.1
MIS18BP1	<0.001	0.534	0.409	0.175	<0.001	23_CLP.1
TRAM1	<0.001	0.578	0.591	0.318	<0.001	23_CLP.1
WASHC4	<0.001	0.518	0.281	0.095	<0.001	23_CLP.1
SNRPE	<0.001	0.550	0.647	0.391	<0.001	23_CLP.1
PTPRE	<0.001	0.502	0.411	0.166	<0.001	23_CLP.1
TSC22D4	<0.001	0.530	0.465	0.214	<0.001	23_CLP.1
PSMB8	<0.001	0.520	0.583	0.308	<0.001	23_CLP.1
HNRNPA2B1	<0.001	0.589	0.809	0.682	<0.001	23_CLP.1
PNISR	<0.001	0.606	0.810	0.552	<0.001	23_CLP.1
ACP1	<0.001	0.511	0.527	0.269	<0.001	23_CLP.1
SNHG7	<0.001	0.670	0.515	0.267	<0.001	23_CLP.1
UGP2	<0.001	0.512	0.477	0.226	<0.001	23_CLP.1
NUCB2	<0.001	0.511	0.516	0.252	<0.001	23_CLP.1

H2AFV	<0.001	0.604	0.594	0.358	<0.001	23_CLP.1
SYPL1	<0.001	0.511	0.443	0.205	<0.001	23_CLP.1
SEPTIN9	<0.001	0.517	0.543	0.276	<0.001	23_CLP.1
A1BG	<0.001	0.550	0.324	0.124	<0.001	23_CLP.1
HMGA1	<0.001	0.579	0.483	0.244	<0.001	23_CLP.1
USP1	<0.001	0.501	0.345	0.143	<0.001	23_CLP.1
COMT	<0.001	0.501	0.411	0.187	<0.001	23_CLP.1
ATP5F1A	<0.001	0.506	0.626	0.372	<0.001	23_CLP.1
HMGN3	<0.001	0.531	0.606	0.367	<0.001	23_CLP.1
HNRNPR	<0.001	0.539	0.529	0.297	<0.001	23_CLP.1
NUCKS1	<0.001	0.643	0.548	0.324	<0.001	23_CLP.1
LUC7L3	<0.001	0.594	0.545	0.301	<0.001	23_CLP.1
PCNA	<0.001	0.853	0.354	0.157	<0.001	23_CLP.1
COX7A2L	<0.001	0.505	0.659	0.406	<0.001	23_CLP.1
SRSF2	<0.001	0.549	0.654	0.458	<0.001	23_CLP.1
PLIN3	<0.001	0.524	0.289	0.115	<0.001	23_CLP.1
NR3C1	<0.001	0.534	0.421	0.201	<0.001	23_CLP.1
TCOF1	<0.001	0.516	0.380	0.171	<0.001	23_CLP.1
ACSS1	<0.001	0.506	0.277	0.108	<0.001	23_CLP.1
NDUFA5	<0.001	0.502	0.528	0.295	<0.001	23_CLP.1
H2AFZ	<0.001	0.929	0.612	0.440	<0.001	23_CLP.1
CCND3	<0.001	0.562	0.580	0.367	<0.001	23_CLP.1
DEK	<0.001	0.579	0.523	0.328	<0.001	23_CLP.1
RANBP1	<0.001	0.608	0.512	0.329	<0.001	23_CLP.1
BTG2	<0.001	0.511	0.470	0.260	<0.001	23_CLP.1
PTTG1	<0.001	0.550	0.280	0.121	<0.001	23_CLP.1
HIST1H4C	<0.001	1.083	0.387	0.208	<0.001	23_CLP.1
TUBA1B	<0.001	1.282	0.483	0.417	<0.001	23_CLP.1
IGLL1	<0.001	3.056	0.994	0.063	<0.001	24_CLP.2
STMN1	<0.001	2.719	0.999	0.224	<0.001	24_CLP.2
TUBA1B	<0.001	2.411	1.000	0.413	<0.001	24_CLP.2
TCL1A	<0.001	2.316	0.891	0.068	<0.001	24_CLP.2
TUBB	<0.001	2.292	0.993	0.315	<0.001	24_CLP.2
VPREB1	<0.001	2.240	0.941	0.031	<0.001	24_CLP.2
HIST1H4C	<0.001	2.190	0.888	0.205	<0.001	24_CLP.2
HMGB2	<0.001	2.027	0.999	0.592	<0.001	24_CLP.2
HMGN2	<0.001	1.982	0.999	0.652	<0.001	24_CLP.2
H2AFZ	<0.001	1.904	0.996	0.437	<0.001	24_CLP.2
HMGB1	<0.001	1.882	1.000	0.770	<0.001	24_CLP.2
PCLAF	<0.001	1.863	0.950	0.127	<0.001	24_CLP.2
TYMS	<0.001	1.804	0.909	0.103	<0.001	24_CLP.2
CD24	<0.001	1.783	0.942	0.059	<0.001	24_CLP.2
CD79B	<0.001	1.749	0.989	0.156	<0.001	24_CLP.2

NUSAP1	<0.001	1.737	0.817	0.075	<0.001	24_CLP.2
VPREB3	<0.001	1.727	0.968	0.077	<0.001	24_CLP.2
PCNA	<0.001	1.704	0.850	0.154	<0.001	24_CLP.2
IGHM	<0.001	1.685	0.994	0.152	<0.001	24_CLP.2
MKI67	<0.001	1.593	0.822	0.067	<0.001	24_CLP.2
TOP2A	<0.001	1.593	0.718	0.069	<0.001	24_CLP.2
UBE2C	<0.001	1.586	0.696	0.062	<0.001	24_CLP.2
PDLIM1	<0.001	1.530	0.923	0.103	<0.001	24_CLP.2
PTMA	<0.001	1.431	1.000	0.977	<0.001	24_CLP.2
VDAC1	<0.001	1.422	0.946	0.278	<0.001	24_CLP.2
SOX4	<0.001	1.409	0.946	0.153	<0.001	24_CLP.2
BIRC5	<0.001	1.378	0.794	0.077	<0.001	24_CLP.2
PTTG1	<0.001	1.368	0.794	0.117	<0.001	24_CLP.2
DUT	<0.001	1.366	0.894	0.320	<0.001	24_CLP.2
CENPF	<0.001	1.358	0.701	0.075	<0.001	24_CLP.2
SMC4	<0.001	1.355	0.861	0.130	<0.001	24_CLP.2
SLC25A5	<0.001	1.324	0.984	0.437	<0.001	24_CLP.2
NUCKS1	<0.001	1.315	0.961	0.321	<0.001	24_CLP.2
MCM7	<0.001	1.311	0.806	0.127	<0.001	24_CLP.2
H2AFV	<0.001	1.285	0.973	0.355	<0.001	24_CLP.2
CD9	<0.001	1.277	0.764	0.051	<0.001	24_CLP.2
DEK	<0.001	1.265	0.934	0.325	<0.001	24_CLP.2
CARHSP1	<0.001	1.261	0.903	0.190	<0.001	24_CLP.2
NASP	<0.001	1.241	0.860	0.205	<0.001	24_CLP.2
HMGN1	<0.001	1.218	0.992	0.569	<0.001	24_CLP.2
UHRF1	<0.001	1.196	0.756	0.065	<0.001	24_CLP.2
H3F3A	<0.001	1.191	0.998	0.888	<0.001	24_CLP.2
UBB	<0.001	1.183	0.995	0.761	<0.001	24_CLP.2
CFAP73	<0.001	1.182	0.562	0.009	<0.001	24_CLP.2
MAD2L2	<0.001	1.181	0.869	0.143	<0.001	24_CLP.2
HMGB3	<0.001	1.177	0.804	0.109	<0.001	24_CLP.2
TUBB4B	<0.001	1.172	0.793	0.202	<0.001	24_CLP.2
ACTG1	<0.001	1.168	0.994	0.745	<0.001	24_CLP.2
HMGA1	<0.001	1.158	0.877	0.241	<0.001	24_CLP.2
AURKB	<0.001	1.156	0.655	0.045	<0.001	24_CLP.2
CD79A	<0.001	1.148	0.960	0.135	<0.001	24_CLP.2
PARP1	<0.001	1.142	0.876	0.208	<0.001	24_CLP.2
CKS1B	<0.001	1.141	0.783	0.128	<0.001	24_CLP.2
CMTM8	<0.001	1.136	0.666	0.027	<0.001	24_CLP.2
CKS2	<0.001	1.131	0.802	0.121	<0.001	24_CLP.2
H2AFY	<0.001	1.128	0.949	0.373	<0.001	24_CLP.2
MAD2L1	<0.001	1.122	0.796	0.100	<0.001	24_CLP.2
RANBP1	<0.001	1.120	0.876	0.327	<0.001	24_CLP.2

RGS2	<0.001	1.109	0.903	0.291	<0.001	24_CLP.2
IDH2	<0.001	1.103	0.866	0.225	<0.001	24_CLP.2
FABP5	<0.001	1.097	0.756	0.149	<0.001	24_CLP.2
ZWINT	<0.001	1.092	0.765	0.078	<0.001	24_CLP.2
USP1	<0.001	1.089	0.815	0.140	<0.001	24_CLP.2
HNRNPA2B1	<0.001	1.082	0.991	0.681	<0.001	24_CLP.2
EIF4A3	<0.001	1.072	0.786	0.141	<0.001	24_CLP.2
SRSF3	<0.001	1.061	0.981	0.568	<0.001	24_CLP.2
YWHAQ	<0.001	1.057	0.933	0.362	<0.001	24_CLP.2
IRF4	<0.001	1.054	0.626	0.034	<0.001	24_CLP.2
RRM2	<0.001	1.053	0.639	0.060	<0.001	24_CLP.2
RNASEH2B	<0.001	1.047	0.880	0.233	<0.001	24_CLP.2
RCSD1	<0.001	1.044	0.928	0.239	<0.001	24_CLP.2
PRDX1	<0.001	1.027	0.921	0.338	<0.001	24_CLP.2
MARCKSL1	<0.001	1.012	0.826	0.189	<0.001	24_CLP.2
SRP9	<0.001	1.010	0.937	0.361	<0.001	24_CLP.2
CENPU	<0.001	1.008	0.702	0.086	<0.001	24_CLP.2
CCND3	<0.001	0.992	0.893	0.366	<0.001	24_CLP.2
RAN	<0.001	0.990	0.935	0.418	<0.001	24_CLP.2
PPP1CA	<0.001	0.990	0.974	0.445	<0.001	24_CLP.2
ANP32B	<0.001	0.983	0.965	0.477	<0.001	24_CLP.2
ANP32E	<0.001	0.972	0.829	0.214	<0.001	24_CLP.2
FAM111B	<0.001	0.970	0.589	0.014	<0.001	24_CLP.2
DNAJC9	<0.001	0.968	0.762	0.139	<0.001	24_CLP.2
SSBP2	<0.001	0.962	0.744	0.083	<0.001	24_CLP.2
NAP1L1	<0.001	0.962	0.992	0.662	<0.001	24_CLP.2
TK1	<0.001	0.961	0.622	0.074	<0.001	24_CLP.2
TMPO	<0.001	0.952	0.809	0.163	<0.001	24_CLP.2
PKM	<0.001	0.951	0.905	0.350	<0.001	24_CLP.2
PPIA	<0.001	0.950	0.992	0.724	<0.001	24_CLP.2
HNRNPA1	<0.001	0.949	0.995	0.840	<0.001	24_CLP.2
HSP90AA1	<0.001	0.924	0.976	0.633	<0.001	24_CLP.2
LMNB1	<0.001	0.916	0.731	0.107	<0.001	24_CLP.2
SLBP	<0.001	0.916	0.721	0.183	<0.001	24_CLP.2
RAD21	<0.001	0.915	0.820	0.236	<0.001	24_CLP.2
HNRNPA3	<0.001	0.911	0.968	0.501	<0.001	24_CLP.2
ERH	<0.001	0.910	0.952	0.449	<0.001	24_CLP.2
CD72	<0.001	0.907	0.687	0.034	<0.001	24_CLP.2
CCNB2	<0.001	0.905	0.533	0.066	<0.001	24_CLP.2
H2AFX	<0.001	0.902	0.664	0.091	<0.001	24_CLP.2
BUB3	<0.001	0.900	0.827	0.256	<0.001	24_CLP.2
BCL7A	<0.001	0.896	0.757	0.092	<0.001	24_CLP.2
SMC2	<0.001	0.889	0.696	0.096	<0.001	24_CLP.2

SIVA1	<0.001	0.885	0.862	0.328	<0.001	24_CLP.2
CENPM	<0.001	0.882	0.662	0.077	<0.001	24_CLP.2
SRSF2	<0.001	0.878	0.937	0.456	<0.001	24_CLP.2
HMGN3	<0.001	0.875	0.924	0.366	<0.001	24_CLP.2
RBMX	<0.001	0.874	0.917	0.362	<0.001	24_CLP.2
DDX39A	<0.001	0.873	0.789	0.187	<0.001	24_CLP.2
CXCR4	<0.001	0.867	0.984	0.591	<0.001	24_CLP.2
LAT2	<0.001	0.859	0.770	0.132	<0.001	24_CLP.2
RPA3	<0.001	0.858	0.785	0.197	<0.001	24_CLP.2
MIS18BP1	<0.001	0.852	0.770	0.173	<0.001	24_CLP.2
RAD51AP1	<0.001	0.851	0.635	0.061	<0.001	24_CLP.2
MCM3	<0.001	0.845	0.640	0.105	<0.001	24_CLP.2
CALM2	<0.001	0.844	0.976	0.664	<0.001	24_CLP.2
CDT1	<0.001	0.841	0.653	0.074	<0.001	24_CLP.2
ASF1B	<0.001	0.831	0.584	0.048	<0.001	24_CLP.2
TFDP2	<0.001	0.830	0.722	0.142	<0.001	24_CLP.2
EZH2	<0.001	0.829	0.658	0.079	<0.001	24_CLP.2
CDCA7	<0.001	0.825	0.594	0.055	<0.001	24_CLP.2
DHFR	<0.001	0.824	0.642	0.088	<0.001	24_CLP.2
NONO	<0.001	0.822	0.865	0.269	<0.001	24_CLP.2
SPIB	<0.001	0.820	0.606	0.048	<0.001	24_CLP.2
RBBP7	<0.001	0.814	0.793	0.214	<0.001	24_CLP.2
FAM129C	<0.001	0.810	0.674	0.054	<0.001	24_CLP.2
CDC20	<0.001	0.809	0.439	0.053	<0.001	24_CLP.2
MSI2	<0.001	0.809	0.747	0.135	<0.001	24_CLP.2
CD38	<0.001	0.808	0.690	0.075	<0.001	24_CLP.2
HELLS	<0.001	0.808	0.593	0.071	<0.001	24_CLP.2
CMTM7	<0.001	0.807	0.782	0.154	<0.001	24_CLP.2
GINS2	<0.001	0.806	0.543	0.065	<0.001	24_CLP.2
HNRNPAB	<0.001	0.806	0.743	0.174	<0.001	24_CLP.2
CLSPN	<0.001	0.805	0.590	0.056	<0.001	24_CLP.2
NCL	<0.001	0.804	0.904	0.458	<0.001	24_CLP.2
HNRNPR	<0.001	0.803	0.849	0.295	<0.001	24_CLP.2
CENPW	<0.001	0.801	0.679	0.097	<0.001	24_CLP.2
DDAH2	<0.001	0.801	0.691	0.121	<0.001	24_CLP.2
SNRPD1	<0.001	0.800	0.884	0.360	<0.001	24_CLP.2
SSRP1	<0.001	0.798	0.729	0.166	<0.001	24_CLP.2
CENPH	<0.001	0.794	0.677	0.101	<0.001	24_CLP.2
KHDRBS1	<0.001	0.793	0.869	0.307	<0.001	24_CLP.2
HSPD1	<0.001	0.790	0.649	0.235	<0.001	24_CLP.2
TPX2	<0.001	0.787	0.521	0.056	<0.001	24_CLP.2
GLO1	<0.001	0.786	0.777	0.184	<0.001	24_CLP.2
PSIP1	<0.001	0.781	0.821	0.266	<0.001	24_CLP.2

HMMR	<0.001	0.780	0.417	0.047	<0.001	24_CLP.2
MME	<0.001	0.780	0.607	0.017	<0.001	24_CLP.2
AFF3	<0.001	0.778	0.631	0.049	<0.001	24_CLP.2
HNRNPA0	<0.001	0.774	0.956	0.508	<0.001	24_CLP.2
SUMO2	<0.001	0.773	0.983	0.654	<0.001	24_CLP.2
PHGDH	<0.001	0.773	0.593	0.042	<0.001	24_CLP.2
RRM1	<0.001	0.773	0.607	0.086	<0.001	24_CLP.2
EAF2	<0.001	0.772	0.667	0.092	<0.001	24_CLP.2
SERBP1	<0.001	0.770	0.892	0.403	<0.001	24_CLP.2
ODC1	<0.001	0.768	0.802	0.266	<0.001	24_CLP.2
IGLC5	<0.001	0.767	0.451	0.008	<0.001	24_CLP.2
TCF3	<0.001	0.765	0.646	0.074	<0.001	24_CLP.2
POU2AF1	<0.001	0.765	0.613	0.037	<0.001	24_CLP.2
GDI2	<0.001	0.765	0.908	0.389	<0.001	24_CLP.2
SMARCB1	<0.001	0.761	0.781	0.190	<0.001	24_CLP.2
LDHA	<0.001	0.761	0.882	0.463	<0.001	24_CLP.2
GMNN	<0.001	0.760	0.627	0.083	<0.001	24_CLP.2
AKR1B1	<0.001	0.760	0.668	0.144	<0.001	24_CLP.2
SNRPB	<0.001	0.757	0.917	0.436	<0.001	24_CLP.2
SRSF10	<0.001	0.754	0.839	0.289	<0.001	24_CLP.2
AC084033.3	<0.001	0.753	0.732	0.132	<0.001	24_CLP.2
PHACTR1	<0.001	0.752	0.645	0.113	<0.001	24_CLP.2
YWHAE	<0.001	0.752	0.848	0.284	<0.001	24_CLP.2
ASPM	<0.001	0.752	0.417	0.042	<0.001	24_CLP.2
PSMA4	<0.001	0.752	0.907	0.394	<0.001	24_CLP.2
TIFA	<0.001	0.750	0.579	0.057	<0.001	24_CLP.2
SMC3	<0.001	0.749	0.719	0.189	<0.001	24_CLP.2
ILF2	<0.001	0.748	0.803	0.232	<0.001	24_CLP.2
ANP32A	<0.001	0.745	0.860	0.304	<0.001	24_CLP.2
HNRNPF	<0.001	0.745	0.817	0.331	<0.001	24_CLP.2
KPNA2	<0.001	0.744	0.585	0.105	<0.001	24_CLP.2
EBF1	<0.001	0.744	0.568	0.029	<0.001	24_CLP.2
ITGB3BP	<0.001	0.741	0.631	0.114	<0.001	24_CLP.2
DTYMK	<0.001	0.739	0.665	0.106	<0.001	24_CLP.2
CBX3	<0.001	0.739	0.880	0.337	<0.001	24_CLP.2
SNHG7	<0.001	0.737	0.777	0.266	<0.001	24_CLP.2
HNRNPM	<0.001	0.733	0.913	0.419	<0.001	24_CLP.2
CDKN3	<0.001	0.732	0.543	0.060	<0.001	24_CLP.2
RBBP4	<0.001	0.732	0.788	0.243	<0.001	24_CLP.2
NUCB2	<0.001	0.728	0.797	0.250	<0.001	24_CLP.2
SAE1	<0.001	0.721	0.639	0.104	<0.001	24_CLP.2
ARPP21	<0.001	0.719	0.503	0.013	<0.001	24_CLP.2
MYL6B	<0.001	0.718	0.647	0.098	<0.001	24_CLP.2

RALY	<0.001	0.716	0.845	0.293	<0.001	24_CLP.2
SNRPE	<0.001	0.716	0.880	0.390	<0.001	24_CLP.2
CCDC34	<0.001	0.714	0.557	0.073	<0.001	24_CLP.2
HADH	<0.001	0.713	0.624	0.101	<0.001	24_CLP.2
CTNNBL1	<0.001	0.712	0.633	0.133	<0.001	24_CLP.2
HIST1H1E	<0.001	0.707	0.562	0.132	<0.001	24_CLP.2
HSPB11	<0.001	0.705	0.710	0.187	<0.001	24_CLP.2
SLC25A3	<0.001	0.705	0.909	0.463	<0.001	24_CLP.2
TCF4	<0.001	0.703	0.690	0.106	<0.001	24_CLP.2
NPM1	<0.001	0.702	0.986	0.770	<0.001	24_CLP.2
CCT8	<0.001	0.702	0.813	0.291	<0.001	24_CLP.2
CDK1	<0.001	0.702	0.527	0.059	<0.001	24_CLP.2
CFL1	<0.001	0.698	0.995	0.836	<0.001	24_CLP.2
ORC6	<0.001	0.698	0.565	0.060	<0.001	24_CLP.2
TACC3	<0.001	0.697	0.580	0.103	<0.001	24_CLP.2
SMC1A	<0.001	0.697	0.628	0.130	<0.001	24_CLP.2
SAC3D1	<0.001	0.695	0.535	0.059	<0.001	24_CLP.2
CENPN	<0.001	0.691	0.581	0.071	<0.001	24_CLP.2
HIST1H1D	<0.001	0.690	0.527	0.097	<0.001	24_CLP.2
STRBP	<0.001	0.689	0.606	0.079	<0.001	24_CLP.2
ATP5MC3	<0.001	0.687	0.901	0.443	<0.001	24_CLP.2
HAUS1	<0.001	0.686	0.665	0.125	<0.001	24_CLP.2
SMIM14	<0.001	0.685	0.618	0.095	<0.001	24_CLP.2
ATP5F1C	<0.001	0.684	0.892	0.367	<0.001	24_CLP.2
CBX5	<0.001	0.682	0.654	0.129	<0.001	24_CLP.2
CDCA7L	<0.001	0.680	0.602	0.085	<0.001	24_CLP.2
ATP5F1B	<0.001	0.679	0.873	0.391	<0.001	24_CLP.2
LSM5	<0.001	0.679	0.878	0.353	<0.001	24_CLP.2
MCM5	<0.001	0.677	0.575	0.115	<0.001	24_CLP.2
ITGAE	<0.001	0.676	0.717	0.164	<0.001	24_CLP.2
SMARCA4	<0.001	0.675	0.668	0.127	<0.001	24_CLP.2
UBE2I	<0.001	0.673	0.865	0.353	<0.001	24_CLP.2
PEBP1	<0.001	0.672	0.779	0.381	<0.001	24_CLP.2
NDUFA4	<0.001	0.667	0.971	0.644	<0.001	24_CLP.2
LDLRAD4	<0.001	0.665	0.592	0.059	<0.001	24_CLP.2
KIF22	<0.001	0.663	0.621	0.133	<0.001	24_CLP.2
PPM1G	<0.001	0.663	0.732	0.221	<0.001	24_CLP.2
CDCA5	<0.001	0.662	0.517	0.043	<0.001	24_CLP.2
PA2G4	<0.001	0.661	0.809	0.338	<0.001	24_CLP.2
COX5A	<0.001	0.661	0.876	0.377	<0.001	24_CLP.2
CHCHD2	<0.001	0.657	0.980	0.679	<0.001	24_CLP.2
TMEM243	<0.001	0.655	0.801	0.198	<0.001	24_CLP.2
CDCA8	<0.001	0.652	0.446	0.036	<0.001	24_CLP.2

LDHB	<0.001	0.652	0.922	0.524	<0.001	24_CLP.2
CCT2	<0.001	0.651	0.703	0.211	<0.001	24_CLP.2
FEN1	<0.001	0.650	0.542	0.082	<0.001	24_CLP.2
UBE2E3	<0.001	0.649	0.753	0.192	<0.001	24_CLP.2
RTRAF	<0.001	0.648	0.905	0.421	<0.001	24_CLP.2
MED30	<0.001	0.647	0.762	0.203	<0.001	24_CLP.2
CD19	<0.001	0.646	0.556	0.030	<0.001	24_CLP.2
AKAP12	<0.001	0.646	0.444	0.013	<0.001	24_CLP.2
DBI	<0.001	0.645	0.915	0.424	<0.001	24_CLP.2
HNRNPK	<0.001	0.644	0.958	0.600	<0.001	24_CLP.2
SET	<0.001	0.643	0.862	0.437	<0.001	24_CLP.2
NREP	<0.001	0.642	0.573	0.070	<0.001	24_CLP.2
C16orf74	<0.001	0.640	0.535	0.052	<0.001	24_CLP.2
DNMT1	<0.001	0.640	0.636	0.160	<0.001	24_CLP.2
QRSL1	<0.001	0.639	0.544	0.072	<0.001	24_CLP.2
FAIM	<0.001	0.638	0.519	0.035	<0.001	24_CLP.2
PCDH9	<0.001	0.636	0.501	0.033	<0.001	24_CLP.2
ERGIC1	<0.001	0.634	0.655	0.123	<0.001	24_CLP.2
UBE2T	<0.001	0.634	0.529	0.068	<0.001	24_CLP.2
CALM3	<0.001	0.633	0.859	0.368	<0.001	24_CLP.2
CCDC167	<0.001	0.633	0.684	0.139	<0.001	24_CLP.2
LSM3	<0.001	0.632	0.873	0.351	<0.001	24_CLP.2
SNRPF	<0.001	0.632	0.878	0.397	<0.001	24_CLP.2
FUS	<0.001	0.632	0.938	0.566	<0.001	24_CLP.2
MXD3	<0.001	0.632	0.413	0.042	<0.001	24_CLP.2
ATP5PF	<0.001	0.630	0.897	0.420	<0.001	24_CLP.2
SKA2	<0.001	0.629	0.611	0.116	<0.001	24_CLP.2
RUBCNL	<0.001	0.628	0.455	0.036	<0.001	24_CLP.2
MZB1	<0.001	0.628	0.764	0.090	<0.001	24_CLP.2
YEATS4	<0.001	0.628	0.622	0.128	<0.001	24_CLP.2
MIR181A1HG	<0.001	0.623	0.491	0.048	<0.001	24_CLP.2
SNRPG	<0.001	0.620	0.872	0.394	<0.001	24_CLP.2
EZR	<0.001	0.619	0.833	0.295	<0.001	24_CLP.2
MDH1	<0.001	0.619	0.712	0.211	<0.001	24_CLP.2
GAPDH	<0.001	0.617	0.986	0.825	<0.001	24_CLP.2
SPC25	<0.001	0.615	0.440	0.034	<0.001	24_CLP.2
BACH2	<0.001	0.614	0.492	0.050	<0.001	24_CLP.2
TRABD	<0.001	0.614	0.790	0.249	<0.001	24_CLP.2
SMS	<0.001	0.613	0.724	0.215	<0.001	24_CLP.2
HDAC2	<0.001	0.613	0.678	0.176	<0.001	24_CLP.2
HNRNPD	<0.001	0.612	0.791	0.292	<0.001	24_CLP.2
PXMP2	<0.001	0.612	0.526	0.072	<0.001	24_CLP.2
UGP2	<0.001	0.611	0.759	0.224	<0.001	24_CLP.2

CKAP2	<0.001	0.609	0.556	0.101	<0.001	24_CLP.2
NUF2	<0.001	0.609	0.445	0.045	<0.001	24_CLP.2
VRK1	<0.001	0.609	0.622	0.123	<0.001	24_CLP.2
MRPL51	<0.001	0.609	0.737	0.234	<0.001	24_CLP.2
TCP1	<0.001	0.607	0.706	0.206	<0.001	24_CLP.2
HPRT1	<0.001	0.606	0.674	0.181	<0.001	24_CLP.2
ATP5F1A	<0.001	0.605	0.833	0.371	<0.001	24_CLP.2
HSPA8	<0.001	0.605	0.908	0.486	<0.001	24_CLP.2
POLR2G	<0.001	0.605	0.763	0.248	<0.001	24_CLP.2
TOP2B	<0.001	0.603	0.630	0.126	<0.001	24_CLP.2
ESD	<0.001	0.603	0.811	0.285	<0.001	24_CLP.2
TUBA1A	<0.001	0.602	0.847	0.372	<0.001	24_CLP.2
CBX1	<0.001	0.602	0.583	0.098	<0.001	24_CLP.2
CDC25B	<0.001	0.599	0.536	0.114	<0.001	24_CLP.2
E2F1	<0.001	0.598	0.432	0.033	<0.001	24_CLP.2
BANF1	<0.001	0.598	0.778	0.278	<0.001	24_CLP.2
NUDT1	<0.001	0.597	0.708	0.186	<0.001	24_CLP.2
HNRNPC	<0.001	0.596	0.956	0.592	<0.001	24_CLP.2
GGH	<0.001	0.595	0.539	0.078	<0.001	24_CLP.2
NME1	<0.001	0.594	0.516	0.182	<0.001	24_CLP.2
CXXC5	<0.001	0.593	0.634	0.127	<0.001	24_CLP.2
PAIP2	<0.001	0.592	0.912	0.452	<0.001	24_CLP.2
XRCC5	<0.001	0.591	0.772	0.297	<0.001	24_CLP.2
PAX5	<0.001	0.590	0.501	0.024	<0.001	24_CLP.2
WASF1	<0.001	0.589	0.426	0.022	<0.001	24_CLP.2
MYBL2	<0.001	0.587	0.514	0.055	<0.001	24_CLP.2
ANAPC11	<0.001	0.586	0.809	0.318	<0.001	24_CLP.2
GNG7	<0.001	0.584	0.569	0.073	<0.001	24_CLP.2
E2F2	<0.001	0.584	0.431	0.020	<0.001	24_CLP.2
CRNDE	<0.001	0.583	0.397	0.019	<0.001	24_CLP.2
MYB	<0.001	0.581	0.498	0.074	<0.001	24_CLP.2
C19orf48	<0.001	0.580	0.592	0.124	<0.001	24_CLP.2
MZT1	<0.001	0.579	0.620	0.144	<0.001	24_CLP.2
SPTBN1	<0.001	0.577	0.513	0.073	<0.001	24_CLP.2
AEBP1	<0.001	0.574	0.473	0.019	<0.001	24_CLP.2
TMEM263	<0.001	0.574	0.485	0.058	<0.001	24_CLP.2
ITM2C	<0.001	0.572	0.686	0.125	<0.001	24_CLP.2
RFC5	<0.001	0.572	0.475	0.057	<0.001	24_CLP.2
YBX1	<0.001	0.572	0.993	0.784	<0.001	24_CLP.2
CCNA2	<0.001	0.568	0.468	0.057	<0.001	24_CLP.2
NSMCE1	<0.001	0.565	0.660	0.192	<0.001	24_CLP.2
NDUFB4	<0.001	0.565	0.852	0.376	<0.001	24_CLP.2
PSMB2	<0.001	0.564	0.734	0.244	<0.001	24_CLP.2

PRKDC	<0.001	0.564	0.596	0.149	<0.001	24_CLP.2
MPC2	<0.001	0.563	0.782	0.233	<0.001	24_CLP.2
SGO1	<0.001	0.561	0.435	0.040	<0.001	24_CLP.2
S1PR4	<0.001	0.560	0.647	0.162	<0.001	24_CLP.2
GTSE1	<0.001	0.559	0.400	0.031	<0.001	24_CLP.2
ARL6IP6	<0.001	0.559	0.565	0.127	<0.001	24_CLP.2
TPGS2	<0.001	0.559	0.651	0.140	<0.001	24_CLP.2
PLD4	<0.001	0.559	0.530	0.065	<0.001	24_CLP.2
KPNB1	<0.001	0.558	0.693	0.212	<0.001	24_CLP.2
C12orf57	<0.001	0.556	0.927	0.461	<0.001	24_CLP.2
ERP29	<0.001	0.554	0.944	0.529	<0.001	24_CLP.2
COX6C	<0.001	0.551	0.962	0.644	<0.001	24_CLP.2
YWHAH	<0.001	0.550	0.736	0.215	<0.001	24_CLP.2
CCDC69	<0.001	0.550	0.712	0.202	<0.001	24_CLP.2
CACYBP	<0.001	0.550	0.731	0.243	<0.001	24_CLP.2
HLA-DRA	<0.001	0.549	0.997	0.463	<0.001	24_CLP.2
CDKN2C	<0.001	0.549	0.430	0.051	<0.001	24_CLP.2
SEM1	<0.001	0.547	0.806	0.324	<0.001	24_CLP.2
SNRPD3	<0.001	0.546	0.770	0.276	<0.001	24_CLP.2
PSMB7	<0.001	0.541	0.804	0.295	<0.001	24_CLP.2
PAICS	<0.001	0.540	0.464	0.112	<0.001	24_CLP.2
TMEM106C	<0.001	0.539	0.508	0.089	<0.001	24_CLP.2
MCM4	<0.001	0.539	0.471	0.072	<0.001	24_CLP.2
TPRKB	<0.001	0.538	0.687	0.193	<0.001	24_CLP.2
SFPQ	<0.001	0.537	0.857	0.380	<0.001	24_CLP.2
SUPT16H	<0.001	0.537	0.576	0.145	<0.001	24_CLP.2
RBM17	<0.001	0.536	0.762	0.255	<0.001	24_CLP.2
HIST2H2AC	<0.001	0.536	0.461	0.091	<0.001	24_CLP.2
UBA2	<0.001	0.534	0.634	0.183	<0.001	24_CLP.2
SNRNP25	<0.001	0.533	0.563	0.132	<0.001	24_CLP.2
ACP1	<0.001	0.531	0.762	0.268	<0.001	24_CLP.2
ZCCHC7	<0.001	0.530	0.624	0.130	<0.001	24_CLP.2
SRP14	<0.001	0.529	0.980	0.756	<0.001	24_CLP.2
FBXO5	<0.001	0.527	0.389	0.045	<0.001	24_CLP.2
RGS19	<0.001	0.527	0.634	0.156	<0.001	24_CLP.2
FDPS	<0.001	0.524	0.674	0.197	<0.001	24_CLP.2
PLK1	<0.001	0.521	0.283	0.030	<0.001	24_CLP.2
SPC24	<0.001	0.520	0.389	0.044	<0.001	24_CLP.2
LIG1	<0.001	0.520	0.456	0.067	<0.001	24_CLP.2
PIN1	<0.001	0.519	0.761	0.249	<0.001	24_CLP.2
GGCT	<0.001	0.519	0.547	0.138	<0.001	24_CLP.2
DCK	<0.001	0.518	0.654	0.187	<0.001	24_CLP.2
COPS3	<0.001	0.517	0.635	0.165	<0.001	24_CLP.2

RNASEH2C	<0.001	0.516	0.745	0.250	<0.001	24_CLP.2
HMCES	<0.001	0.515	0.494	0.076	<0.001	24_CLP.2
PSMB8	<0.001	0.515	0.816	0.308	<0.001	24_CLP.2
TXNDC12	<0.001	0.515	0.609	0.159	<0.001	24_CLP.2
LSM4	<0.001	0.514	0.749	0.293	<0.001	24_CLP.2
DLGAP5	<0.001	0.512	0.350	0.049	<0.001	24_CLP.2
ACTB	<0.001	0.512	0.999	0.982	<0.001	24_CLP.2
PSMA2	<0.001	0.511	0.783	0.297	<0.001	24_CLP.2
MRPS6	<0.001	0.511	0.678	0.201	<0.001	24_CLP.2
FCRLA	<0.001	0.511	0.411	0.042	<0.001	24_CLP.2
CHAF1A	<0.001	0.511	0.450	0.066	<0.001	24_CLP.2
ATAD2	<0.001	0.511	0.473	0.075	<0.001	24_CLP.2
HIST1H2BG	<0.001	0.511	0.337	0.068	<0.001	24_CLP.2
SPCS2	<0.001	0.510	0.843	0.362	<0.001	24_CLP.2
MTPN	<0.001	0.509	0.772	0.274	<0.001	24_CLP.2
COX8A	<0.001	0.508	0.940	0.558	<0.001	24_CLP.2
PPP1CC	<0.001	0.508	0.811	0.318	<0.001	24_CLP.2
ACADM	<0.001	0.507	0.572	0.128	<0.001	24_CLP.2
TOP1	<0.001	0.506	0.643	0.184	<0.001	24_CLP.2
CCT7	<0.001	0.505	0.674	0.228	<0.001	24_CLP.2
SEPTIN6	<0.001	0.504	0.794	0.286	<0.001	24_CLP.2
NOP56	<0.001	0.504	0.612	0.198	<0.001	24_CLP.2
SRSF9	<0.001	0.503	0.793	0.318	<0.001	24_CLP.2
CCT5	<0.001	0.503	0.618	0.189	<0.001	24_CLP.2
CSNK2B	<0.001	0.502	0.802	0.321	<0.001	24_CLP.2
CCNB1	<0.001	0.502	0.326	0.056	<0.001	24_CLP.2
C12orf75	<0.001	0.501	0.794	0.212	<0.001	24_CLP.2
MID1IP1	<0.001	0.501	0.544	0.110	<0.001	24_CLP.2
EIF4G2	<0.001	0.500	0.900	0.450	<0.001	24_CLP.2
CCNI	<0.001	0.600	0.972	0.659	<0.001	24_CLP.2
MZT2B	<0.001	0.510	0.889	0.464	<0.001	24_CLP.2
EIF3L	<0.001	0.514	0.926	0.531	<0.001	24_CLP.2
ARL6IP1	<0.001	0.688	0.680	0.292	<0.001	24_CLP.2
ENO1	<0.001	0.638	0.813	0.471	<0.001	24_CLP.2
HNRNPH1	<0.001	0.547	0.833	0.418	<0.001	24_CLP.2
APOC1	<0.001	1.368	0.637	0.056	<0.001	25_MEP
AC084033.3	<0.001	1.329	0.794	0.132	<0.001	25_MEP
PRSS57	<0.001	1.142	0.732	0.059	<0.001	25_MEP
HMGA1	<0.001	1.058	0.843	0.242	<0.001	25_MEP
HSP90AB1	<0.001	1.042	0.966	0.533	<0.001	25_MEP
CYTL1	<0.001	0.982	0.699	0.051	<0.001	25_MEP
TMEM14C	<0.001	0.963	0.816	0.209	<0.001	25_MEP
STMN1	<0.001	0.960	0.840	0.225	<0.001	25_MEP

NPM1	<0.001	0.937	0.994	0.770	<0.001	25_MEP
CNRIP1	<0.001	0.931	0.686	0.044	<0.001	25_MEP
LDHB	<0.001	0.906	0.984	0.524	<0.001	25_MEP
IMPDH2	<0.001	0.886	0.818	0.187	<0.001	25_MEP
HSPD1	<0.001	0.871	0.856	0.234	<0.001	25_MEP
EEF1B2	<0.001	0.868	0.998	0.807	<0.001	25_MEP
CDK6	<0.001	0.860	0.749	0.116	<0.001	25_MEP
PCLAF	<0.001	0.844	0.704	0.129	<0.001	25_MEP
HNRNPA1	<0.001	0.834	0.993	0.840	<0.001	25_MEP
MPC2	<0.001	0.822	0.814	0.233	<0.001	25_MEP
MYC	<0.001	0.820	0.592	0.113	<0.001	25_MEP
DUT	<0.001	0.793	0.859	0.321	<0.001	25_MEP
TUBB	<0.001	0.781	0.857	0.316	<0.001	25_MEP
HIST1H4C	<0.001	0.775	0.744	0.206	<0.001	25_MEP
NAA38	<0.001	0.762	0.818	0.335	<0.001	25_MEP
TUBA1B	<0.001	0.754	0.910	0.414	<0.001	25_MEP
CAT	<0.001	0.744	0.792	0.227	<0.001	25_MEP
TYMS	<0.001	0.739	0.610	0.106	<0.001	25_MEP
UROD	<0.001	0.734	0.765	0.145	<0.001	25_MEP
NME4	<0.001	0.727	0.776	0.167	<0.001	25_MEP
NUCB2	<0.001	0.709	0.846	0.250	<0.001	25_MEP
EBPL	<0.001	0.699	0.783	0.164	<0.001	25_MEP
MPST	<0.001	0.687	0.714	0.148	<0.001	25_MEP
CYTOR	<0.001	0.686	0.751	0.208	<0.001	25_MEP
HNRNPAB	<0.001	0.685	0.751	0.174	<0.001	25_MEP
C1QBP	<0.001	0.680	0.879	0.310	<0.001	25_MEP
SOX4	<0.001	0.677	0.731	0.155	<0.001	25_MEP
MARCKSL1	<0.001	0.674	0.784	0.190	<0.001	25_MEP
NME1	<0.001	0.660	0.738	0.181	<0.001	25_MEP
TPM1	<0.001	0.660	0.670	0.086	<0.001	25_MEP
CDK4	<0.001	0.657	0.699	0.127	<0.001	25_MEP
ITGA2B	<0.001	0.657	0.592	0.013	<0.001	25_MEP
CCT2	<0.001	0.656	0.799	0.211	<0.001	25_MEP
RAN	<0.001	0.653	0.914	0.418	<0.001	25_MEP
PDZD8	<0.001	0.651	0.660	0.090	<0.001	25_MEP
SERPINE2	<0.001	0.646	0.637	0.048	<0.001	25_MEP
MEST	<0.001	0.641	0.629	0.052	<0.001	25_MEP
BEX3	<0.001	0.640	0.719	0.110	<0.001	25_MEP
HMGB1	<0.001	0.639	0.984	0.771	<0.001	25_MEP
PKIG	<0.001	0.638	0.663	0.076	<0.001	25_MEP
SERBP1	<0.001	0.637	0.899	0.403	<0.001	25_MEP
NCL	<0.001	0.637	0.900	0.458	<0.001	25_MEP
ALDH1A1	<0.001	0.628	0.628	0.080	<0.001	25_MEP

SLC39A3	<0.001	0.623	0.689	0.122	<0.001	25_MEP
TXN	<0.001	0.622	0.846	0.388	<0.001	25_MEP
ANP32B	<0.001	0.618	0.949	0.477	<0.001	25_MEP
SLC40A1	<0.001	0.618	0.669	0.081	<0.001	25_MEP
DNPH1	<0.001	0.615	0.722	0.149	<0.001	25_MEP
NASP	<0.001	0.613	0.770	0.206	<0.001	25_MEP
PA2G4	<0.001	0.604	0.868	0.338	<0.001	25_MEP
CTNNBL1	<0.001	0.603	0.705	0.133	<0.001	25_MEP
ATF7IP2	<0.001	0.603	0.650	0.204	<0.001	25_MEP
RANBP1	<0.001	0.602	0.827	0.328	<0.001	25_MEP
FABP5	<0.001	0.602	0.691	0.150	<0.001	25_MEP
CKS2	<0.001	0.598	0.635	0.123	<0.001	25_MEP
YBX1	<0.001	0.598	0.982	0.784	<0.001	25_MEP
H2AFZ	<0.001	0.589	0.889	0.438	<0.001	25_MEP
TUBA1C	<0.001	0.584	0.666	0.135	<0.001	25_MEP
PAICS	<0.001	0.574	0.680	0.111	<0.001	25_MEP
PEBP1	<0.001	0.574	0.903	0.380	<0.001	25_MEP
TALDO1	<0.001	0.573	0.844	0.344	<0.001	25_MEP
MYB	<0.001	0.570	0.612	0.073	<0.001	25_MEP
SNRPE	<0.001	0.567	0.857	0.391	<0.001	25_MEP
SNRPD1	<0.001	0.563	0.844	0.361	<0.001	25_MEP
HINT1	<0.001	0.563	0.982	0.733	<0.001	25_MEP
HDAC2	<0.001	0.556	0.726	0.176	<0.001	25_MEP
PCNA	<0.001	0.555	0.646	0.155	<0.001	25_MEP
ANKRD28	<0.001	0.554	0.691	0.145	<0.001	25_MEP
FAM178B	<0.001	0.553	0.403	0.055	<0.001	25_MEP
REXO2	<0.001	0.552	0.711	0.159	<0.001	25_MEP
PVT1	<0.001	0.551	0.558	0.071	<0.001	25_MEP
CCT8	<0.001	0.547	0.820	0.292	<0.001	25_MEP
SERPINB1	<0.001	0.546	0.800	0.328	<0.001	25_MEP
ST13	<0.001	0.543	0.913	0.427	<0.001	25_MEP
RACK1	<0.001	0.543	0.998	0.922	<0.001	25_MEP
ATP5F1B	<0.001	0.541	0.858	0.392	<0.001	25_MEP
FKBP4	<0.001	0.537	0.639	0.102	<0.001	25_MEP
GATA1	<0.001	0.537	0.567	0.056	<0.001	25_MEP
YWHAE	<0.001	0.534	0.811	0.285	<0.001	25_MEP
ATP5F1A	<0.001	0.533	0.873	0.371	<0.001	25_MEP
BZW2	<0.001	0.528	0.707	0.132	<0.001	25_MEP
GCSH	<0.001	0.527	0.642	0.096	<0.001	25_MEP
KLF1	<0.001	0.525	0.519	0.058	<0.001	25_MEP
APEX1	<0.001	0.522	0.825	0.257	<0.001	25_MEP
BLVRB	<0.001	0.522	0.755	0.226	<0.001	25_MEP
SCCPDH	<0.001	0.519	0.667	0.116	<0.001	25_MEP

AL157895.1	<0.001	0.519	0.404	0.009	<0.001	25_MEP
ATP5MC1	<0.001	0.519	0.819	0.296	<0.001	25_MEP
TIMM13	<0.001	0.518	0.792	0.261	<0.001	25_MEP
MAP7	<0.001	0.518	0.543	0.046	<0.001	25_MEP
CLNS1A	<0.001	0.516	0.813	0.254	<0.001	25_MEP
ARL2	<0.001	0.512	0.704	0.154	<0.001	25_MEP
EEF2	<0.001	0.510	0.989	0.777	<0.001	25_MEP
CCNG1	<0.001	0.507	0.769	0.223	<0.001	25_MEP
AMD1	<0.001	0.504	0.797	0.248	<0.001	25_MEP
DKC1	<0.001	0.502	0.691	0.138	<0.001	25_MEP
MIF	<0.001	0.550	0.825	0.391	<0.001	25_MEP
UQCRH	<0.001	0.508	0.953	0.600	<0.001	25_MEP
HSP90AA1	<0.001	0.531	0.970	0.633	<0.001	25_MEP
ENO1	<0.001	0.529	0.888	0.470	<0.001	25_MEP
PPIA	<0.001	0.508	0.966	0.724	<0.001	25_MEP
PPBP	<0.001	5.128	0.884	0.014	<0.001	26_Mega.Plate
PF4	<0.001	4.725	0.907	0.011	<0.001	26_Mega.Plate
GNG11	<0.001	3.780	0.760	0.019	<0.001	26_Mega.Plate
CAVIN2	<0.001	3.599	0.820	0.034	<0.001	26_Mega.Plate
NRGN	<0.001	3.558	0.782	0.063	<0.001	26_Mega.Plate
HIST1H2AC	<0.001	3.446	0.599	0.061	<0.001	26_Mega.Plate
TUBB1	<0.001	3.334	0.605	0.009	<0.001	26_Mega.Plate
RGS18	<0.001	3.253	0.765	0.051	<0.001	26_Mega.Plate
ACRBP	<0.001	3.058	0.528	0.009	<0.001	26_Mega.Plate
CLU	<0.001	3.034	0.768	0.028	<0.001	26_Mega.Plate
GP9	<0.001	2.965	0.733	0.003	<0.001	26_Mega.Plate
TSC22D1	<0.001	2.839	0.557	0.084	<0.001	26_Mega.Plate
MAP3K7CL	<0.001	2.807	0.485	0.024	<0.001	26_Mega.Plate
NCOA4	<0.001	2.769	0.690	0.193	<0.001	26_Mega.Plate
PTCRA	<0.001	2.556	0.405	0.007	<0.001	26_Mega.Plate
CMTM5	<0.001	2.548	0.712	0.002	<0.001	26_Mega.Plate
TMEM40	<0.001	2.425	0.408	0.001	<0.001	26_Mega.Plate
TUBA4A	<0.001	2.417	0.693	0.204	<0.001	26_Mega.Plate
TREML1	<0.001	2.404	0.553	0.002	<0.001	26_Mega.Plate
SPARC	<0.001	2.386	0.616	0.018	<0.001	26_Mega.Plate
MMD	<0.001	2.376	0.482	0.054	<0.001	26_Mega.Plate
FERMT3	<0.001	2.350	0.783	0.202	<0.001	26_Mega.Plate
ITGA2B	<0.001	2.322	0.636	0.013	<0.001	26_Mega.Plate
RUFY1	<0.001	2.320	0.616	0.066	<0.001	26_Mega.Plate
RGS10	<0.001	2.269	0.806	0.322	<0.001	26_Mega.Plate
RAP1B	<0.001	2.250	0.897	0.501	<0.001	26_Mega.Plate
MYL9	<0.001	2.206	0.430	0.004	<0.001	26_Mega.Plate
PDLIM1	<0.001	2.185	0.715	0.105	<0.001	26_Mega.Plate

TAGLN2	<0.001	2.179	0.931	0.487	<0.001	26_Mega.Plate
NT5C3A	<0.001	2.172	0.660	0.165	<0.001	26_Mega.Plate
LIMS1	<0.001	2.170	0.686	0.164	<0.001	26_Mega.Plate
PGRMC1	<0.001	2.151	0.621	0.095	<0.001	26_Mega.Plate
TPM4	<0.001	2.111	0.737	0.174	<0.001	26_Mega.Plate
CTSA	<0.001	2.098	0.623	0.166	<0.001	26_Mega.Plate
CTTN	<0.001	2.096	0.478	0.026	<0.001	26_Mega.Plate
BEX3	<0.001	2.084	0.687	0.111	<0.001	26_Mega.Plate
CD9	<0.001	2.077	0.619	0.053	<0.001	26_Mega.Plate
CLEC1B	<0.001	2.069	0.492	0.001	<0.001	26_Mega.Plate
HIST1H3H	<0.001	2.038	0.332	0.013	<0.001	26_Mega.Plate
TLN1	<0.001	2.036	0.687	0.208	<0.001	26_Mega.Plate
GRAP2	<0.001	2.003	0.443	0.067	<0.001	26_Mega.Plate
MPP1	<0.001	2.001	0.593	0.124	<0.001	26_Mega.Plate
YWHAH	<0.001	1.977	0.705	0.216	<0.001	26_Mega.Plate
2-Mar	<0.001	1.950	0.433	0.055	<0.001	26_Mega.Plate
MAX	<0.001	1.935	0.658	0.158	<0.001	26_Mega.Plate
C2orf88	<0.001	1.894	0.538	0.025	<0.001	26_Mega.Plate
TPM1	<0.001	1.887	0.603	0.087	<0.001	26_Mega.Plate
F13A1	<0.001	1.872	0.432	0.028	<0.001	26_Mega.Plate
AC147651.1	<0.001	1.870	0.344	0.006	<0.001	26_Mega.Plate
GSTO1	<0.001	1.790	0.654	0.290	<0.001	26_Mega.Plate
AP001189.1	<0.001	1.777	0.327	0.001	<0.001	26_Mega.Plate
HIST1H2BJ	<0.001	1.771	0.288	0.008	<0.001	26_Mega.Plate
PRKAR2B	<0.001	1.747	0.505	0.057	<0.001	26_Mega.Plate
ILK	<0.001	1.741	0.577	0.113	<0.001	26_Mega.Plate
CLDN5	<0.001	1.732	0.320	0.001	<0.001	26_Mega.Plate
GMPR	<0.001	1.719	0.525	0.049	<0.001	26_Mega.Plate
OAZ1	<0.001	1.706	0.963	0.812	<0.001	26_Mega.Plate
ACTN1	<0.001	1.684	0.590	0.099	<0.001	26_Mega.Plate
ESAM	<0.001	1.668	0.359	0.003	<0.001	26_Mega.Plate
PTPN18	<0.001	1.629	0.506	0.129	<0.001	26_Mega.Plate
RSU1	<0.001	1.620	0.599	0.153	<0.001	26_Mega.Plate
PLEK	<0.001	1.618	0.594	0.200	<0.001	26_Mega.Plate
CALM3	<0.001	1.610	0.759	0.369	<0.001	26_Mega.Plate
PARVB	<0.001	1.599	0.529	0.110	<0.001	26_Mega.Plate
MPIG6B	<0.001	1.580	0.458	0.007	<0.001	26_Mega.Plate
OST4	<0.001	1.571	0.918	0.690	<0.001	26_Mega.Plate
SNAP23	<0.001	1.570	0.569	0.161	<0.001	26_Mega.Plate
MTURN	<0.001	1.565	0.375	0.046	<0.001	26_Mega.Plate
TUBA1C	<0.001	1.563	0.560	0.136	<0.001	26_Mega.Plate
RNF11	<0.001	1.563	0.443	0.113	<0.001	26_Mega.Plate
SNCA	<0.001	1.548	0.535	0.092	<0.001	26_Mega.Plate

SMOX	<0.001	1.534	0.268	0.020	<0.001	26_Mega.Plate
LAMTOR1	<0.001	1.534	0.757	0.371	<0.001	26_Mega.Plate
DAB2	<0.001	1.531	0.320	0.018	<0.001	26_Mega.Plate
DMTN	<0.001	1.465	0.407	0.038	<0.001	26_Mega.Plate
PKM	<0.001	1.465	0.773	0.352	<0.001	26_Mega.Plate
CDKN2D	<0.001	1.458	0.608	0.227	<0.001	26_Mega.Plate
VIM-AS1	<0.001	1.451	0.281	0.041	<0.001	26_Mega.Plate
VCL	<0.001	1.441	0.489	0.092	<0.001	26_Mega.Plate
MYL12A	<0.001	1.436	0.935	0.735	<0.001	26_Mega.Plate
PRDX6	<0.001	1.434	0.747	0.393	<0.001	26_Mega.Plate
TMSB4X	<0.001	1.421	1.000	0.969	<0.001	26_Mega.Plate
DYNLL1	<0.001	1.418	0.684	0.310	<0.001	26_Mega.Plate
GSN	<0.001	1.415	0.500	0.068	<0.001	26_Mega.Plate
TIMP1	<0.001	1.408	0.694	0.293	<0.001	26_Mega.Plate
PTGS1	<0.001	1.406	0.430	0.021	<0.001	26_Mega.Plate
CARD19	<0.001	1.404	0.537	0.154	<0.001	26_Mega.Plate
RAB32	<0.001	1.402	0.423	0.092	<0.001	26_Mega.Plate
KIF2A	<0.001	1.397	0.526	0.122	<0.001	26_Mega.Plate
H3F3A	<0.001	1.395	0.985	0.889	<0.001	26_Mega.Plate
GPX4	<0.001	1.377	0.822	0.534	<0.001	26_Mega.Plate
MLH3	<0.001	1.362	0.297	0.039	<0.001	26_Mega.Plate
UBE2C	<0.001	1.352	0.304	0.066	<0.001	26_Mega.Plate
STOM	<0.001	1.324	0.533	0.145	<0.001	26_Mega.Plate
DAPP1	<0.001	1.307	0.312	0.065	<0.001	26_Mega.Plate
SLC40A1	<0.001	1.303	0.370	0.084	<0.001	26_Mega.Plate
GAS2L1	<0.001	1.302	0.359	0.030	<0.001	26_Mega.Plate
TPST2	<0.001	1.300	0.470	0.130	<0.001	26_Mega.Plate
WDR1	<0.001	1.300	0.627	0.263	<0.001	26_Mega.Plate
CD151	<0.001	1.286	0.427	0.091	<0.001	26_Mega.Plate
SPNS1	<0.001	1.271	0.421	0.108	<0.001	26_Mega.Plate
ACTB	<0.001	1.241	0.995	0.982	<0.001	26_Mega.Plate
AC090409.1	<0.001	1.220	0.265	0.000	<0.001	26_Mega.Plate
RPA1	<0.001	1.218	0.423	0.118	<0.001	26_Mega.Plate
GFI1B	<0.001	1.216	0.384	0.049	<0.001	26_Mega.Plate
CAPN1	<0.001	1.210	0.485	0.157	<0.001	26_Mega.Plate
FHL1	<0.001	1.205	0.332	0.039	<0.001	26_Mega.Plate
RAB27B	<0.001	1.198	0.346	0.010	<0.001	26_Mega.Plate
LAT	<0.001	1.183	0.550	0.181	<0.001	26_Mega.Plate
GP1BA	<0.001	1.141	0.346	0.005	<0.001	26_Mega.Plate
MYLK	<0.001	1.116	0.309	0.009	<0.001	26_Mega.Plate
GNAZ	<0.001	1.102	0.254	0.002	<0.001	26_Mega.Plate
PPP1R14A	<0.001	1.100	0.373	0.053	<0.001	26_Mega.Plate
MCUR1	<0.001	1.089	0.379	0.097	<0.001	26_Mega.Plate

ARHGAP6	<0.001	1.085	0.337	0.002	<0.001	26_Mega.Plate
SPX	<0.001	1.085	0.319	0.001	<0.001	26_Mega.Plate
NFE2	<0.001	1.075	0.304	0.066	<0.001	26_Mega.Plate
ARHGAP18	<0.001	1.045	0.346	0.046	<0.001	26_Mega.Plate
CA2	<0.001	1.043	0.355	0.076	<0.001	26_Mega.Plate
TMEM91	<0.001	1.041	0.307	0.049	<0.001	26_Mega.Plate
SMIM3	<0.001	1.018	0.324	0.047	<0.001	26_Mega.Plate
CALD1	<0.001	1.018	0.253	0.004	<0.001	26_Mega.Plate
LGALSL	<0.001	1.016	0.252	0.002	<0.001	26_Mega.Plate
SLA2	<0.001	1.006	0.320	0.042	<0.001	26_Mega.Plate
UBL4A	<0.001	0.963	0.307	0.065	<0.001	26_Mega.Plate
HEMGN	<0.001	0.960	0.358	0.057	<0.001	26_Mega.Plate
AL157895.1	<0.001	0.953	0.304	0.011	<0.001	26_Mega.Plate
GUCY1B1	<0.001	0.953	0.324	0.012	<0.001	26_Mega.Plate
MEIS1	<0.001	0.935	0.267	0.009	<0.001	26_Mega.Plate
PBX1	<0.001	0.913	0.332	0.017	<0.001	26_Mega.Plate
LTBP1	<0.001	0.903	0.314	0.027	<0.001	26_Mega.Plate
ALOX12	<0.001	0.893	0.260	0.001	<0.001	26_Mega.Plate
SELP	<0.001	0.884	0.303	0.001	<0.001	26_Mega.Plate
MGLL	<0.001	0.857	0.314	0.042	<0.001	26_Mega.Plate
INKA1	<0.001	0.835	0.256	0.017	<0.001	26_Mega.Plate
PSTPIP2	<0.001	0.828	0.350	0.079	<0.001	26_Mega.Plate
TAL1	<0.001	0.820	0.251	0.038	<0.001	26_Mega.Plate
TCEAL9	<0.001	0.809	0.313	0.052	<0.001	26_Mega.Plate
PDLIM7	<0.001	0.808	0.313	0.062	<0.001	26_Mega.Plate
CNST	<0.001	0.796	0.289	0.058	<0.001	26_Mega.Plate
GATA1	<0.001	0.786	0.308	0.058	<0.001	26_Mega.Plate
FHL2	<0.001	0.766	0.271	0.046	<0.001	26_Mega.Plate
CTDSPL	<0.001	0.763	0.254	0.015	<0.001	26_Mega.Plate
MMRN1	<0.001	0.735	0.276	0.007	<0.001	26_Mega.Plate
LCN2	<0.001	0.712	0.355	0.018	<0.001	26_Mega.Plate
P2RX1	<0.001	0.707	0.269	0.043	<0.001	26_Mega.Plate
CDIP1	<0.001	0.645	0.279	0.051	<0.001	26_Mega.Plate
F2R	<0.001	0.582	0.279	0.052	<0.001	26_Mega.Plate
SERPINE2	<0.001	0.564	0.264	0.051	<0.001	26_Mega.Plate
CCL5	<0.001	1.243	0.665	0.265	<0.001	26_Mega.Plate
TAX1BP3	<0.001	0.971	0.317	0.072	<0.001	26_Mega.Plate
SLC39A3	<0.001	0.987	0.419	0.124	<0.001	26_Mega.Plate
MYL6	<0.001	1.279	0.929	0.836	<0.001	26_Mega.Plate
LYPLAL1	<0.001	1.087	0.295	0.066	<0.001	26_Mega.Plate
TGFB1	<0.001	1.536	0.600	0.250	<0.001	26_Mega.Plate
MAGED2	<0.001	0.899	0.369	0.097	<0.001	26_Mega.Plate
BCL2L1	<0.001	0.778	0.263	0.054	<0.001	26_Mega.Plate

FAM110A	<0.001	1.199	0.260	0.053	<0.001	26_Mega.Plate
TALDO1	<0.001	1.215	0.672	0.345	<0.001	26_Mega.Plate
TMBIM1	<0.001	1.048	0.347	0.090	<0.001	26_Mega.Plate
RAB11A	<0.001	1.481	0.610	0.257	<0.001	26_Mega.Plate
XPNPEP1	<0.001	0.928	0.289	0.065	<0.001	26_Mega.Plate
LYL1	<0.001	1.254	0.412	0.127	<0.001	26_Mega.Plate
NDUFAF3	<0.001	1.180	0.550	0.227	<0.001	26_Mega.Plate
SWI5	<0.001	0.857	0.290	0.066	<0.001	26_Mega.Plate
RAB37	<0.001	0.681	0.315	0.073	<0.001	26_Mega.Plate
NAP1L1	<0.001	1.241	0.883	0.663	<0.001	26_Mega.Plate
SH3BGRL3	<0.001	1.247	0.955	0.800	<0.001	26_Mega.Plate
MEST	<0.001	0.505	0.259	0.055	<0.001	26_Mega.Plate
EGFL7	<0.001	0.655	0.276	0.061	<0.001	26_Mega.Plate
ODC1	<0.001	1.666	0.609	0.269	<0.001	26_Mega.Plate
VDAC3	<0.001	1.135	0.536	0.211	<0.001	26_Mega.Plate
CAPZA2	<0.001	1.385	0.651	0.314	<0.001	26_Mega.Plate
SUSD3	<0.001	0.592	0.280	0.062	<0.001	26_Mega.Plate
RDH11	<0.001	0.864	0.329	0.086	<0.001	26_Mega.Plate
WRB	<0.001	0.688	0.282	0.065	<0.001	26_Mega.Plate
SPINT2	<0.001	1.076	0.509	0.202	<0.001	26_Mega.Plate
ETFA	<0.001	1.238	0.498	0.183	<0.001	26_Mega.Plate
UBA7	<0.001	0.825	0.274	0.063	<0.001	26_Mega.Plate
PPIF	<0.001	0.787	0.362	0.107	<0.001	26_Mega.Plate
RAB13	<0.001	0.712	0.310	0.081	<0.001	26_Mega.Plate
BIN2	<0.001	1.140	0.621	0.271	<0.001	26_Mega.Plate
SEPTIN11	<0.001	0.686	0.326	0.089	<0.001	26_Mega.Plate
PYCR2	<0.001	0.889	0.372	0.114	<0.001	26_Mega.Plate
LMNA	<0.001	1.163	0.404	0.130	<0.001	26_Mega.Plate
WBP2	<0.001	1.153	0.416	0.141	<0.001	26_Mega.Plate
EIF2AK1	<0.001	1.163	0.441	0.158	<0.001	26_Mega.Plate
ARPC1B	<0.001	1.303	0.761	0.458	<0.001	26_Mega.Plate
UQCRH	<0.001	0.908	0.797	0.602	<0.001	26_Mega.Plate
TBXAS1	<0.001	0.569	0.283	0.072	<0.001	26_Mega.Plate
ACTG1	<0.001	0.897	0.864	0.747	<0.001	26_Mega.Plate
ARPC5	<0.001	1.139	0.733	0.438	<0.001	26_Mega.Plate
ITGB1	<0.001	1.195	0.589	0.268	<0.001	26_Mega.Plate
CCND3	<0.001	1.136	0.671	0.368	<0.001	26_Mega.Plate
PECAM1	<0.001	0.695	0.348	0.105	<0.001	26_Mega.Plate
ATP2A3	<0.001	0.555	0.291	0.077	<0.001	26_Mega.Plate
DAAM1	<0.001	0.682	0.297	0.085	<0.001	26_Mega.Plate
EMC3	<0.001	1.190	0.468	0.186	<0.001	26_Mega.Plate
MFSD1	<0.001	1.099	0.373	0.126	<0.001	26_Mega.Plate
MIR4435-2HG	<0.001	0.996	0.357	0.115	<0.001	26_Mega.Plate

ZCCHC17	<0.001	0.853	0.341	0.107	<0.001	26_Mega.Plate
GNB5	<0.001	0.602	0.255	0.063	<0.001	26_Mega.Plate
GNAS	<0.001	1.538	0.672	0.394	<0.001	26_Mega.Plate
ARF1	<0.001	1.117	0.690	0.423	<0.001	26_Mega.Plate
SOD2	<0.001	0.857	0.410	0.146	<0.001	26_Mega.Plate
HMGB1	<0.001	0.678	0.874	0.771	<0.001	26_Mega.Plate
ZYX	<0.001	0.843	0.419	0.153	<0.001	26_Mega.Plate
TLK1	<0.001	1.094	0.381	0.135	<0.001	26_Mega.Plate
TUBA1B	<0.001	1.044	0.674	0.416	<0.001	26_Mega.Plate
PKIG	<0.001	0.552	0.279	0.080	<0.001	26_Mega.Plate
LEPROT	<0.001	0.948	0.426	0.168	<0.001	26_Mega.Plate
RAB8A	<0.001	0.858	0.451	0.189	<0.001	26_Mega.Plate
UXS1	<0.001	0.723	0.311	0.096	<0.001	26_Mega.Plate
R3HDM4	<0.001	1.019	0.371	0.132	<0.001	26_Mega.Plate
CAMTA1	<0.001	0.898	0.480	0.216	<0.001	26_Mega.Plate
HMG20B	<0.001	0.750	0.346	0.119	<0.001	26_Mega.Plate
CYB5R3	<0.001	0.828	0.374	0.138	<0.001	26_Mega.Plate
DTD1	<0.001	0.630	0.328	0.113	<0.001	26_Mega.Plate
TACC3	<0.001	0.925	0.316	0.105	<0.001	26_Mega.Plate
NAA38	<0.001	1.180	0.557	0.338	<0.001	26_Mega.Plate
MTHFD2L	<0.001	0.607	0.294	0.091	<0.001	26_Mega.Plate
PIP4K2A	<0.001	1.032	0.485	0.215	<0.001	26_Mega.Plate
CERS2	<0.001	0.747	0.306	0.100	<0.001	26_Mega.Plate
ICAM2	<0.001	1.011	0.390	0.149	<0.001	26_Mega.Plate
C12orf75	<0.001	0.749	0.502	0.214	<0.001	26_Mega.Plate
ADIPOR1	<0.001	1.037	0.381	0.146	<0.001	26_Mega.Plate
RTN3	<0.001	0.838	0.472	0.210	<0.001	26_Mega.Plate
RHOC	<0.001	0.639	0.381	0.135	<0.001	26_Mega.Plate
CHD1L	<0.001	0.506	0.258	0.078	<0.001	26_Mega.Plate
TUBB4B	<0.001	0.868	0.457	0.205	<0.001	26_Mega.Plate
VASP	<0.001	0.794	0.482	0.222	<0.001	26_Mega.Plate
AMD1	<0.001	1.014	0.515	0.251	<0.001	26_Mega.Plate
GAPDH	<0.001	0.645	0.889	0.826	<0.001	26_Mega.Plate
TMEM106C	<0.001	0.578	0.283	0.091	<0.001	26_Mega.Plate
CLIC1	<0.001	0.963	0.683	0.529	<0.001	26_Mega.Plate
PTTG1IP	<0.001	0.590	0.317	0.110	<0.001	26_Mega.Plate
HACD4	<0.001	0.784	0.404	0.159	<0.001	26_Mega.Plate
DNAJB6	<0.001	1.008	0.625	0.372	<0.001	26_Mega.Plate
PTPN12	<0.001	0.590	0.260	0.080	<0.001	26_Mega.Plate
UBE2E3	<0.001	0.836	0.440	0.195	<0.001	26_Mega.Plate
BTK	<0.001	0.587	0.295	0.099	<0.001	26_Mega.Plate
MYH9	<0.001	0.962	0.494	0.241	<0.001	26_Mega.Plate
RASGRP2	<0.001	1.013	0.492	0.232	<0.001	26_Mega.Plate

TMEM50A	<0.001	0.962	0.606	0.348	<0.001	26_Mega.Plate
APP	<0.001	0.799	0.287	0.096	<0.001	26_Mega.Plate
NUTF2	<0.001	0.899	0.438	0.199	<0.001	26_Mega.Plate
PDCD10	<0.001	0.937	0.436	0.196	<0.001	26_Mega.Plate
CORO1C	<0.001	0.694	0.293	0.103	<0.001	26_Mega.Plate
GADD45A	<0.001	0.841	0.276	0.095	<0.001	26_Mega.Plate
DAD1	<0.001	1.038	0.540	0.352	<0.001	26_Mega.Plate
AP2M1	<0.001	0.870	0.563	0.315	<0.001	26_Mega.Plate
COMMD7	<0.001	0.731	0.440	0.205	<0.001	26_Mega.Plate
ARF3	<0.001	0.506	0.317	0.116	<0.001	26_Mega.Plate
DAP	<0.001	0.524	0.297	0.105	<0.001	26_Mega.Plate
CMIP	<0.001	0.804	0.296	0.108	<0.001	26_Mega.Plate
ITM2B	<0.001	1.185	0.872	0.757	<0.001	26_Mega.Plate
RABGAP1L	<0.001	0.868	0.327	0.129	<0.001	26_Mega.Plate
ARHGDIB	<0.001	0.593	0.849	0.750	<0.001	26_Mega.Plate
DERA	<0.001	0.621	0.251	0.084	<0.001	26_Mega.Plate
ADI1	<0.001	0.756	0.401	0.182	<0.001	26_Mega.Plate
UBAC2	<0.001	0.939	0.335	0.136	<0.001	26_Mega.Plate
RBX1	<0.001	1.017	0.625	0.390	<0.001	26_Mega.Plate
CD63	<0.001	0.807	0.594	0.405	<0.001	26_Mega.Plate
PPDPF	<0.001	0.741	0.817	0.706	<0.001	26_Mega.Plate
UBE2F	<0.001	0.757	0.376	0.164	<0.001	26_Mega.Plate
MTPN	<0.001	0.893	0.511	0.277	<0.001	26_Mega.Plate
FLNA	<0.001	0.997	0.522	0.282	<0.001	26_Mega.Plate
YWHAE	<0.001	0.768	0.498	0.287	<0.001	26_Mega.Plate
PLEKHO1	<0.001	1.133	0.264	0.100	<0.001	26_Mega.Plate
SQSTM1	<0.001	0.942	0.467	0.237	<0.001	26_Mega.Plate
SERPINB6	<0.001	0.545	0.365	0.153	<0.001	26_Mega.Plate
HIGD1A	<0.001	0.569	0.353	0.152	<0.001	26_Mega.Plate
ARPC4	<0.001	0.717	0.612	0.390	<0.001	26_Mega.Plate
NORAD	<0.001	0.893	0.356	0.156	<0.001	26_Mega.Plate
H2AFJ	<0.001	1.015	0.472	0.245	<0.001	26_Mega.Plate
SVIP	<0.001	0.908	0.493	0.264	<0.001	26_Mega.Plate
FKBP1A	<0.001	0.908	0.698	0.469	<0.001	26_Mega.Plate
MKRN1	<0.001	0.834	0.460	0.235	<0.001	26_Mega.Plate
PPM1A	<0.001	0.817	0.309	0.127	<0.001	26_Mega.Plate
STXBP2	<0.001	0.655	0.559	0.307	<0.001	26_Mega.Plate
NENF	<0.001	0.713	0.434	0.225	<0.001	26_Mega.Plate
ISCA1	<0.001	0.702	0.405	0.192	<0.001	26_Mega.Plate
SERPINB1	<0.001	0.730	0.542	0.330	<0.001	26_Mega.Plate
HSPB1	<0.001	0.763	0.470	0.265	<0.001	26_Mega.Plate
TPM3	<0.001	0.720	0.700	0.540	<0.001	26_Mega.Plate
TYMS	<0.001	0.725	0.271	0.109	<0.001	26_Mega.Plate

CYTOR	<0.001	0.727	0.432	0.211	<0.001	26_Mega.Plate
CCNG1	<0.001	0.882	0.443	0.225	<0.001	26_Mega.Plate
ORAI1	<0.001	0.550	0.255	0.093	<0.001	26_Mega.Plate
SNX3	<0.001	0.754	0.656	0.494	<0.001	26_Mega.Plate
BEX4	<0.001	0.520	0.342	0.152	<0.001	26_Mega.Plate
GABARAPL2	<0.001	0.846	0.544	0.327	<0.001	26_Mega.Plate
PARK7	<0.001	0.721	0.610	0.430	<0.001	26_Mega.Plate
RAB4A	<0.001	0.742	0.350	0.161	<0.001	26_Mega.Plate
ARL6IP5	<0.001	0.888	0.599	0.399	<0.001	26_Mega.Plate
SERF2	<0.001	0.539	0.936	0.924	<0.001	26_Mega.Plate
SH3BGRL	<0.001	0.901	0.635	0.438	<0.001	26_Mega.Plate
HK1	<0.001	0.746	0.272	0.113	<0.001	26_Mega.Plate
SNRPN	<0.001	0.681	0.433	0.222	<0.001	26_Mega.Plate
SMIM10L1	<0.001	0.529	0.279	0.115	<0.001	26_Mega.Plate
CMTM6	<0.001	0.687	0.483	0.280	<0.001	26_Mega.Plate
ARMCX6	<0.001	0.521	0.262	0.105	<0.001	26_Mega.Plate
HMGN1	<0.001	0.703	0.660	0.572	<0.001	26_Mega.Plate
RBBP6	<0.001	0.905	0.394	0.202	<0.001	26_Mega.Plate
FTH1	<0.001	0.609	0.988	0.964	<0.001	26_Mega.Plate
SRSF8	<0.001	0.729	0.376	0.185	<0.001	26_Mega.Plate
CAP1	<0.001	0.707	0.575	0.381	<0.001	26_Mega.Plate
C9orf16	<0.001	0.779	0.632	0.467	<0.001	26_Mega.Plate
TUBB	<0.001	0.719	0.507	0.319	<0.001	26_Mega.Plate
SECISBP2	<0.001	0.593	0.318	0.145	<0.001	26_Mega.Plate
RTN4	<0.001	0.775	0.518	0.357	<0.001	26_Mega.Plate
STX11	<0.001	0.553	0.282	0.120	<0.001	26_Mega.Plate
DOK2	<0.001	0.754	0.342	0.167	<0.001	26_Mega.Plate
LSM1	<0.001	0.534	0.352	0.172	<0.001	26_Mega.Plate
RHEB	<0.001	0.629	0.422	0.235	<0.001	26_Mega.Plate
SUPT4H1	<0.001	0.760	0.477	0.274	<0.001	26_Mega.Plate
MPST	<0.001	0.562	0.328	0.152	<0.001	26_Mega.Plate
RIPOR2	<0.001	1.157	0.447	0.263	<0.001	26_Mega.Plate
NDUFA6	<0.001	0.822	0.496	0.296	<0.001	26_Mega.Plate
HLA-E	<0.001	0.899	0.840	0.758	<0.001	26_Mega.Plate
HIST1H1C	<0.001	0.719	0.389	0.205	<0.001	26_Mega.Plate
NDUFS5	<0.001	0.630	0.644	0.518	<0.001	26_Mega.Plate
RAC1	<0.001	0.686	0.616	0.452	<0.001	26_Mega.Plate
AKIRIN2	<0.001	0.904	0.352	0.182	<0.001	26_Mega.Plate
CAPZB	<0.001	0.671	0.612	0.455	<0.001	26_Mega.Plate
INSIG1	<0.001	0.618	0.260	0.113	<0.001	26_Mega.Plate
ANXA7	<0.001	0.617	0.414	0.231	<0.001	26_Mega.Plate
CCDC85B	<0.001	0.718	0.552	0.378	<0.001	26_Mega.Plate
SAT1	<0.001	0.966	0.717	0.553	<0.001	26_Mega.Plate

GTF3C6	<0.001	0.582	0.397	0.218	<0.001	26_Mega.Plate
TMEM219	<0.001	0.687	0.494	0.300	<0.001	26_Mega.Plate
RAB10	<0.001	0.593	0.296	0.143	<0.001	26_Mega.Plate
PCLAF	<0.001	0.527	0.282	0.133	<0.001	26_Mega.Plate
RHOF	<0.001	0.507	0.357	0.180	<0.001	26_Mega.Plate
ANAPC5	<0.001	0.639	0.419	0.237	<0.001	26_Mega.Plate
TRAPPC1	<0.001	0.734	0.606	0.428	<0.001	26_Mega.Plate
ENO1	<0.001	0.621	0.581	0.473	<0.001	26_Mega.Plate
FKBP8	<0.001	0.781	0.562	0.378	<0.001	26_Mega.Plate
H2AFZ	<0.001	0.879	0.559	0.441	<0.001	26_Mega.Plate
NDUFA4	<0.001	0.567	0.696	0.646	<0.001	26_Mega.Plate
EIF4E	<0.001	0.563	0.347	0.184	<0.001	26_Mega.Plate
VPS28	<0.001	0.614	0.518	0.345	<0.001	26_Mega.Plate
HSBP1	<0.001	0.521	0.397	0.230	<0.001	26_Mega.Plate
GLUL	<0.001	0.519	0.438	0.255	<0.001	26_Mega.Plate
YWHAQ	<0.001	0.561	0.529	0.366	<0.001	26_Mega.Plate
SEPTIN7	<0.001	0.574	0.656	0.534	<0.001	26_Mega.Plate
POLR2E	<0.001	0.511	0.383	0.222	<0.001	26_Mega.Plate
NDUFA5	<0.001	0.622	0.471	0.297	<0.001	26_Mega.Plate
FYB1	<0.001	0.519	0.566	0.367	<0.001	26_Mega.Plate
DBNL	<0.001	0.586	0.428	0.259	<0.001	26_Mega.Plate
RHOA	<0.001	0.532	0.660	0.552	<0.001	26_Mega.Plate
TPI1	<0.001	0.702	0.550	0.475	<0.001	26_Mega.Plate
TBPL1	<0.001	0.534	0.259	0.124	<0.001	26_Mega.Plate
WIPF1	<0.001	0.611	0.440	0.263	<0.001	26_Mega.Plate
MSN	<0.001	0.614	0.510	0.328	<0.001	26_Mega.Plate
EIF4G2	<0.001	0.625	0.596	0.453	<0.001	26_Mega.Plate
IFI27L2	<0.001	0.585	0.394	0.230	<0.001	26_Mega.Plate
ARF4	<0.001	0.514	0.370	0.216	<0.001	26_Mega.Plate
ACP1	<0.001	0.538	0.432	0.271	<0.001	26_Mega.Plate
DYNLRB1	<0.001	0.571	0.460	0.304	<0.001	26_Mega.Plate
CMPK1	<0.001	0.667	0.560	0.399	<0.001	26_Mega.Plate
ATF4	<0.001	0.651	0.506	0.363	<0.001	26_Mega.Plate
SIAH2	<0.001	0.566	0.294	0.163	<0.001	26_Mega.Plate
CD99	<0.001	0.824	0.603	0.477	<0.001	26_Mega.Plate
ANP32B	<0.001	0.534	0.555	0.481	<0.001	26_Mega.Plate
PCNP	<0.001	0.582	0.494	0.351	<0.001	26_Mega.Plate
BRK1	<0.001	0.538	0.548	0.425	<0.001	26_Mega.Plate
STMP1	<0.001	0.597	0.479	0.339	<0.001	26_Mega.Plate
ATP6V0E1	<0.001	0.563	0.601	0.467	<0.001	26_Mega.Plate
ASAH1	<0.001	0.546	0.447	0.301	<0.001	26_Mega.Plate
RAP2B	<0.001	0.540	0.284	0.167	<0.001	26_Mega.Plate
SELENOT	<0.001	0.504	0.440	0.306	<0.001	26_Mega.Plate

EIF1B	<0.001	0.523	0.441	0.314	<0.001	26_Mega.Plate
CD36	<0.001	0.576	0.261	0.174	<0.001	26_Mega.Plate
LDHB	<0.001	0.547	0.518	0.528	<0.001	26_Mega.Plate
IFRD1	<0.001	0.525	0.252	0.165	<0.001	26_Mega.Plate
DUT	<0.001	0.528	0.378	0.325	<0.001	26_Mega.Plate
CXCL12	<0.001	4.612	0.672	0.001	<0.001	27_DC
APOE	<0.001	4.433	0.893	0.034	<0.001	27_DC
SELENOP	<0.001	3.615	0.912	0.020	<0.001	27_DC
C1QA	<0.001	3.523	0.446	0.008	<0.001	27_DC
C1QB	<0.001	3.517	0.450	0.004	<0.001	27_DC
APOC1	<0.001	3.069	0.531	0.059	<0.001	27_DC
C1QC	<0.001	3.055	0.402	0.002	<0.001	27_DC
VCAM1	<0.001	2.716	0.647	0.004	<0.001	27_DC
HMOX1	<0.001	2.712	0.452	0.051	<0.001	27_DC
LEPR	<0.001	2.631	0.435	0.019	<0.001	27_DC
EGR1	<0.001	2.604	0.411	0.064	<0.001	27_DC
IFITM3	<0.001	2.504	0.697	0.151	<0.001	27_DC
IGFBP5	<0.001	2.497	0.360	0.000	<0.001	27_DC
NNMT	<0.001	2.398	0.411	0.000	<0.001	27_DC
CCL2	<0.001	2.357	0.296	0.002	<0.001	27_DC
DEPP1	<0.001	2.274	0.291	0.005	<0.001	27_DC
GAS6	<0.001	2.206	0.449	0.026	<0.001	27_DC
MARCKS	<0.001	2.157	0.647	0.110	<0.001	27_DC
CP	<0.001	2.141	0.386	0.000	<0.001	27_DC
PTGDS	<0.001	2.094	0.395	0.022	<0.001	27_DC
CTGF	<0.001	2.052	0.336	0.003	<0.001	27_DC
MDK	<0.001	2.035	0.437	0.029	<0.001	27_DC
LGMN	<0.001	2.009	0.385	0.023	<0.001	27_DC
FCGRT	<0.001	1.974	0.785	0.261	<0.001	27_DC
TF	<0.001	1.908	0.374	0.003	<0.001	27_DC
ESM1	<0.001	1.897	0.385	0.001	<0.001	27_DC
FRZB	<0.001	1.859	0.353	0.001	<0.001	27_DC
PCOLCE	<0.001	1.795	0.411	0.006	<0.001	27_DC
CYP1B1	<0.001	1.793	0.414	0.033	<0.001	27_DC
DCN	<0.001	1.792	0.351	0.000	<0.001	27_DC
OLFML3	<0.001	1.741	0.370	0.001	<0.001	27_DC
CALD1	<0.001	1.728	0.399	0.004	<0.001	27_DC
C11orf96	<0.001	1.722	0.304	0.002	<0.001	27_DC
MGP	<0.001	1.706	0.305	0.001	<0.001	27_DC
SERPING1	<0.001	1.706	0.467	0.020	<0.001	27_DC
LUM	<0.001	1.703	0.325	0.000	<0.001	27_DC
FSTL1	<0.001	1.696	0.375	0.003	<0.001	27_DC
LPL	<0.001	1.696	0.356	0.002	<0.001	27_DC

TAGLN	<0.001	1.675	0.347	0.012	<0.001	27_DC
CTSL	<0.001	1.665	0.457	0.045	<0.001	27_DC
TFPI	<0.001	1.608	0.411	0.025	<0.001	27_DC
IGFBP2	<0.001	1.586	0.333	0.009	<0.001	27_DC
PLPP3	<0.001	1.572	0.378	0.002	<0.001	27_DC
EPHX1	<0.001	1.545	0.410	0.018	<0.001	27_DC
RARRES2	<0.001	1.538	0.363	0.001	<0.001	27_DC
SERPINF1	<0.001	1.505	0.386	0.023	<0.001	27_DC
TNFAIP6	<0.001	1.491	0.342	0.006	<0.001	27_DC
ID3	<0.001	1.490	0.335	0.030	<0.001	27_DC
LHFPL6	<0.001	1.467	0.375	0.011	<0.001	27_DC
GGT5	<0.001	1.451	0.360	0.001	<0.001	27_DC
HNMT	<0.001	1.427	0.484	0.061	<0.001	27_DC
DAB2	<0.001	1.412	0.363	0.019	<0.001	27_DC
CCDC80	<0.001	1.372	0.357	0.001	<0.001	27_DC
C1S	<0.001	1.369	0.339	0.001	<0.001	27_DC
ADIRF	<0.001	1.347	0.279	0.002	<0.001	27_DC
C1R	<0.001	1.337	0.353	0.003	<0.001	27_DC
CHL1	<0.001	1.302	0.318	0.000	<0.001	27_DC
IGFBP3	<0.001	1.287	0.266	0.006	<0.001	27_DC
GPM6B	<0.001	1.278	0.346	0.040	<0.001	27_DC
COL1A2	<0.001	1.252	0.273	0.000	<0.001	27_DC
IGFBP4	<0.001	1.242	0.335	0.006	<0.001	27_DC
LGALS3BP	<0.001	1.225	0.381	0.055	<0.001	27_DC
ANGPTL4	<0.001	1.214	0.275	0.001	<0.001	27_DC
TNC	<0.001	1.194	0.257	0.000	<0.001	27_DC
COL6A2	<0.001	1.181	0.350	0.019	<0.001	27_DC
FBLN1	<0.001	1.171	0.301	0.001	<0.001	27_DC
EPAS1	<0.001	1.164	0.343	0.002	<0.001	27_DC
CHRDL1	<0.001	1.143	0.315	0.002	<0.001	27_DC
DDR2	<0.001	1.139	0.294	0.001	<0.001	27_DC
ERRFI1	<0.001	1.122	0.273	0.003	<0.001	27_DC
FHL1	<0.001	1.112	0.322	0.041	<0.001	27_DC
TSPAN4	<0.001	1.111	0.382	0.058	<0.001	27_DC
CFH	<0.001	1.084	0.300	0.009	<0.001	27_DC
PAPPA	<0.001	1.073	0.266	0.001	<0.001	27_DC
S100A13	<0.001	1.047	0.297	0.019	<0.001	27_DC
FGF7	<0.001	1.013	0.282	0.004	<0.001	27_DC
ANGPT1	<0.001	1.008	0.275	0.009	<0.001	27_DC
BMP5	<0.001	1.007	0.259	0.000	<0.001	27_DC
CAVIN1	<0.001	1.000	0.305	0.024	<0.001	27_DC
GPX3	<0.001	0.987	0.258	0.006	<0.001	27_DC
FBN1	<0.001	0.974	0.251	0.004	<0.001	27_DC

COL6A1	<0.001	0.955	0.280	0.002	<0.001	27_DC
SPARC	<0.001	0.947	0.315	0.021	<0.001	27_DC
MXRA8	<0.001	0.942	0.272	0.002	<0.001	27_DC
NTRK2	<0.001	0.936	0.252	0.000	<0.001	27_DC
RBMS3	<0.001	0.917	0.278	0.001	<0.001	27_DC
CSF1	<0.001	0.890	0.271	0.022	<0.001	27_DC
LTBP2	<0.001	0.882	0.268	0.002	<0.001	27_DC
EMILIN1	<0.001	0.869	0.261	0.008	<0.001	27_DC
AKAP12	<0.001	0.839	0.259	0.016	<0.001	27_DC
CD63	<0.001	1.846	0.830	0.405	<0.001	27_DC
SPATS2L	<0.001	0.902	0.261	0.030	<0.001	27_DC
GSN	<0.001	1.246	0.389	0.069	<0.001	27_DC
IGFBP7	<0.001	2.097	0.471	0.108	<0.001	27_DC
TMEM176B	<0.001	0.987	0.339	0.054	<0.001	27_DC
IFI27	<0.001	2.077	0.304	0.046	<0.001	27_DC
CFD	<0.001	2.514	0.605	0.202	<0.001	27_DC
LMNA	<0.001	2.116	0.501	0.131	<0.001	27_DC
TMEM176A	<0.001	0.823	0.269	0.037	<0.001	27_DC
LRP1	<0.001	0.893	0.310	0.049	<0.001	27_DC
EBF1	<0.001	0.710	0.251	0.033	<0.001	27_DC
TNFRSF1A	<0.001	1.090	0.406	0.088	<0.001	27_DC
GMDS	<0.001	1.013	0.304	0.052	<0.001	27_DC
TSC22D1	<0.001	1.264	0.386	0.086	<0.001	27_DC
SLC40A1	<0.001	1.838	0.382	0.085	<0.001	27_DC
IL6ST	<0.001	1.033	0.350	0.070	<0.001	27_DC
CYBRD1	<0.001	0.738	0.271	0.046	<0.001	27_DC
FTH1	<0.001	1.267	0.985	0.964	<0.001	27_DC
SELENOM	<0.001	1.176	0.403	0.103	<0.001	27_DC
APP	<0.001	1.119	0.389	0.096	<0.001	27_DC
CTSB	<0.001	1.823	0.531	0.185	<0.001	27_DC
SOCS3	<0.001	2.341	0.425	0.123	<0.001	27_DC
CTSC	<0.001	1.456	0.566	0.226	<0.001	27_DC
CST3	<0.001	1.443	0.820	0.357	<0.001	27_DC
NPC2	<0.001	1.335	0.732	0.390	<0.001	27_DC
S100A11	<0.001	1.017	0.745	0.369	<0.001	27_DC
CD81	<0.001	1.243	0.411	0.124	<0.001	27_DC
HSPB1	<0.001	1.350	0.596	0.265	<0.001	27_DC
PPP1R14A	<0.001	0.726	0.265	0.054	<0.001	27_DC
PTMS	<0.001	1.005	0.358	0.098	<0.001	27_DC
TCEAL9	<0.001	0.814	0.255	0.053	<0.001	27_DC
BLVRB	<0.001	1.436	0.576	0.229	<0.001	27_DC
TPM1	<0.001	1.087	0.333	0.090	<0.001	27_DC
FTL	<0.001	2.369	0.989	0.968	<0.001	27_DC

CD68	<0.001	1.600	0.420	0.136	<0.001	27_DC
CEBPD	<0.001	1.217	0.455	0.154	<0.001	27_DC
IFI44L	<0.001	0.869	0.279	0.064	<0.001	27_DC
PLD3	<0.001	1.376	0.391	0.122	<0.001	27_DC
UGCG	<0.001	0.873	0.291	0.072	<0.001	27_DC
HSPA1A	<0.001	1.354	0.314	0.081	<0.001	27_DC
ITM2B	<0.001	0.919	0.837	0.757	<0.001	27_DC
RCN1	<0.001	0.716	0.271	0.069	<0.001	27_DC
ZFP36L1	<0.001	1.470	0.554	0.274	<0.001	27_DC
MIR22HG	<0.001	0.756	0.264	0.064	<0.001	27_DC
PLA2G16	<0.001	0.686	0.268	0.065	<0.001	27_DC
MS4A7	<0.001	1.481	0.266	0.070	<0.001	27_DC
LEPROT	<0.001	1.173	0.427	0.169	<0.001	27_DC
RHOB	<0.001	1.310	0.395	0.139	<0.001	27_DC
TIMP2	<0.001	0.656	0.282	0.075	<0.001	27_DC
CTSD	<0.001	1.463	0.635	0.355	<0.001	27_DC
LIPA	<0.001	1.825	0.381	0.143	<0.001	27_DC
SERTAD1	<0.001	0.757	0.296	0.085	<0.001	27_DC
VCAN	<0.001	1.582	0.445	0.185	<0.001	27_DC
LAPTM4A	<0.001	1.435	0.565	0.354	<0.001	27_DC
IFI6	<0.001	1.021	0.444	0.185	<0.001	27_DC
BEX3	<0.001	0.971	0.331	0.114	<0.001	27_DC
FABP5	<0.001	1.926	0.378	0.153	<0.001	27_DC
TNFSF10	<0.001	0.654	0.258	0.073	<0.001	27_DC
MAFB	<0.001	0.935	0.318	0.102	<0.001	27_DC
RBMS1	<0.001	0.868	0.402	0.168	<0.001	27_DC
APOL6	<0.001	0.589	0.283	0.094	<0.001	27_DC
ARID5B	<0.001	0.790	0.338	0.129	<0.001	27_DC
CD151	<0.001	0.615	0.273	0.093	<0.001	27_DC
PSAP	<0.001	1.155	0.697	0.458	<0.001	27_DC
BST2	<0.001	1.103	0.524	0.315	<0.001	27_DC
PRDX1	<0.001	1.374	0.566	0.342	<0.001	27_DC
RAB31	<0.001	0.571	0.346	0.134	<0.001	27_DC
FOSB	<0.001	1.945	0.487	0.311	<0.001	27_DC
PGRMC1	<0.001	0.626	0.266	0.098	<0.001	27_DC
DYNLL1	<0.001	0.827	0.529	0.312	<0.001	27_DC
STOM	<0.001	0.679	0.343	0.147	<0.001	27_DC
RUNX1	<0.001	0.788	0.318	0.133	<0.001	27_DC
DDAH2	<0.001	0.869	0.307	0.125	<0.001	27_DC
C1orf122	<0.001	0.617	0.278	0.105	<0.001	27_DC
RRBP1	<0.001	0.582	0.271	0.100	<0.001	27_DC
VAMP5	<0.001	0.896	0.409	0.204	<0.001	27_DC
CSTB	<0.001	1.030	0.548	0.361	<0.001	27_DC

GLUL	<0.001	1.299	0.444	0.256	<0.001	27_DC
MIDN	<0.001	0.825	0.360	0.173	<0.001	27_DC
LMO4	<0.001	0.632	0.272	0.112	<0.001	27_DC
CALM2	<0.001	0.739	0.778	0.666	<0.001	27_DC
ACTN1	<0.001	0.546	0.259	0.102	<0.001	27_DC
NINJ1	<0.001	0.880	0.325	0.147	<0.001	27_DC
GPX4	<0.001	0.780	0.658	0.535	<0.001	27_DC
CHMP5	<0.001	0.721	0.339	0.167	<0.001	27_DC
MGST3	<0.001	0.729	0.450	0.264	<0.001	27_DC
CD59	<0.001	0.746	0.276	0.121	<0.001	27_DC
DNAJA1	<0.001	0.908	0.427	0.259	<0.001	27_DC
ANXA5	<0.001	0.728	0.431	0.235	<0.001	27_DC
IFNGR2	<0.001	0.628	0.293	0.132	<0.001	27_DC
CTSZ	<0.001	0.837	0.311	0.145	<0.001	27_DC
TUBA1B	<0.001	0.510	0.636	0.417	<0.001	27_DC
MAP4K4	<0.001	0.523	0.264	0.114	<0.001	27_DC
CYB5A	<0.001	0.590	0.257	0.115	<0.001	27_DC
CEBPB	<0.001	0.868	0.462	0.291	<0.001	27_DC
VIM	<0.001	1.142	0.646	0.653	<0.001	27_DC
SQSTM1	<0.001	0.741	0.404	0.238	<0.001	27_DC
TMSB4X	<0.001	0.558	0.996	0.970	<0.001	27_DC
IFI35	<0.001	0.558	0.251	0.110	<0.001	27_DC
PLIN2	<0.001	0.954	0.287	0.141	<0.001	27_DC
ATOX1	<0.001	0.819	0.392	0.232	<0.001	27_DC
GADD45B	<0.001	1.232	0.396	0.237	<0.001	27_DC
H2AFJ	<0.001	0.723	0.410	0.246	<0.001	27_DC
SOX4	<0.001	0.704	0.319	0.159	<0.001	27_DC
TIMP1	<0.001	0.567	0.471	0.295	<0.001	27_DC
CREG1	<0.001	0.964	0.278	0.140	<0.001	27_DC
NFKBIZ	<0.001	0.907	0.314	0.169	<0.001	27_DC
SAT1	<0.001	0.893	0.671	0.553	<0.001	27_DC
TXN	<0.001	0.840	0.550	0.391	<0.001	27_DC
HSP90B1	<0.001	0.759	0.515	0.403	<0.001	27_DC
TMEM50A	<0.001	0.688	0.476	0.350	<0.001	27_DC
BNIP3L	<0.001	0.616	0.361	0.215	<0.001	27_DC
DSTN	<0.001	0.688	0.449	0.310	<0.001	27_DC
JUND	<0.001	1.289	0.566	0.485	<0.001	27_DC
ZFP36	<0.001	1.745	0.536	0.474	<0.001	27_DC
KLF4	<0.001	0.756	0.264	0.134	<0.001	27_DC
UBC	<0.001	0.552	0.803	0.847	<0.001	27_DC
ACADVL	<0.001	0.589	0.351	0.214	<0.001	27_DC
YWHAE	<0.001	0.536	0.446	0.288	<0.001	27_DC
FKBP2	<0.001	0.572	0.361	0.222	<0.001	27_DC

MS4A6A	<0.001	0.877	0.279	0.156	<0.001	27_DC
TMEM59	<0.001	0.745	0.530	0.461	<0.001	27_DC
COMT	<0.001	0.629	0.319	0.189	<0.001	27_DC
PRDX4	<0.001	0.513	0.252	0.135	<0.001	27_DC
HLA-DRB1	<0.001	0.560	0.576	0.422	<0.001	27_DC
LY6E	<0.001	0.703	0.517	0.425	<0.001	27_DC
ARF4	<0.001	0.534	0.346	0.216	<0.001	27_DC
FOS	<0.001	1.343	0.572	0.550	<0.001	27_DC
SOD2	<0.001	0.630	0.268	0.147	<0.001	27_DC
KLF10	<0.001	0.740	0.291	0.168	<0.001	27_DC
MT2A	<0.001	1.347	0.462	0.350	<0.001	27_DC
RTN4	<0.001	0.672	0.470	0.358	<0.001	27_DC
AIF1	<0.001	1.070	0.449	0.355	<0.001	27_DC
LGALS3	<0.001	0.533	0.303	0.175	<0.001	27_DC
CTNNB1	<0.001	0.588	0.329	0.204	<0.001	27_DC
RHEB	<0.001	0.538	0.360	0.236	<0.001	27_DC
BRI3	<0.001	0.701	0.303	0.183	<0.001	27_DC
WSB1	<0.001	0.612	0.382	0.268	<0.001	27_DC
ISG15	<0.001	0.739	0.365	0.250	<0.001	27_DC
HLA-DPA1	<0.001	0.629	0.513	0.387	<0.001	27_DC
ADI1	<0.001	0.864	0.282	0.183	<0.001	27_DC
MYADM	<0.001	0.654	0.291	0.186	<0.001	27_DC
SDCBP	<0.001	0.705	0.445	0.350	<0.001	27_DC
HSBP1	<0.001	0.518	0.335	0.231	<0.001	27_DC
CLTA	<0.001	0.736	0.374	0.276	<0.001	27_DC
POLR2L	<0.001	0.550	0.586	0.521	<0.001	27_DC
SNX6	<0.001	0.701	0.304	0.208	<0.001	27_DC
OSTC	<0.001	0.501	0.399	0.307	<0.001	27_DC
RAC1	<0.001	0.514	0.531	0.453	<0.001	27_DC
HLA-DPB1	<0.001	0.558	0.508	0.433	<0.001	27_DC
IRF1	<0.001	0.727	0.393	0.322	<0.001	27_DC
HLA-DMA	<0.001	0.550	0.367	0.285	<0.001	27_DC
CHCHD10	<0.001	0.598	0.357	0.282	<0.001	27_DC
JUN	<0.001	1.478	0.540	0.616	<0.001	27_DC
PEBP1	<0.001	0.534	0.444	0.384	<0.001	27_DC
AP2S1	<0.001	0.647	0.456	0.393	<0.001	27_DC
PPP1R15A	<0.001	0.609	0.425	0.387	<0.001	27_DC
POMP	<0.001	0.516	0.562	0.503	<0.001	27_DC
FCER1G	<0.001	0.622	0.382	0.322	<0.001	27_DC
MCL1	<0.001	0.611	0.452	0.410	<0.001	27_DC
CCNL1	<0.001	0.764	0.481	0.471	<0.001	27_DC
TRAM1	<0.001	0.530	0.370	0.322	<0.001	27_DC
ASAH1	<0.001	0.538	0.372	0.302	<0.001	27_DC

KLF2	<0.001	0.803	0.400	0.357	<0.001	27_DC
IGHM	<0.001	1.176	0.903	0.158	<0.001	28_Unk.1
CD79A	<0.001	1.163	0.929	0.141	<0.001	28_Unk.1
MS4A1	<0.001	1.080	0.744	0.079	<0.001	28_Unk.1
LINC00926	<0.001	0.909	0.539	0.050	<0.001	28_Unk.1
IGHD	<0.001	0.843	0.678	0.075	<0.001	28_Unk.1
TNFRSF13C	<0.001	0.795	0.506	0.053	<0.001	28_Unk.1
FCER2	<0.001	0.698	0.413	0.034	<0.001	28_Unk.1
TCL1A	<0.001	0.659	0.561	0.073	<0.001	28_Unk.1
CD22	<0.001	0.596	0.402	0.047	<0.001	28_Unk.1
BANK1	<0.001	0.615	0.439	0.061	<0.001	28_Unk.1
ADAM28	<0.001	0.612	0.395	0.052	<0.001	28_Unk.1
HLA-DQA1	<0.001	0.804	0.713	0.162	<0.001	28_Unk.1
RALGPS2	<0.001	0.593	0.419	0.063	<0.001	28_Unk.1
HLA-DQB1	<0.001	0.800	0.918	0.280	<0.001	28_Unk.1
CD74	<0.001	1.039	1.000	0.645	<0.001	28_Unk.1
NKG7	<0.001	0.627	0.974	0.310	<0.001	28_Unk.1
CCL5	<0.001	0.656	0.914	0.267	<0.001	28_Unk.1
GZMA	<0.001	0.561	0.784	0.199	<0.001	28_Unk.1
CST7	<0.001	0.543	0.870	0.245	<0.001	28_Unk.1
KLRD1	<0.001	0.567	0.609	0.140	<0.001	28_Unk.1
CD37	<0.001	0.855	0.991	0.618	<0.001	28_Unk.1
GZMH	<0.001	0.516	0.620	0.143	<0.001	28_Unk.1
GNLY	<0.001	0.704	0.704	0.194	<0.001	28_Unk.1
HLA-DPB1	<0.001	0.705	0.978	0.432	<0.001	28_Unk.1
HLA-DPA1	<0.001	0.704	0.938	0.386	<0.001	28_Unk.1
FGFBP2	<0.001	0.503	0.572	0.133	<0.001	28_Unk.1
HLA-DRA	<0.001	0.623	0.998	0.466	<0.001	28_Unk.1
HLA-DRB1	<0.001	0.642	0.949	0.422	<0.001	28_Unk.1
HLA-DMB	<0.001	0.564	0.603	0.172	<0.001	28_Unk.1
HVCN1	<0.001	0.504	0.344	0.068	<0.001	28_Unk.1
BIRC3	<0.001	0.616	0.543	0.149	<0.001	28_Unk.1
HOPX	<0.001	0.524	0.596	0.164	<0.001	28_Unk.1
PLPP5	<0.001	0.568	0.386	0.089	<0.001	28_Unk.1
CD83	<0.001	0.549	0.424	0.102	<0.001	28_Unk.1
IL4R	<0.001	0.508	0.351	0.075	<0.001	28_Unk.1
CMC1	<0.001	0.574	0.607	0.202	<0.001	28_Unk.1
MEF2C	<0.001	0.636	0.578	0.190	<0.001	28_Unk.1
LTB	<0.001	0.510	0.901	0.383	<0.001	28_Unk.1
BTG1	<0.001	0.531	0.993	0.815	<0.001	28_Unk.1
TSC22D3	<0.001	0.587	0.954	0.600	<0.001	28_Unk.1
CXCR4	<0.001	0.552	0.947	0.593	<0.001	28_Unk.1
CD52	<0.001	0.501	0.989	0.701	<0.001	28_Unk.1

STMN1	<0.001	2.112	1.000	0.229	<0.001	29_Unk.2
PCNA	<0.001	1.679	0.891	0.158	<0.001	29_Unk.2
TYMS	<0.001	1.575	0.900	0.108	<0.001	29_Unk.2
PCLAF	<0.001	1.465	0.919	0.132	<0.001	29_Unk.2
RRM2	<0.001	1.356	0.682	0.064	<0.001	29_Unk.2
UBE2C	<0.001	1.251	0.608	0.067	<0.001	29_Unk.2
MKI67	<0.001	1.216	0.752	0.072	<0.001	29_Unk.2
NUSAP1	<0.001	1.197	0.701	0.080	<0.001	29_Unk.2
CKS1B	<0.001	1.190	0.828	0.132	<0.001	29_Unk.2
PTTG1	<0.001	1.184	0.740	0.122	<0.001	29_Unk.2
TK1	<0.001	1.172	0.735	0.077	<0.001	29_Unk.2
BIRC5	<0.001	1.103	0.726	0.082	<0.001	29_Unk.2
TOP2A	<0.001	1.069	0.608	0.073	<0.001	29_Unk.2
SMC4	<0.001	1.057	0.763	0.135	<0.001	29_Unk.2
MCM7	<0.001	1.035	0.773	0.131	<0.001	29_Unk.2
ZWINT	<0.001	0.980	0.742	0.083	<0.001	29_Unk.2
MAD2L1	<0.001	0.967	0.738	0.104	<0.001	29_Unk.2
CENPM	<0.001	0.966	0.694	0.081	<0.001	29_Unk.2
CKS2	<0.001	0.931	0.731	0.126	<0.001	29_Unk.2
CENPF	<0.001	0.904	0.582	0.079	<0.001	29_Unk.2
EBP	<0.001	0.886	0.796	0.154	<0.001	29_Unk.2
CDK1	<0.001	0.869	0.575	0.062	<0.001	29_Unk.2
TMEM106C	<0.001	0.861	0.664	0.091	<0.001	29_Unk.2
H2AFX	<0.001	0.861	0.617	0.094	<0.001	29_Unk.2
SMC2	<0.001	0.826	0.664	0.100	<0.001	29_Unk.2
LMNB1	<0.001	0.816	0.687	0.111	<0.001	29_Unk.2
SH2D1A	<0.001	0.814	0.654	0.068	<0.001	29_Unk.2
ASF1B	<0.001	0.811	0.568	0.051	<0.001	29_Unk.2
CDT1	<0.001	0.791	0.596	0.078	<0.001	29_Unk.2
AURKB	<0.001	0.783	0.515	0.049	<0.001	29_Unk.2
CENPN	<0.001	0.771	0.615	0.075	<0.001	29_Unk.2
MT1E	<0.001	0.765	0.436	0.032	<0.001	29_Unk.2
CLSPN	<0.001	0.761	0.543	0.059	<0.001	29_Unk.2
SAE1	<0.001	0.753	0.668	0.108	<0.001	29_Unk.2
CENPU	<0.001	0.735	0.629	0.091	<0.001	29_Unk.2
CDKN3	<0.001	0.731	0.543	0.063	<0.001	29_Unk.2
CCNA2	<0.001	0.691	0.501	0.060	<0.001	29_Unk.2
ASPM	<0.001	0.677	0.422	0.044	<0.001	29_Unk.2
PHF19	<0.001	0.662	0.582	0.059	<0.001	29_Unk.2
EZH2	<0.001	0.653	0.594	0.083	<0.001	29_Unk.2
ACOT7	<0.001	0.650	0.571	0.062	<0.001	29_Unk.2
CDCA7	<0.001	0.631	0.531	0.059	<0.001	29_Unk.2
FBXO5	<0.001	0.618	0.455	0.047	<0.001	29_Unk.2

CDCA5	<0.001	0.590	0.450	0.046	<0.001	29_Unk.2
SPC25	<0.001	0.575	0.429	0.036	<0.001	29_Unk.2
CDKN2A	<0.001	0.551	0.404	0.018	<0.001	29_Unk.2
WDR76	<0.001	0.535	0.476	0.053	<0.001	29_Unk.2
GTSE1	<0.001	0.526	0.392	0.033	<0.001	29_Unk.2
DUSP4	<0.001	0.502	0.316	0.020	<0.001	29_Unk.2
KIFC1	<0.001	0.500	0.383	0.033	<0.001	29_Unk.2
GMNN	<0.001	0.688	0.589	0.086	<0.001	29_Unk.2
C12orf75	<0.001	1.089	0.937	0.215	<0.001	29_Unk.2
CCDC167	<0.001	0.897	0.754	0.142	<0.001	29_Unk.2
CENPW	<0.001	0.742	0.638	0.101	<0.001	29_Unk.2
SKA2	<0.001	0.792	0.689	0.119	<0.001	29_Unk.2
GGH	<0.001	0.666	0.564	0.081	<0.001	29_Unk.2
DTYMK	<0.001	0.746	0.666	0.110	<0.001	29_Unk.2
DNAJC9	<0.001	0.938	0.759	0.143	<0.001	29_Unk.2
HIRIP3	<0.001	0.563	0.513	0.069	<0.001	29_Unk.2
GZMA	<0.001	1.551	0.854	0.199	<0.001	29_Unk.2
TUBB	<0.001	1.847	0.974	0.319	<0.001	29_Unk.2
HELLS	<0.001	0.631	0.531	0.075	<0.001	29_Unk.2
UBE2T	<0.001	0.662	0.510	0.071	<0.001	29_Unk.2
DDX39A	<0.001	0.941	0.840	0.191	<0.001	29_Unk.2
TUBA1B	<0.001	2.033	0.995	0.417	<0.001	29_Unk.2
GINS2	<0.001	0.602	0.494	0.068	<0.001	29_Unk.2
NUF2	<0.001	0.529	0.406	0.048	<0.001	29_Unk.2
RAD51AP1	<0.001	0.615	0.476	0.065	<0.001	29_Unk.2
CARHSP1	<0.001	0.947	0.840	0.195	<0.001	29_Unk.2
DHFR	<0.001	0.625	0.578	0.091	<0.001	29_Unk.2
LIG1	<0.001	0.564	0.492	0.069	<0.001	29_Unk.2
RPA3	<0.001	0.942	0.849	0.201	<0.001	29_Unk.2
TPX2	<0.001	0.576	0.448	0.059	<0.001	29_Unk.2
SPC24	<0.001	0.505	0.390	0.046	<0.001	29_Unk.2
DEK	<0.001	1.156	0.968	0.329	<0.001	29_Unk.2
CENPH	<0.001	0.630	0.615	0.105	<0.001	29_Unk.2
USP1	<0.001	0.730	0.717	0.145	<0.001	29_Unk.2
MCM3	<0.001	0.786	0.606	0.108	<0.001	29_Unk.2
FABP5	<0.001	1.130	0.719	0.153	<0.001	29_Unk.2
IDH2	<0.001	1.074	0.856	0.229	<0.001	29_Unk.2
FEN1	<0.001	0.646	0.534	0.085	<0.001	29_Unk.2
RRM1	<0.001	0.628	0.545	0.089	<0.001	29_Unk.2
HIST1H4C	<0.001	1.532	0.821	0.209	<0.001	29_Unk.2
MCM5	<0.001	0.794	0.626	0.118	<0.001	29_Unk.2
CCNB2	<0.001	0.685	0.471	0.069	<0.001	29_Unk.2
NUDT1	<0.001	0.782	0.798	0.189	<0.001	29_Unk.2

NASP	<0.001	0.983	0.819	0.209	<0.001	29_Unk.2
DUT	<0.001	1.329	0.921	0.324	<0.001	29_Unk.2
H2AFZ	<0.001	1.391	0.979	0.441	<0.001	29_Unk.2
CENPK	<0.001	0.587	0.550	0.094	<0.001	29_Unk.2
JPT1	<0.001	1.036	0.858	0.240	<0.001	29_Unk.2
RFC4	<0.001	0.531	0.499	0.080	<0.001	29_Unk.2
ANP32E	<0.001	0.979	0.824	0.218	<0.001	29_Unk.2
KIF22	<0.001	0.701	0.668	0.136	<0.001	29_Unk.2
H2AFV	<0.001	1.145	0.956	0.359	<0.001	29_Unk.2
CFL1	<0.001	1.067	1.000	0.837	<0.001	29_Unk.2
APOBEC3G	<0.001	0.713	0.666	0.132	<0.001	29_Unk.2
PFN1	<0.001	1.172	1.000	0.889	<0.001	29_Unk.2
ATAD2	<0.001	0.559	0.480	0.077	<0.001	29_Unk.2
CCDC28B	<0.001	0.521	0.490	0.080	<0.001	29_Unk.2
XCL2	<0.001	0.703	0.418	0.055	<0.001	29_Unk.2
TAP1	<0.001	0.694	0.673	0.138	<0.001	29_Unk.2
KPNA2	<0.001	0.721	0.573	0.108	<0.001	29_Unk.2
DNMT1	<0.001	0.758	0.703	0.163	<0.001	29_Unk.2
GBP1	<0.001	0.514	0.415	0.059	<0.001	29_Unk.2
EIF4A3	<0.001	0.696	0.657	0.145	<0.001	29_Unk.2
MT2A	<0.001	1.293	0.937	0.349	<0.001	29_Unk.2
PRF1	<0.001	0.730	0.696	0.141	<0.001	29_Unk.2
HMGN2	<0.001	1.235	0.995	0.654	<0.001	29_Unk.2
YEATS4	<0.001	0.619	0.631	0.131	<0.001	29_Unk.2
ARPC5L	<0.001	0.772	0.833	0.226	<0.001	29_Unk.2
TMPO	<0.001	0.701	0.710	0.168	<0.001	29_Unk.2
ACTB	<0.001	1.092	1.000	0.982	<0.001	29_Unk.2
CDC25B	<0.001	0.552	0.603	0.117	<0.001	29_Unk.2
SLBP	<0.001	0.819	0.735	0.187	<0.001	29_Unk.2
ANXA6	<0.001	0.793	0.854	0.235	<0.001	29_Unk.2
HSPB11	<0.001	0.800	0.735	0.190	<0.001	29_Unk.2
HMGB2	<0.001	1.453	0.984	0.594	<0.001	29_Unk.2
IFI16	<0.001	0.849	0.835	0.233	<0.001	29_Unk.2
PSMB9	<0.001	1.058	0.949	0.370	<0.001	29_Unk.2
CDCA4	<0.001	0.537	0.501	0.090	<0.001	29_Unk.2
CALM3	<0.001	1.027	0.926	0.371	<0.001	29_Unk.2
PSMB8	<0.001	0.952	0.896	0.311	<0.001	29_Unk.2
PMVK	<0.001	0.504	0.571	0.115	<0.001	29_Unk.2
CBX5	<0.001	0.562	0.615	0.133	<0.001	29_Unk.2
TUBB4B	<0.001	1.005	0.756	0.205	<0.001	29_Unk.2
YWHAQ	<0.001	0.958	0.937	0.366	<0.001	29_Unk.2
FDPS	<0.001	0.683	0.763	0.200	<0.001	29_Unk.2
CDC20	<0.001	0.587	0.378	0.056	<0.001	29_Unk.2

CORO1A	<0.001	1.163	0.981	0.635	<0.001	29_Unk.2
HPRT1	<0.001	0.655	0.731	0.184	<0.001	29_Unk.2
HNRNPA2B1	<0.001	0.940	0.993	0.683	<0.001	29_Unk.2
CDK2AP2	<0.001	0.612	0.668	0.155	<0.001	29_Unk.2
HMGB1	<0.001	1.070	1.000	0.772	<0.001	29_Unk.2
SMC3	<0.001	0.718	0.731	0.192	<0.001	29_Unk.2
CACYBP	<0.001	0.782	0.821	0.246	<0.001	29_Unk.2
RALY	<0.001	0.792	0.896	0.296	<0.001	29_Unk.2
PPIA	<0.001	0.957	0.998	0.726	<0.001	29_Unk.2
PSMB2	<0.001	0.787	0.805	0.247	<0.001	29_Unk.2
RAN	<0.001	1.018	0.954	0.421	<0.001	29_Unk.2
RBBP7	<0.001	0.682	0.784	0.218	<0.001	29_Unk.2
SNRNP25	<0.001	0.579	0.601	0.135	<0.001	29_Unk.2
ACAA2	<0.001	0.546	0.592	0.133	<0.001	29_Unk.2
BUB3	<0.001	0.765	0.842	0.260	<0.001	29_Unk.2
ITGB3BP	<0.001	0.564	0.550	0.117	<0.001	29_Unk.2
NUDT21	<0.001	0.564	0.664	0.163	<0.001	29_Unk.2
GZMH	<0.001	0.765	0.650	0.143	<0.001	29_Unk.2
PPP1CA	<0.001	0.893	0.954	0.449	<0.001	29_Unk.2
TMEM109	<0.001	0.565	0.624	0.147	<0.001	29_Unk.2
GAPDH	<0.001	1.002	0.998	0.826	<0.001	29_Unk.2
SLC9A3R1	<0.001	0.574	0.682	0.165	<0.001	29_Unk.2
HAT1	<0.001	0.574	0.659	0.163	<0.001	29_Unk.2
CD247	<0.001	0.642	0.803	0.206	<0.001	29_Unk.2
LDHA	<0.001	0.998	0.958	0.465	<0.001	29_Unk.2
HNRNPF	<0.001	0.908	0.882	0.334	<0.001	29_Unk.2
MRPL51	<0.001	0.690	0.789	0.237	<0.001	29_Unk.2
SSRP1	<0.001	0.626	0.664	0.169	<0.001	29_Unk.2
PSME2	<0.001	0.953	0.937	0.426	<0.001	29_Unk.2
HDAC1	<0.001	0.621	0.745	0.210	<0.001	29_Unk.2
GIMAP4	<0.001	0.632	0.613	0.138	<0.001	29_Unk.2
NUDT5	<0.001	0.505	0.615	0.148	<0.001	29_Unk.2
CALM1	<0.001	0.937	0.988	0.657	<0.001	29_Unk.2
RPA2	<0.001	0.546	0.650	0.161	<0.001	29_Unk.2
TXNDC17	<0.001	0.617	0.673	0.182	<0.001	29_Unk.2
TACC3	<0.001	0.504	0.503	0.106	<0.001	29_Unk.2
SNRPB	<0.001	0.859	0.949	0.439	<0.001	29_Unk.2
CENPX	<0.001	0.627	0.675	0.178	<0.001	29_Unk.2
SLC25A5	<0.001	0.943	0.921	0.440	<0.001	29_Unk.2
COX8A	<0.001	0.870	0.974	0.561	<0.001	29_Unk.2
PSMA5	<0.001	0.683	0.738	0.222	<0.001	29_Unk.2
RAD21	<0.001	0.751	0.777	0.240	<0.001	29_Unk.2
ARHGDIB	<0.001	0.871	0.988	0.750	<0.001	29_Unk.2

PSMD14	<0.001	0.523	0.606	0.148	<0.001	29_Unk.2
RANBP1	<0.001	0.889	0.875	0.331	<0.001	29_Unk.2
UBE2S	<0.001	0.758	0.459	0.093	<0.001	29_Unk.2
ARPC2	<0.001	0.837	0.995	0.701	<0.001	29_Unk.2
GZMK	<0.001	0.713	0.425	0.075	<0.001	29_Unk.2
CD99	<0.001	0.881	0.972	0.477	<0.001	29_Unk.2
ITGB1BP1	<0.001	0.514	0.643	0.164	<0.001	29_Unk.2
WDR1	<0.001	0.742	0.791	0.265	<0.001	29_Unk.2
HOPX	<0.001	0.779	0.657	0.164	<0.001	29_Unk.2
NUCKS1	<0.001	0.789	0.900	0.326	<0.001	29_Unk.2
RGS1	<0.001	0.707	0.545	0.121	<0.001	29_Unk.2
IL2RG	<0.001	0.622	0.884	0.274	<0.001	29_Unk.2
LSM4	<0.001	0.782	0.842	0.296	<0.001	29_Unk.2
ANP32B	<0.001	0.876	0.961	0.480	<0.001	29_Unk.2
UFD1	<0.001	0.503	0.680	0.182	<0.001	29_Unk.2
SYNE2	<0.001	0.541	0.580	0.128	<0.001	29_Unk.2
ACTG1	<0.001	1.188	0.984	0.747	<0.001	29_Unk.2
RAC2	<0.001	0.886	0.951	0.442	<0.001	29_Unk.2
PPP1R18	<0.001	0.528	0.731	0.197	<0.001	29_Unk.2
ITM2A	<0.001	0.847	0.705	0.211	<0.001	29_Unk.2
PPM1G	<0.001	0.658	0.731	0.225	<0.001	29_Unk.2
TPM4	<0.001	0.561	0.661	0.177	<0.001	29_Unk.2
PDCD5	<0.001	0.577	0.691	0.198	<0.001	29_Unk.2
CRIP1	<0.001	0.774	0.852	0.277	<0.001	29_Unk.2
VDAC3	<0.001	0.602	0.729	0.213	<0.001	29_Unk.2
ENO1	<0.001	0.926	0.942	0.473	<0.001	29_Unk.2
RNF167	<0.001	0.508	0.687	0.190	<0.001	29_Unk.2
SIVA1	<0.001	0.741	0.889	0.331	<0.001	29_Unk.2
CBX3	<0.001	0.720	0.879	0.341	<0.001	29_Unk.2
CCT5	<0.001	0.583	0.677	0.192	<0.001	29_Unk.2
PSMD8	<0.001	0.670	0.821	0.293	<0.001	29_Unk.2
DCTN3	<0.001	0.675	0.805	0.272	<0.001	29_Unk.2
HINT2	<0.001	0.513	0.684	0.193	<0.001	29_Unk.2
PSMC3	<0.001	0.541	0.719	0.210	<0.001	29_Unk.2
CYTOR	<0.001	0.600	0.719	0.211	<0.001	29_Unk.2
CCL4	<0.001	1.095	0.580	0.141	<0.001	29_Unk.2
PTMA	<0.001	0.650	1.000	0.977	<0.001	29_Unk.2
TUBA4A	<0.001	0.533	0.710	0.206	<0.001	29_Unk.2
PGAM1	<0.001	0.752	0.863	0.338	<0.001	29_Unk.2
ILF2	<0.001	0.597	0.763	0.236	<0.001	29_Unk.2
HNRNPR	<0.001	0.665	0.838	0.299	<0.001	29_Unk.2
SMS	<0.001	0.570	0.722	0.218	<0.001	29_Unk.2
NDUFA12	<0.001	0.653	0.838	0.304	<0.001	29_Unk.2

CCNB1	<0.001	0.502	0.332	0.057	<0.001	29_Unk.2
PSIP1	<0.001	0.628	0.807	0.270	<0.001	29_Unk.2
CHCHD2	<0.001	0.736	0.979	0.681	<0.001	29_Unk.2
TUBA1C	<0.001	0.605	0.548	0.138	<0.001	29_Unk.2
NKG7	<0.001	0.748	0.882	0.310	<0.001	29_Unk.2
YWHAH	<0.001	0.549	0.724	0.218	<0.001	29_Unk.2
ANXA2	<0.001	0.788	0.838	0.300	<0.001	29_Unk.2
DBI	<0.001	0.729	0.949	0.427	<0.001	29_Unk.2
ARL6IP1	<0.001	0.911	0.824	0.295	<0.001	29_Unk.2
PDIA6	<0.001	0.649	0.826	0.293	<0.001	29_Unk.2
ARPC5	<0.001	0.789	0.912	0.439	<0.001	29_Unk.2
MDH1	<0.001	0.586	0.689	0.214	<0.001	29_Unk.2
IL32	<0.001	1.116	0.847	0.383	<0.001	29_Unk.2
HSP90AA1	<0.001	0.817	0.988	0.635	<0.001	29_Unk.2
TPI1	<0.001	0.834	0.940	0.474	<0.001	29_Unk.2
PARK7	<0.001	0.763	0.916	0.430	<0.001	29_Unk.2
SRP9	<0.001	0.667	0.903	0.364	<0.001	29_Unk.2
SNRPG	<0.001	0.771	0.900	0.397	<0.001	29_Unk.2
POLR2G	<0.001	0.546	0.768	0.251	<0.001	29_Unk.2
CLIC1	<0.001	0.803	0.958	0.529	<0.001	29_Unk.2
PSMA4	<0.001	0.769	0.905	0.397	<0.001	29_Unk.2
UBE2L3	<0.001	0.664	0.889	0.365	<0.001	29_Unk.2
CTSC	<0.001	0.552	0.726	0.226	<0.001	29_Unk.2
LCK	<0.001	0.609	0.754	0.229	<0.001	29_Unk.2
HNRNPA3	<0.001	0.735	0.954	0.504	<0.001	29_Unk.2
NDUFB3	<0.001	0.567	0.733	0.243	<0.001	29_Unk.2
NDUFA6	<0.001	0.587	0.828	0.296	<0.001	29_Unk.2
DECR1	<0.001	0.519	0.689	0.212	<0.001	29_Unk.2
LSM3	<0.001	0.626	0.886	0.354	<0.001	29_Unk.2
BANF1	<0.001	0.646	0.796	0.281	<0.001	29_Unk.2
COX6C	<0.001	0.690	0.977	0.646	<0.001	29_Unk.2
APOBEC3C	<0.001	0.548	0.617	0.178	<0.001	29_Unk.2
PSMA2	<0.001	0.630	0.803	0.300	<0.001	29_Unk.2
HNRNPAB	<0.001	0.516	0.624	0.178	<0.001	29_Unk.2
TMSB4X	<0.001	0.635	0.998	0.970	<0.001	29_Unk.2
CLTA	<0.001	0.549	0.784	0.275	<0.001	29_Unk.2
CTSW	<0.001	0.738	0.789	0.282	<0.001	29_Unk.2
CCT7	<0.001	0.509	0.722	0.231	<0.001	29_Unk.2
ANAPC11	<0.001	0.629	0.840	0.321	<0.001	29_Unk.2
MZT2A	<0.001	0.667	0.824	0.328	<0.001	29_Unk.2
ATP1B3	<0.001	0.547	0.740	0.250	<0.001	29_Unk.2
PSMA3	<0.001	0.560	0.698	0.233	<0.001	29_Unk.2
CAPZB	<0.001	0.687	0.914	0.455	<0.001	29_Unk.2

COX5A	<0.001	0.689	0.870	0.380	<0.001	29_Unk.2
LYAR	<0.001	0.579	0.710	0.229	<0.001	29_Unk.2
SEM1	<0.001	0.656	0.812	0.327	<0.001	29_Unk.2
ATP5MC3	<0.001	0.706	0.912	0.446	<0.001	29_Unk.2
SNRPD1	<0.001	0.661	0.872	0.363	<0.001	29_Unk.2
TRDC	<0.001	0.916	0.348	0.070	<0.001	29_Unk.2
UBE2N	<0.001	0.567	0.747	0.272	<0.001	29_Unk.2
MYL6	<0.001	0.574	0.993	0.836	<0.001	29_Unk.2
GIMAP7	<0.001	0.525	0.619	0.176	<0.001	29_Unk.2
CNN2	<0.001	0.714	0.677	0.242	<0.001	29_Unk.2
ERH	<0.001	0.664	0.905	0.452	<0.001	29_Unk.2
PPP4C	<0.001	0.529	0.777	0.290	<0.001	29_Unk.2
MAZ	<0.001	0.516	0.603	0.186	<0.001	29_Unk.2
CCL5	<0.001	0.674	0.784	0.267	<0.001	29_Unk.2
XRCC6	<0.001	0.580	0.819	0.323	<0.001	29_Unk.2
SUB1	<0.001	0.767	0.984	0.705	<0.001	29_Unk.2
ATP5F1B	<0.001	0.678	0.877	0.395	<0.001	29_Unk.2
SNRPD3	<0.001	0.536	0.766	0.279	<0.001	29_Unk.2
CAP1	<0.001	0.630	0.863	0.382	<0.001	29_Unk.2
PSMC5	<0.001	0.531	0.777	0.289	<0.001	29_Unk.2
LCP1	<0.001	0.605	0.912	0.419	<0.001	29_Unk.2
COX6A1	<0.001	0.643	0.956	0.556	<0.001	29_Unk.2
ARHGDIA	<0.001	0.583	0.849	0.354	<0.001	29_Unk.2
HSPA8	<0.001	0.787	0.912	0.489	<0.001	29_Unk.2
ARPC4	<0.001	0.623	0.877	0.390	<0.001	29_Unk.2
PSMB6	<0.001	0.518	0.835	0.324	<0.001	29_Unk.2
XRCC5	<0.001	0.569	0.787	0.300	<0.001	29_Unk.2
CD47	<0.001	0.556	0.821	0.321	<0.001	29_Unk.2
SRSF3	<0.001	0.661	0.968	0.571	<0.001	29_Unk.2
ACTR3	<0.001	0.714	0.800	0.366	<0.001	29_Unk.2
HMGA1	<0.001	0.529	0.724	0.246	<0.001	29_Unk.2
HLA-A	<0.001	0.559	1.000	0.912	<0.001	29_Unk.2
MZT2B	<0.001	0.636	0.933	0.467	<0.001	29_Unk.2
CALR	<0.001	0.714	0.875	0.425	<0.001	29_Unk.2
VDAC1	<0.001	0.514	0.749	0.282	<0.001	29_Unk.2
HNRNPD	<0.001	0.558	0.759	0.295	<0.001	29_Unk.2
PSMA7	<0.001	0.623	0.949	0.541	<0.001	29_Unk.2
SRSF10	<0.001	0.533	0.777	0.292	<0.001	29_Unk.2
SNRPF	<0.001	0.630	0.868	0.400	<0.001	29_Unk.2
PA2G4	<0.001	0.566	0.835	0.341	<0.001	29_Unk.2
PAXX	<0.001	0.522	0.787	0.294	<0.001	29_Unk.2
ITGB2	<0.001	0.560	0.942	0.415	<0.001	29_Unk.2
PKM	<0.001	0.667	0.817	0.354	<0.001	29_Unk.2

GZMB	<0.001	0.840	0.522	0.151	<0.001	29_Unk.2
NUCB2	<0.001	0.575	0.717	0.254	<0.001	29_Unk.2
EIF3I	<0.001	0.514	0.773	0.302	<0.001	29_Unk.2
SRSF2	<0.001	0.620	0.912	0.459	<0.001	29_Unk.2
PSMB3	<0.001	0.554	0.900	0.436	<0.001	29_Unk.2
HMGN1	<0.001	0.596	0.977	0.572	<0.001	29_Unk.2
ARPC1B	<0.001	0.641	0.877	0.459	<0.001	29_Unk.2
TRBC2	<0.001	0.586	0.810	0.304	<0.001	29_Unk.2
ANXA5	<0.001	0.512	0.671	0.235	<0.001	29_Unk.2
TRAPPC1	<0.001	0.532	0.905	0.428	<0.001	29_Unk.2
UBB	<0.001	0.783	1.000	0.763	<0.001	29_Unk.2
RBM8A	<0.001	0.529	0.870	0.381	<0.001	29_Unk.2
SUMO2	<0.001	0.556	0.986	0.656	<0.001	29_Unk.2
CD8A	<0.001	0.559	0.429	0.113	<0.001	29_Unk.2
ATP5MF	<0.001	0.577	0.935	0.487	<0.001	29_Unk.2
POMP	<0.001	0.548	0.940	0.502	<0.001	29_Unk.2
PSME1	<0.001	0.580	0.961	0.645	<0.001	29_Unk.2
KLRD1	<0.001	0.562	0.487	0.141	<0.001	29_Unk.2
UCP2	<0.001	0.549	0.849	0.382	<0.001	29_Unk.2
SEPTIN7	<0.001	0.558	0.963	0.534	<0.001	29_Unk.2
ATP5F1C	<0.001	0.506	0.831	0.370	<0.001	29_Unk.2
CAPZA1	<0.001	0.515	0.761	0.326	<0.001	29_Unk.2
SLC25A3	<0.001	0.567	0.875	0.466	<0.001	29_Unk.2
ATP5PF	<0.001	0.519	0.865	0.423	<0.001	29_Unk.2
TXN	<0.001	0.563	0.835	0.391	<0.001	29_Unk.2
ATP5F1A	<0.001	0.524	0.828	0.374	<0.001	29_Unk.2
LY6E	<0.001	0.558	0.886	0.424	<0.001	29_Unk.2
PSMB1	<0.001	0.507	0.898	0.456	<0.001	29_Unk.2
YBX1	<0.001	0.501	0.993	0.786	<0.001	29_Unk.2
MYL12B	<0.001	0.552	0.954	0.617	<0.001	29_Unk.2
DYNLL1	<0.001	0.565	0.735	0.312	<0.001	29_Unk.2
SRSF7	<0.001	0.518	0.896	0.475	<0.001	29_Unk.2
COTL1	<0.001	0.885	0.782	0.454	<0.001	29_Unk.2
NDUFB2	<0.001	0.510	0.903	0.462	<0.001	29_Unk.2
SET	<0.001	0.604	0.872	0.440	<0.001	29_Unk.2
PTGES3	<0.001	0.542	0.893	0.471	<0.001	29_Unk.2
YWHAB	<0.001	0.519	0.898	0.497	<0.001	29_Unk.2
SERBP1	<0.001	0.513	0.858	0.406	<0.001	29_Unk.2
PDIA3	<0.001	0.514	0.849	0.404	<0.001	29_Unk.2
HLA-C	<0.001	0.526	1.000	0.894	<0.001	29_Unk.2
LSP1	<0.001	0.504	0.921	0.473	<0.001	29_Unk.2
PPIB	<0.001	0.518	0.893	0.492	<0.001	29_Unk.2
SNRPE	<0.001	0.504	0.840	0.394	<0.001	29_Unk.2

S100A10	<0.001	0.504	0.958	0.530	<0.001	29_Unk.2
LDHB	<0.001	0.574	0.903	0.527	<0.001	29_Unk.2
TRAC	<0.001	0.563	0.710	0.313	<0.001	29_Unk.2
GNLY	<0.001	0.832	0.520	0.194	<0.001	29_Unk.2
CD3D	<0.001	0.596	0.698	0.337	<0.001	29_Unk.2
VIM	<0.001	0.556	0.949	0.652	<0.001	29_Unk.2
EIF5A	<0.001	0.545	0.852	0.476	<0.001	29_Unk.2
KLRF1	<0.001	0.576	0.320	0.090	<0.001	29_Unk.2
CALM2	<0.001	0.508	0.979	0.666	<0.001	29_Unk.2
PRDX1	<0.001	0.519	0.677	0.342	<0.001	29_Unk.2
CCL3	<0.001	0.668	0.297	0.097	<0.001	29_Unk.2

Table SVI. Marker genes for manual annotation of immune cell types

Cell type	Marker gene						
HSC	*CD34*	*CRHBP*					
Eryth	*GATA1*	*KLF1*	*CA1*	*HBB*			
Mega/Plate	*PF4*	*ITGA2B*	*PPBP*				
Gran	*MPO*	*ELANE*	*CTSG*	*PRTN3*			
Mono	*CD14*	*FCGR3A*	*LYZ*	*MS4A7*	*MS4A6A*	*ANXA2*	
DC	*FCER1A*	*CST3*	*MPEG1*	*IGKC*			
B cells	*MS4A1*	*IGHD*	*IGHM*	*CD79A*	*CD79B*	*CD19*	
Plasma	*IGHA1*	*IGHG1*					
T cells	*CD3D*	*CD3E*	*CD3G*	*CD4*	*CD8A*	*CD8B*	*IL7R*
CD4 T	*CD4*	*IL7R*	*CCR7*	*FOXP3*			
CD8 T	*CD8A*	*CD8B*	*SELL*	*KLRG1*	*GZMB*	*GZMK*	
NKT	*CD3E*	*CD3D*	*CD3G*	*NKG7*	*GNLY*		
NK	*GNLY*	*NKG7*					

HSC, hemopoietic stem cell; Eryth, erythrocytes; Mega, megakaryocyte; Plate, platelet; Gran, granulocyte; Mono, monocyte; DC, dendritic cell; NK, natural killer.

Table SVII. Numbers of cells expressing XIST gene in the X-SCID patient

Sample	XIST_ON	XIST_OFF	Total
PatientBMMNC_rep1	2,303	4,299	6,602
PatientBMMNC_rep2	2,599	5,360	7,959
Total	4,902	9,659	14,561

X-SCID, X-linked severe combined immunodeficiency.

Table SVIII. Discrimination of the cell sources of the X-SCID patient BMMNCs

Barcode	Source
rep1_CATTGCCGTACCAATC-1	Other
rep2_TATATCCCACTCCGGA-1	Other
rep1_CATAAGCAGGGCAAGG-1	Other
rep1_CTCCGATTCTCGACCT-1	Other
rep1_GAGGCAATCTAGCATG-1	Other
rep1_GTAACCACAAATACAG-1	Other
rep1_TACTTCACAATGCTCA-1	Other
rep1_TCTACATCATATCTCT-1	Other
rep1_TCTGGCTGTACTTCCC-1	Other
rep2_AGGCCACTCGTTTACT-1	Other
rep2_CGAGTGCGTTCAAACC-1	Other
rep2_GAATCACCAAGCTACT-1	Other
rep2_GCCATGGAGGTTAAAC-1	Other
rep2_GGAGGTACATATCGGT-1	Other
rep2_GTTGTGATCACAGAGG-1	Other
rep2_TGGGATTAGCTGACCC-1	Other
rep2_TTGAACGTCGTTCATT-1	Other
rep1_AAACCCAAGATCGGTG-1	Autologous
rep1_AAACCCAAGTCAGCGA-1	Autologous
rep1_AAACCCAAGTGCTACT-1	Autologous
rep1_AAACCCACAAGGTACG-1	Maternal
rep1_AAACCCAGTCGAGCTC-1	Autologous
rep1_AAACCCAGTTCTTAGG-1	Maternal
rep1_AAACCCATCAGAGTGG-1	Autologous
rep1_AAACGAAAGCATACTC-1	Maternal
rep1_AAACGAAAGCTGCCTG-1	Autologous
rep1_AAACGAAAGGTTACCT-1	Maternal
rep1_AAACGAACATACTGTG-1	Autologous
rep1_AAACGAATCATGTCTT-1	Autologous
rep1_AAACGAATCGGTAGAG-1	Maternal
rep1_AAACGAATCGTCCATC-1	Autologous
rep1_AAACGCTAGGTTGGTG-1	Maternal
rep1_AAACGCTCAAATAAGC-1	Autologous
rep1_AAACGCTCACAAATGA-1	Autologous
rep1_AAACGCTCATGCCATA-1	Maternal
rep1_AAACGCTTCTTCACAT-1	Maternal
rep1_AAAGAACCACTAGAGG-1	Autologous
rep1_AAAGAACCAGACCATT-1	Autologous
rep1_AAAGAACCATCTCAAG-1	Maternal
rep1_AAAGAACTCACATACG-1	Autologous
rep1_AAAGAACTCGAACGCC-1	Maternal

rep1_AAAGGATCAAGGTCTT-1	Autologous
rep1_AAAGGATCACGACGCT-1	Maternal
rep1_AAAGGATTCCCGAGGT-1	Autologous
rep1_AAAGGATTCGTACCTC-1	Autologous
rep1_AAAGGGCAGATTAGAC-1	Autologous
rep1_AAAGGGCAGCAAGGAA-1	Autologous
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rep1_AAAGTGACAAGAGATT-1	Autologous
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rep1_ACCCAAAAGCCTCTGG-1	Autologous
rep1_ACCCAAAAGCGTACAG-1	Maternal
rep1_ACCCAAAAGTGGTGGT-1	Autologous
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rep1_ACCCAAATCACTGCTC-1	Autologous
rep1_ACCCTCAAGAGTCAAT-1	Maternal
rep1_ACCCTCAAGTCTAGAA-1	Autologous
rep1_ACCCTCACACATAGCT-1	Maternal
rep1_ACCCTCAGTCTGTGAT-1	Autologous
rep1_ACCCTCAGTGTTGAGG-1	Maternal
rep1_ACCCTCATCAAACGTC-1	Maternal
rep1_ACCCTCATCTCAACGA-1	Maternal
rep1_ACCCTTGAGACTTAAG-1	Maternal
rep1_ACCCTTGAGGGAGAAT-1	Autologous
rep1_ACCCTTGAGTCGCTAT-1	Autologous
rep1_ACCCTTGCAGGCCTGT-1	Autologous

rep1_ACCCTTGCATCTAGAC-1	Autologous
rep1_ACCCTTGGTCAATGGG-1	Autologous
rep1_ACCCTTGGTCGATTAC-1	Autologous
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rep1_ACCCTTGGTGGTACAG-1	Autologous
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rep1_AGGAAATAGTGAGTTA-1	Autologous
rep1_AGGAAATAGTTGAAGT-1	Autologous
rep1_AGGAAATAGTTGGGAC-1	Autologous
rep1_AGGAAATCAACCAGAG-1	Autologous
rep1_AGGAAATCAGCAAGAC-1	Maternal
rep1_AGGAAATCATAGGTTC-1	Autologous
rep1_AGGAAATTCATCCCGT-1	Autologous
rep1_AGGAAATTCCTTACCG-1	Autologous
rep1_AGGAATAAGTGCAACG-1	Autologous
rep1_AGGAATACAGTTGTCA-1	Maternal
rep1_AGGAATAGTATGAGGC-1	Autologous
rep1_AGGACGAAGCATAGGC-1	Autologous
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rep1_AGGACGAGTGAGCAGT-1	Maternal
rep1_AGGACGATCTCTGCCA-1	Autologous
rep1_AGGACTTAGTCATAGA-1	Autologous
rep1_AGGACTTAGTGGATAT-1	Maternal
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rep1_AGGACTTTCAAGCCGC-1	Autologous
rep1_AGGACTTTCCAGCCTT-1	Maternal
rep1_AGGACTTTCGGTGTTA-1	Autologous
rep1_AGGACTTTCTCATGGA-1	Autologous
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rep1_AGGAGGTGTCGGATTT-1	Autologous

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rep1_ATCGTCCAGGACAACC-1	Autologous
rep1_ATCGTCCGTAAGTTAG-1	Maternal
rep1_ATCGTCCGTAATACCC-1	Autologous

rep1_ATCGTCCGTAATGTGA-1	Autologous
rep1_ATCGTCCGTAGCGATG-1	Autologous
rep1_ATCGTCCGTCCAGTTA-1	Maternal
rep1_ATCGTCCGTGGTACAG-1	Maternal
rep1_ATCGTCCTCAAATAGG-1	Maternal
rep1_ATCGTCCTCCACGTAA-1	Maternal
rep1_ATCGTGAAGGACACTG-1	Autologous
rep1_ATCGTGACAAGTGACG-1	Maternal
rep1_ATCGTGACAGCTTCCT-1	Maternal
rep1_ATCGTGAGTCCAAAGG-1	Autologous
rep1_ATCGTGAGTTCTCCAC-1	Maternal
rep1_ATCGTGAGTTGCCGAC-1	Autologous
rep1_ATCGTGAGTTGGGCCT-1	Autologous
rep1_ATCGTGATCTTGGAAC-1	Maternal
rep1_ATCTCTAAGAAACCCG-1	Maternal
rep1_ATCTCTAAGCTCTATG-1	Autologous
rep1_ATCTCTAAGGCTGGAT-1	Autologous
rep1_ATCTCTACAGACGATG-1	Autologous
rep1_ATCTCTAGTCTGTTAG-1	Maternal
rep1_ATCTCTATCTATACGG-1	Autologous
rep1_ATCTCTATCTCCCATG-1	Autologous
rep1_ATCTTCAAGAAACCCG-1	Maternal
rep1_ATCTTCACAGATACTC-1	Autologous
rep1_ATCTTCACAGTAGAAT-1	Autologous
rep1_ATCTTCAGTGATCGTT-1	Autologous
rep1_ATCTTCAGTTTACGAC-1	Autologous
rep1_ATGAAAGAGAACTGAT-1	Autologous
rep1_ATGAAAGAGGAGATAG-1	Autologous
rep1_ATGAAAGCAAGGCAAC-1	Autologous
rep1_ATGAAAGGTAATGCTC-1	Autologous
rep1_ATGAAAGTCAAGCGTT-1	Autologous
rep1_ATGAAAGTCTGTCGCT-1	Maternal
rep1_ATGACCAAGTACTCGT-1	Autologous
rep1_ATGACCAGTATTTCGG-1	Autologous
rep1_ATGACCAGTGTCATGT-1	Autologous
rep1_ATGACCAGTTGCCTAA-1	Autologous
rep1_ATGAGGGCAAGAGATT-1	Maternal
rep1_ATGAGGGCAAGGCAAC-1	Autologous
rep1_ATGAGGGGTGTATACC-1	Autologous
rep1_ATGAGTCAGAGTCCGA-1	Autologous
rep1_ATGAGTCAGATAGCAT-1	Maternal
rep1_ATGAGTCAGCTGGAGT-1	Autologous
rep1_ATGAGTCCAACACGTT-1	Autologous
rep1_ATGAGTCCAACACTAC-1	Maternal

rep1_ATGAGTCCACTATCGA-1	Autologous
rep1_ATGAGTCGTGTACAGG-1	Autologous
rep1_ATGAGTCTCGAAGAAT-1	Autologous
rep1_ATGAGTCTCGACCACG-1	Maternal
rep1_ATGATCGAGATGCTAA-1	Autologous
rep1_ATGATCGAGGTGCAGT-1	Autologous
rep1_ATGATCGCACGTACAT-1	Autologous
rep1_ATGATCGCATCATCTT-1	Autologous
rep1_ATGATCGGTTCCGTTC-1	Maternal
rep1_ATGATCGTCTTACACT-1	Maternal
rep1_ATGATCGTCTTCTGTA-1	Maternal
rep1_ATGATCGTCTTGAGCA-1	Autologous
rep1_ATGCATGAGGAACGAA-1	Maternal
rep1_ATGCATGAGGTTCTAC-1	Autologous
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rep1_ATGCATGGTCATAGTC-1	Autologous
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rep1_ATGCATGTCATTACCT-1	Maternal
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rep1_ATGCCTCCACTTGGGC-1	Autologous
rep1_ATGCCTCGTAATGCTC-1	Autologous
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rep1_ATGCGATAGTTTCGGT-1	Autologous
rep1_ATGCGATCAAACACGG-1	Maternal
rep1_ATGCGATCAGACCATT-1	Autologous
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rep1_ATGCGATGTGCGCTCA-1	Maternal
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rep1_ATGGATCCACAATGAA-1	Maternal
rep1_ATGGATCCACTTGAGT-1	Maternal
rep1_ATGGATCCATGTGGTT-1	Autologous
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rep1_ATGGGAGGTCGTACTA-1	Autologous
rep1_ATGGGAGGTTCAAGGG-1	Maternal
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rep1_ATGGGTTCAAACTCTG-1	Maternal
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rep1_ATGGTTGAGTTGAATG-1	Autologous
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rep1_ATGTCCCTCGAGATAA-1	Maternal
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rep1_ATTATCCCAGCCCAGT-1	Autologous
rep1_ATTATCCGTACTGTTG-1	Autologous
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rep1_ATTATCCGTGTGTGGA-1	Autologous
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rep1_CACTAAGGTCATAAAG-1	Autologous
rep1_CACTAAGGTCTCAGGC-1	Maternal
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rep1_CACTGAAAGTCATAGA-1	Maternal
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rep1_CCGCAAGGTCTGCCTT-1	Autologous
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rep1_CCGCAAGTCGCTATTT-1	Maternal
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rep1_CCGGACAAGGTTAAAC-1	Autologous
rep1_CCGGACAAGTGTGTTC-1	Autologous
rep1_CCGGACAAGTTAGAAC-1	Maternal
rep1_CCGGACAGTCGTTTCC-1	Autologous
rep1_CCGGACATCTCGAACA-1	Autologous
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rep1_CCGGGTAAGTCATGAA-1	Maternal
rep1_CCGGGTAAGTGCAGCA-1	Autologous
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rep1_CCGGGTATCACAAGAA-1	Maternal
rep1_CCGGGTATCGGTCTGG-1	Autologous
rep1_CCGGGTATCTCCGTGT-1	Autologous
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rep1_CCGGTAGAGTGTGTTC-1	Autologous
rep1_CCGGTAGGTCAGTCGC-1	Autologous
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rep1_CCGGTGAAGCACTAGG-1	Autologous
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rep1_CCGTAGGCAAACGGCA-1	Maternal
rep1_CCGTAGGCAACATCGT-1	Autologous
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rep1_CCGTAGGTCGCAATTG-1	Autologous
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rep1_CGTTGGGCAGCGACAA-1	Autologous
rep1_CGTTGGGCATAGGCGA-1	Autologous
rep1_CGTTGGGCATGAGAAT-1	Autologous
rep1_CGTTGGGGTAGAGGAA-1	Autologous
rep1_CGTTGGGGTGAGATCG-1	Autologous
rep1_CTAACCCGTCTACATG-1	Maternal
rep1_CTAACCCTCTGCCCTA-1	Maternal
rep1_CTAACCCTCTTGCGCT-1	Maternal
rep1_CTAACCCTCTTTGCGC-1	Autologous
rep1_CTAACTTAGAGAGCCT-1	Autologous

rep1_CTAACTTCAACACGTT-1	Autologous
rep1_CTAACTTCATCAGCGC-1	Autologous
rep1_CTAACTTGTACTGTTG-1	Autologous
rep1_CTAACTTTCCGCGATG-1	Maternal
rep1_CTAACTTTCTCGCTCA-1	Autologous
rep1_CTAAGTGAGGAACATT-1	Autologous
rep1_CTAAGTGAGGGCTAAC-1	Autologous
rep1_CTAAGTGCAAAGGATT-1	Maternal
rep1_CTAAGTGCAAGGCCTC-1	Autologous
rep1_CTAAGTGGTCGGCCTA-1	Maternal
rep1_CTAAGTGTCAAGGCTT-1	Autologous
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rep1_GAACGTTAGAGTAACT-1	Autologous
rep1_GAACGTTAGATACCAA-1	Autologous
rep1_GAACGTTCACAAATCC-1	Maternal
rep1_GAACGTTGTAGCCCTG-1	Autologous
rep1_GAACGTTGTCATGCAT-1	Autologous
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rep1_GAACTGTGTGCAAGAC-1	Maternal
rep1_GAAGAATAGTCGTTAC-1	Autologous
rep1_GAAGAATCATATGAAG-1	Maternal
rep1_GAAGAATGTCACCGAC-1	Autologous
rep1_GAAGAATGTGCGAGTA-1	Maternal
rep1_GAAGAATGTTGCTAGT-1	Autologous
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rep1_GAAGCCCAGCATATGA-1	Autologous
rep1_GAAGCCCAGTGTAGTA-1	Autologous
rep1_GAAGCCCCACCAGGTC-1	Autologous
rep1_GAAGCCCCAGAGTAAT-1	Maternal
rep1_GAAGCCCCAGGTCAGA-1	Maternal
rep1_GAAGCCCCATCGCCTT-1	Autologous
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rep1_GAAGCCCTCAGACCGC-1	Autologous
rep1_GAAGCCCTCGACCCAG-1	Autologous
rep1_GAAGCCCTCTACTGCC-1	Autologous
rep1_GAAGCGAAGAGTTCGG-1	Autologous
rep1_GAAGCGAAGTCTTCGA-1	Autologous
rep1_GAAGCGACAAGTGCAG-1	Autologous
rep1_GAAGCGACATAACAGA-1	Autologous

rep1_GAAGCGAGTAACGCGA-1	Autologous
rep1_GAAGCGAGTGATTCAC-1	Autologous
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rep1_GAAGGACAGCGTTAGG-1	Maternal
rep1_GAAGGACAGGACTGGT-1	Maternal
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rep1_GAATAGAAGAGGTCGT-1	Autologous
rep1_GAATAGAAGTTCCATG-1	Autologous
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rep1_GAATAGAGTTAGCGGA-1	Autologous
rep1_GAATAGAGTTCGTACA-1	Maternal
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rep1_GAATCACAGACAGTCG-1	Autologous
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rep1_GACAGCCGTGCGGCTT-1	Maternal
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rep1_GCATCTCTCATGGATC-1	Maternal
rep1_GCATCTCTCATTCGTT-1	Maternal
rep1_GCATCTCTCTCTGACC-1	Autologous
rep1_GCATCTCTCTGCGGCA-1	Autologous
rep1_GCATGATCAAACCATC-1	Maternal
rep1_GCATGATCAAGGTTGG-1	Maternal
rep1_GCATGATCACCTATCC-1	Autologous
rep1_GCATGATCATCATTTC-1	Autologous
rep1_GCATGATGTGACCTGC-1	Autologous
rep1_GCATGATGTTATCTTC-1	Maternal
rep1_GCATGATTCGAGTCTA-1	Maternal
rep1_GCATGATTCGGCATAT-1	Maternal
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rep1_GCATTAGCACAGAGAC-1	Maternal
rep1_GCATTAGCAGAAATCA-1	Maternal
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rep1_GGTCTGGTCCGAGTGC-1	Maternal
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rep1_GGTGAAGAGATGCCGA-1	Maternal
rep1_GGTGAAGAGTGCGCTC-1	Maternal
rep1_GGTGAAGGTGGAGGTT-1	Autologous
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rep1_GGTGAAGGTTCTTGTT-1	Maternal
rep1_GGTGAAGTCCACGGGT-1	Autologous
rep1_GGTGAAGTCCTCGCAT-1	Autologous
rep1_GGTGATTAGTACGTCT-1	Autologous

rep1_GGTGATTCACGGCCAT-1	Maternal
rep1_GGTGATTCATGAAAGT-1	Autologous
rep1_GGTGATTTCCTCACCA-1	Maternal
rep1_GGTGATTTCGGAGATG-1	Autologous
rep1_GGTGGCTAGCTACAAA-1	Autologous
rep1_GGTGGCTAGCTCCCTT-1	Maternal
rep1_GGTGGCTCAGCGTGCT-1	Autologous
rep1_GGTGGCTCATGACGTT-1	Autologous
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rep1_GGTGTTATCCCGGTAG-1	Autologous
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rep1_GGTTAACGTATCGCGC-1	Maternal
rep1_GGTTAACTCATGCAGT-1	Autologous
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rep1_GGTTCTCAGACAAGCC-1	Maternal
rep1_GGTTCTCAGTCACAGG-1	Maternal
rep1_GGTTCTCAGTTGGAGC-1	Autologous
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rep1_GGTTGTAGTCGGCTAC-1	Autologous
rep1_GGTTGTAGTGCCCTTT-1	Autologous
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rep1_GTAACACAGCTGGAGT-1	Maternal
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rep1_GTAACACAGGCCTGAA-1	Autologous
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rep1_GTAACACGTCACTCGG-1	Autologous
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rep1_GTAACACTCCATCGTC-1	Autologous
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rep1_GTTCGCTGTGACCGAA-1	Autologous
rep1_GTTCGCTTCAGACCTA-1	Maternal
rep1_GTTCTATCAAATCCCA-1	Autologous
rep1_GTTCTATCACAGAAGC-1	Autologous
rep1_GTTCTATGTCATAGTC-1	Autologous
rep1_GTTCTATGTGCAATAA-1	Autologous
rep1_GTTCTATTCGAACGCC-1	Autologous
rep1_GTTCTATTCTAACGGT-1	Maternal
rep1_GTTCTATTCTCTCGAC-1	Maternal
rep1_GTTGAACAGAAGTCTA-1	Autologous
rep1_GTTGAACAGCTGGTGA-1	Autologous
rep1_GTTGAACAGTCATTGC-1	Maternal
rep1_GTTGAACGTAGGTCAG-1	Maternal
rep1_GTTGAACGTTATGACC-1	Autologous
rep1_GTTGAACTCAAATGAG-1	Maternal
rep1_GTTGCGGGTTCTCGTC-1	Maternal
rep1_GTTGCGGTCCGAAATC-1	Autologous
rep1_GTTGCTCGTTCACCGG-1	Autologous
rep1_GTTGCTCTCGCATTGA-1	Autologous
rep1_GTTGCTCTCTATACGG-1	Maternal
rep1_GTTGTAGAGCTCGAAG-1	Autologous
rep1_GTTGTAGAGGAACGAA-1	Maternal
rep1_GTTGTAGCAGGGTCTC-1	Autologous
rep1_GTTGTAGGTCACTTCC-1	Maternal
rep1_GTTGTAGGTCGTTCAA-1	Maternal
rep1_GTTGTAGGTTTCCAAG-1	Autologous

rep1_GTTGTAGTCCATCTGC-1	Autologous
rep1_GTTGTAGTCTGAGCAT-1	Maternal
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rep1_GTTGTCCAGCGTCAAG-1	Autologous
rep1_GTTGTCCAGGCGATAC-1	Maternal
rep1_GTTGTCCGTTACCGTA-1	Autologous
rep1_GTTGTCCTCATTTGCT-1	Autologous
rep1_GTTGTCCTCCACTTCG-1	Autologous
rep1_GTTGTCCTCGAGCTGC-1	Autologous
rep1_GTTGTGAAGCTAGCCC-1	Autologous
rep1_GTTGTGACACTAAACC-1	Autologous
rep1_GTTGTGAGTCACTCAA-1	Autologous
rep1_GTTGTGAGTCCAGGTC-1	Autologous
rep1_GTTGTGATCATGCATG-1	Autologous
rep1_GTTTACTAGCCTCCAG-1	Maternal
rep1_GTTTACTCATAGTCGT-1	Autologous
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rep1_GTTTGGAAGGCTGTAG-1	Autologous
rep1_GTTTGGAAGGTTCCAT-1	Autologous
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rep1_GTTTGGAGTTCTTGCC-1	Maternal
rep1_GTTTGGATCCTCTTTC-1	Autologous
rep1_TAACACGAGAGCAGAA-1	Autologous
rep1_TAACACGAGCTGGCCT-1	Autologous
rep1_TAACACGAGTTTCTTC-1	Maternal
rep1_TAACACGCAGACCGCT-1	Maternal
rep1_TAACACGCAGGTCCGT-1	Autologous
rep1_TAACACGCATTGGGAG-1	Autologous
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rep1_TAACACGTCGCGAAGA-1	Autologous
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rep1_TAACCAGGTGCATCTA-1	Autologous
rep1_TAACCAGGTTCTTCAT-1	Autologous
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rep1_TAACGACCATTGACCA-1	Autologous
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rep1_TAACTTCAGATTCGCT-1	Autologous
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rep1_TAACTTCCAGTGTATC-1	Autologous

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rep1_TAACTTCTCTCTATGT-1	Maternal
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rep1_TCAGCCTTCCGGGACT-1	Autologous

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rep1_TCAGGGCCAAGGCTTT-1	Maternal
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rep1_TCAGGGCGTCTCTCAC-1	Maternal
rep1_TCAGGGCGTTCGGCTG-1	Maternal
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rep1_TCAGGTAAGTGCAAAT-1	Maternal
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rep1_TCTTCCTAGTAGCCAG-1	Autologous
rep1_TCTTCCTCAAGTCCAT-1	Maternal
rep1_TCTTCCTCATCGCTGG-1	Maternal
rep1_TCTTGCGAGCCTCTCT-1	Maternal
rep1_TCTTGCGAGGAAAGGT-1	Autologous
rep1_TCTTGCGCAGTCAGAG-1	Autologous
rep1_TCTTGCGGTCCGGTCA-1	Maternal
rep1_TCTTGCGTCCAACCGG-1	Autologous
rep1_TCTTTGAAGTGACACG-1	Autologous
rep1_TCTTTGACAGCAGTAG-1	Autologous
rep1_TCTTTGACAGCTCTGG-1	Autologous
rep1_TCTTTGAGTAAGAACT-1	Autologous
rep1_TCTTTGAGTCGTGGAA-1	Maternal
rep1_TCTTTGATCAGACCCG-1	Autologous
rep1_TCTTTGATCAGGAGAC-1	Autologous
rep1_TCTTTGATCGCTACGG-1	Autologous
rep1_TGAACGTCACCAAAGG-1	Autologous
rep1_TGAACGTGTAACACCT-1	Maternal
rep1_TGAACGTTCATTCATC-1	Autologous
rep1_TGAACGTTCGTGGTAT-1	Autologous
rep1_TGAATCGCATTGGGAG-1	Autologous
rep1_TGAATGCAGAAACTCA-1	Maternal
rep1_TGAATGCCACAGCTTA-1	Autologous
rep1_TGAATGCCATCTTCGC-1	Autologous
rep1_TGAATGCGTACGGATG-1	Autologous

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rep1_TGAATGCGTCGTTTCC-1	Autologous
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rep1_TGACAGTCACCCTGAG-1	Autologous
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rep1_TGAGCATTCCTACCGT-1	Maternal
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rep1_TTTCGATCAAGACAAT-1	Autologous
rep1_TTTCGATCAGTCGGTC-1	Maternal
rep1_TTTCGATGTCATGACT-1	Maternal
rep1_TTTCGATTCGTCTAAG-1	Autologous
rep1_TTTCGATTCTGCCTGT-1	Maternal
rep1_TTTGACTAGAGAACCC-1	Maternal
rep1_TTTGACTAGCCTCCAG-1	Autologous
rep1_TTTGACTAGGGCAATC-1	Autologous
rep1_TTTGACTAGGTTCTTG-1	Maternal
rep1_TTTGACTCACCATATG-1	Autologous
rep1_TTTGACTGTTACGGAG-1	Maternal
rep1_TTTGACTTCACTGGGC-1	Autologous
rep1_TTTGATCAGCGTGCCT-1	Maternal
rep1_TTTGATCCAACGATTC-1	Maternal
rep1_TTTGATCCAATCGTCA-1	Maternal
rep1_TTTGATCCACCTCTAC-1	Autologous
rep1_TTTGATCCAGCAGTAG-1	Autologous
rep1_TTTGATCCAGCTTCCT-1	Autologous
rep1_TTTGATCCATTGGCAT-1	Autologous
rep1_TTTGATCGTCGCTGCA-1	Autologous
rep1_TTTGATCGTTGGGCCT-1	Maternal
rep1_TTTGATCTCAGCACCG-1	Maternal
rep1_TTTGATCTCCCAGGCA-1	Maternal
rep1_TTTGGAGAGGATTTCC-1	Autologous
rep1_TTTGGAGGTCCCTCAT-1	Autologous

rep1_TTTGGAGGTGCAACAG-1	Autologous
rep1_TTTGGTTAGACAACAT-1	Maternal
rep1_TTTGGTTAGACAAGCC-1	Maternal
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rep1_TTTGGTTGTATGTCAC-1	Autologous
rep1_TTTGGTTGTGCAATGG-1	Maternal
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rep1_TTTGGTTTCTGCCCTA-1	Autologous
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rep2_AATGGAACACACCAGC-1	Autologous
rep2_AATGGAACACGGGCTT-1	Autologous
rep2_AATGGAACAGCATGCC-1	Autologous
rep2_AATGGAACAGCTGAAG-1	Autologous
rep2_AATGGAATCATTATCC-1	Maternal
rep2_AATGGAATCGCTGTCT-1	Autologous
rep2_AATGGAATCGGACTTA-1	Autologous

rep2_AATGGAATCGGTCACG-1	Autologous
rep2_AATGGCTAGACCTCCG-1	Autologous
rep2_AATGGCTAGAGTACCG-1	Autologous
rep2_AATGGCTCAAATCCCA-1	Autologous
rep2_AATGGCTCAGAAATTG-1	Autologous
rep2_AATGGCTGTATCAGGG-1	Maternal
rep2_AATGGCTGTGTTACAC-1	Maternal
rep2_AATGGCTGTTCGGTCG-1	Maternal
rep2_AATGGCTGTTGACTGT-1	Maternal
rep2_AATGGCTTCCAAGAGG-1	Maternal
rep2_AATGGCTTCCCGAAAT-1	Autologous
rep2_AATGGCTTCCCTTCCC-1	Autologous
rep2_AATTCCTAGACGCCAA-1	Autologous
rep2_AATTCCTAGATGGTAT-1	Autologous
rep2_AATTCCTAGCGGGTTA-1	Maternal
rep2_AATTCCTCAAACTAAG-1	Autologous
rep2_AATTCCTCAAGCGAAC-1	Autologous
rep2_AATTCCTCACTTCTCG-1	Maternal
rep2_AATTCCTCAGGACATG-1	Autologous
rep2_AATTCCTGTAAGGCTG-1	Autologous
rep2_AATTCCTGTACAATAG-1	Autologous
rep2_AATTCCTGTGAATATG-1	Autologous
rep2_AATTCCTGTTGGAGGT-1	Maternal
rep2_AATTCCTTCCAAACCA-1	Maternal
rep2_AATTCCTTCTGGACCG-1	Autologous
rep2_AATTTCCAGGGTTAAT-1	Maternal
rep2_AATTTCCGTCTGTGTA-1	Maternal
rep2_AATTTCCTCACGTCCT-1	Maternal
rep2_AATTTCCTCCAAAGGG-1	Autologous
rep2_AATTTCCTCGGATTAC-1	Maternal
rep2_AATTTCCTCGTGCATA-1	Autologous
rep2_ACAAAGAAGGCTCTCG-1	Maternal
rep2_ACAAAGAAGTGAGTTA-1	Autologous
rep2_ACAAAGACACGACAGA-1	Maternal
rep2_ACAAAGACATCTCCCA-1	Autologous
rep2_ACAAAGATCTTTGGAG-1	Autologous
rep2_ACAACCACAACTTGCA-1	Maternal
rep2_ACAACCACAGAAACCG-1	Maternal
rep2_ACAACCACATCCGAAT-1	Maternal
rep2_ACAACCAGTGCCCGTA-1	Autologous
rep2_ACAACCAGTTGTATGC-1	Maternal
rep2_ACAACCATCATTACGG-1	Autologous
rep2_ACAACCATCATTCATC-1	Autologous
rep2_ACAACCATCTCCAATT-1	Autologous

rep2_ACAAGCTAGAGACAAG-1	Autologous
rep2_ACAAGCTAGAGAGGTA-1	Autologous
rep2_ACAAGCTAGCCGTCGT-1	Autologous
rep2_ACAAGCTCATTACTCT-1	Autologous
rep2_ACAAGCTGTACGAAAT-1	Maternal
rep2_ACAAGCTGTTGGGAAC-1	Autologous
rep2_ACAAGCTGTTTGAACC-1	Maternal
rep2_ACAAGCTTCATCAGTG-1	Maternal
rep2_ACAAGCTTCATTCACT-1	Autologous
rep2_ACAAGCTTCCTGTAGA-1	Autologous
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rep2_ACACAGTAGTGTAGTA-1	Autologous
rep2_ACACAGTGTACGGATG-1	Autologous
rep2_ACACAGTGTTGTCCCT-1	Autologous
rep2_ACACAGTTCACCCTGT-1	Autologous
rep2_ACACCAAAGAGGTATT-1	Autologous
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rep2_ACACCAAAGGACCCAA-1	Autologous
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rep2_ACACCAAGTCGGTACC-1	Autologous
rep2_ACACCAATCACCGACG-1	Autologous
rep2_ACACCAATCGGTTGTA-1	Autologous
rep2_ACACCAATCTCGAACA-1	Autologous
rep2_ACACCAATCTCTGACC-1	Autologous
rep2_ACACGCGAGTCGCGAA-1	Maternal
rep2_ACACGCGCAACAAGAT-1	Autologous
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rep2_ACACGCGCATGGAATA-1	Maternal
rep2_ACACGCGGTATTGCCA-1	Maternal
rep2_ACACGCGGTGATTGGG-1	Maternal
rep2_ACACGCGTCCACAAGT-1	Autologous
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rep2_ACACGCGTCCGATGCG-1	Maternal
rep2_ACACGCGTCTGCATAG-1	Autologous
rep2_ACACTGAAGTCGCCAC-1	Maternal
rep2_ACACTGACACAGAGCA-1	Autologous
rep2_ACACTGACACCTCTGT-1	Autologous
rep2_ACACTGACAGCAGTTT-1	Autologous
rep2_ACACTGACAGTGAGCA-1	Maternal
rep2_ACACTGAGTCGTGGAA-1	Maternal
rep2_ACACTGAGTGGCACTC-1	Autologous
rep2_ACACTGATCATTACTC-1	Maternal
rep2_ACACTGATCTTTGCGC-1	Maternal

rep2_ACAGAAAAGCCACAAG-1	Autologous
rep2_ACAGAAAAGGGCGAGA-1	Maternal
rep2_ACAGAAAAGTGTTGAA-1	Maternal
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rep2_ACAGAAACAACTTCTT-1	Maternal
rep2_ACAGAAACAAGTCCAT-1	Autologous
rep2_ACAGAAACATCGGATT-1	Autologous
rep2_ACAGAAAGTCTCAAGT-1	Maternal
rep2_ACAGAAAGTCTTCTAT-1	Autologous
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rep2_ACAGAAATCATCACAG-1	Maternal
rep2_ACAGAAATCATGCCCT-1	Maternal
rep2_ACAGAAATCCCGAAAT-1	Autologous
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rep2_ACAGAAATCGTAACAC-1	Autologous
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rep2_ACAGCCGGTCGACTTA-1	Autologous
rep2_ACAGCCGGTGGCGCTT-1	Maternal
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rep2_ACATCCCGTACGAGCA-1	Autologous
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rep2_ACATCCCGTGAAAGTT-1	Autologous
rep2_ACATCCCGTGTCTCCT-1	Maternal
rep2_ACATCCCGTTATAGCC-1	Autologous
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rep2_ACATCGAAGCACTAGG-1	Autologous
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rep2_ACATCGAAGTGGTGAC-1	Maternal
rep2_ACATCGACACCCTAAA-1	Autologous

rep2_ACATCGACAGGTGTTT-1	Autologous
rep2_ACATCGACATAGATCC-1	Autologous
rep2_ACATCGAGTACAGCGA-1	Maternal
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rep2_ACATCGATCGCTGCGA-1	Autologous
rep2_ACATCGATCTGTCTCG-1	Autologous
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rep2_ACCACAATCTCTTCAA-1	Autologous
rep2_ACCATTTCACTACCCT-1	Autologous

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rep2_ACCATTTCAGCTGTTA-1	Maternal
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rep2_ACCCAAATCCTTTGAT-1	Autologous
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rep2_ACCGTTCTCCAAGCCG-1	Maternal
rep2_ACCGTTCTCCACTGAA-1	Maternal
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rep2_ACCTACCCACAAAGTA-1	Autologous

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rep2_ACCTGAAAGGGCGAGA-1	Autologous
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rep2_ACCTGAATCGTTCTGC-1	Maternal
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rep2_ACGATGTTCCGGCAGT-1	Autologous
rep2_ACGATGTTCGGTAACT-1	Maternal

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rep2_ACGCACGGTGATTGGG-1	Autologous
rep2_ACGGAAGAGAAGTCAT-1	Autologous
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rep2_ACGGAAGGTATACCTG-1	Autologous
rep2_ACGGAAGGTGTGGTCC-1	Maternal
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rep2_ACGGGTCAGGTCCCGT-1	Autologous
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rep2_ACGGTTATCAGTCACA-1	Autologous
rep2_ACGGTTATCAGTGTCA-1	Maternal
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rep2_ACGTAACTCTGGGAGA-1	Maternal
rep2_ACGTACAAGAGCAGAA-1	Maternal
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rep2_ACGTACACACTGTTCC-1	Maternal
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rep2_ACTACGACACGTCGTG-1	Autologous
rep2_ACTACGAGTACCTTCC-1	Autologous

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rep2_ACTACGAGTCTTGGTA-1	Autologous
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rep2_ACTACGATCCGAGGCT-1	Maternal
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rep2_ACTATCTGTAACTAAG-1	Maternal
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rep2_ACTATGGGTTGTGGCC-1	Autologous
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rep2_ACTATGGTCCAAAGGG-1	Maternal
rep2_ACTATGGTCCACAGCG-1	Autologous
rep2_ACTATGGTCTCGAGTA-1	Autologous
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rep2_ACTATTCCATAAGCAA-1	Autologous
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rep2_ACTCTCGCAGCGAGTA-1	Autologous
rep2_ACTCTCGCAGTGAGCA-1	Autologous
rep2_ACTCTCGCATGTGCCG-1	Autologous
rep2_ACTCTCGCATTGGATC-1	Autologous
rep2_ACTCTCGGTCAGACTT-1	Maternal

rep2_ACTCTCGGTCGAACAG-1	Autologous
rep2_ACTCTCGGTGAATGTA-1	Maternal
rep2_ACTCTCGGTGTCATGT-1	Autologous
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rep2_ACTGATGAGGTAATCA-1	Autologous
rep2_ACTGATGAGTAAGCAT-1	Maternal
rep2_ACTGATGCAAAGTGTA-1	Autologous
rep2_ACTGATGCAAGCCTGC-1	Maternal
rep2_ACTGATGCACACAGAG-1	Autologous
rep2_ACTGATGCACAGAAGC-1	Autologous
rep2_ACTGATGCACATCCCT-1	Maternal
rep2_ACTGATGCACTTTATC-1	Maternal
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rep2_ACTGATGTCCTACCGT-1	Autologous
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rep2_ACTGATGTCGTCGATA-1	Maternal
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rep2_ACTGCAAGTACTAGCT-1	Autologous
rep2_ACTGCAAGTCATCCCT-1	Maternal
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rep2_ACTGTGAGTATTGCCA-1	Maternal
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rep2_ACTGTGAGTCCAGAAG-1	Autologous
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rep2_ACTTAGGCAGGACTAG-1	Maternal
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rep2_ACTTAGGGTTCTCCCA-1	Autologous
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rep2_ACTTAGGTCGACCTAA-1	Autologous
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rep2_ACTTATCCACTGCACG-1	Autologous

rep2_ACTTATCCAGAGTTGG-1	Autologous
rep2_ACTTATCCATCATTTC-1	Autologous
rep2_ACTTATCTCCGATCTC-1	Autologous
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rep2_ACTTATCTCTCATTAC-1	Maternal
rep2_ACTTATCTCTCGGGAC-1	Maternal
rep2_ACTTCCGAGCTGAAAT-1	Autologous
rep2_ACTTCCGCAAGCGAAC-1	Autologous
rep2_ACTTCCGCAGAAGCGT-1	Maternal
rep2_ACTTCCGGTTCGTTCC-1	Maternal
rep2_ACTTCCGTCCATCGTC-1	Maternal
rep2_ACTTCCGTCGACCATA-1	Autologous
rep2_ACTTCCGTCGGCCCAA-1	Maternal
rep2_ACTTCCGTCTCCGTGT-1	Autologous
rep2_ACTTCGCCAAGGAGTC-1	Autologous
rep2_ACTTCGCCACGTCTCT-1	Maternal
rep2_ACTTCGCCATGGAACG-1	Maternal
rep2_ACTTCGCTCGGCGATC-1	Maternal
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rep2_ACTTTCAAGTCTGCAT-1	Autologous
rep2_ACTTTCACAACACACT-1	Autologous
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rep2_ACTTTCAGTCAGTTTG-1	Autologous
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rep2_ACTTTCATCAATCGGT-1	Autologous
rep2_ACTTTCATCTTAGGAC-1	Autologous
rep2_ACTTTGTAGAGCAGTC-1	Autologous
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rep2_ACTTTGTCAACACTAC-1	Autologous
rep2_ACTTTGTCAACAGCTT-1	Autologous
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rep2_AGAAATGCAATGTTGC-1	Autologous
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rep2_AGTAACCGTGGTTTGT-1	Maternal
rep2_AGTAACCTCAAGGACG-1	Autologous
rep2_AGTAACCTCGATACAC-1	Autologous
rep2_AGTAACCTCTGGTTGA-1	Autologous
rep2_AGTACCAAGAACTGAT-1	Autologous
rep2_AGTACCAAGGGATCGT-1	Maternal
rep2_AGTACCAAGTTCATCG-1	Maternal
rep2_AGTACCACACCTTCGT-1	Autologous
rep2_AGTACCACAGGATGAC-1	Autologous
rep2_AGTACCACATGAAAGT-1	Autologous
rep2_AGTACCATCGTGGAAG-1	Autologous
rep2_AGTACCATCTATTCGT-1	Autologous
rep2_AGTACTGAGCTTAGTC-1	Autologous
rep2_AGTACTGAGGTAAGGA-1	Autologous
rep2_AGTACTGCAGAACTTC-1	Maternal
rep2_AGTACTGCATCGGAGA-1	Maternal
rep2_AGTACTGCATGTCAGT-1	Maternal
rep2_AGTACTGGTATTAAGG-1	Autologous
rep2_AGTACTGTCACCCTGT-1	Autologous
rep2_AGTACTGTCATCGCAA-1	Autologous
rep2_AGTACTGTCCCGTTCA-1	Maternal
rep2_AGTACTGTCTTTCGAT-1	Autologous
rep2_AGTAGCTAGGATTTGA-1	Autologous
rep2_AGTAGCTAGGCCTGAA-1	Autologous
rep2_AGTAGCTAGTAACGTA-1	Autologous
rep2_AGTAGCTCAACTCGAT-1	Autologous
rep2_AGTAGCTCAAGTGGCA-1	Autologous
rep2_AGTAGCTCACGTTCGG-1	Maternal
rep2_AGTAGCTCAGAACCGA-1	Maternal
rep2_AGTAGCTCATCAGTCA-1	Maternal
rep2_AGTAGCTGTTGCTCGG-1	Autologous
rep2_AGTAGCTTCTTAGCTT-1	Autologous
rep2_AGTAGTCAGACTTCCA-1	Autologous
rep2_AGTAGTCAGCACACAG-1	Maternal
rep2_AGTAGTCCATGTCTAG-1	Maternal
rep2_AGTAGTCCATTGTCGA-1	Maternal
rep2_AGTAGTCGTACCCGCA-1	Maternal
rep2_AGTAGTCTCATTTCCA-1	Autologous
rep2_AGTAGTCTCTCTCGCA-1	Autologous
rep2_AGTCAACCACGTCATA-1	Autologous
rep2_AGTCAACCATAACGGG-1	Autologous
rep2_AGTCAACGTATGGAGC-1	Maternal

rep2_AGTCAACGTTGACTAC-1	Autologous
rep2_AGTCAACTCCGTCAAA-1	Maternal
rep2_AGTCAACTCGCGCTGA-1	Maternal
rep2_AGTCAACTCGCTTAAG-1	Autologous
rep2_AGTCAACTCGGTAAGG-1	Autologous
rep2_AGTCAACTCTCAGAAC-1	Autologous
rep2_AGTCACAAGAGAACCC-1	Autologous
rep2_AGTCACAAGGACACTG-1	Autologous
rep2_AGTCACAAGGAGACCT-1	Autologous
rep2_AGTCACAAGGATGGCT-1	Autologous
rep2_AGTCACAGTACTCGTA-1	Autologous
rep2_AGTCACAGTATCGCTA-1	Maternal
rep2_AGTCACAGTTGTCAGT-1	Autologous
rep2_AGTCACATCAGGACAG-1	Autologous
rep2_AGTCACATCGCCAGAC-1	Autologous
rep2_AGTCACATCGGCCCAA-1	Autologous
rep2_AGTCACATCTAGCCTC-1	Maternal
rep2_AGTCACATCTCGCGTT-1	Maternal
rep2_AGTCATGAGAGGCGGA-1	Maternal
rep2_AGTCATGCAAGAGTAT-1	Autologous
rep2_AGTCATGTCAACTACG-1	Maternal
rep2_AGTCATGTCCGCGGAT-1	Autologous
rep2_AGTCTCCAGTACGTCT-1	Autologous
rep2_AGTCTCCCATCAGTCA-1	Autologous
rep2_AGTCTCCGTATAGCTC-1	Autologous
rep2_AGTCTCCGTCTTACTT-1	Maternal
rep2_AGTCTCCGTTTACGTG-1	Autologous
rep2_AGTCTCCTCCATAGAC-1	Maternal
rep2_AGTGACTAGAGGGTCT-1	Maternal
rep2_AGTGACTAGGTACCTT-1	Autologous
rep2_AGTGACTCAATTTCTC-1	Autologous
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rep2_AGTGACTCAGGTCTCG-1	Maternal
rep2_AGTGACTCAGGTTTAC-1	Autologous
rep2_AGTGACTTCAGGAAGC-1	Maternal
rep2_AGTGACTTCATACGAC-1	Maternal
rep2_AGTGACTTCGTCACCT-1	Autologous
rep2_AGTGACTTCTTGAGCA-1	Autologous
rep2_AGTGATCAGAATCCCT-1	Autologous
rep2_AGTGATCAGCCATATC-1	Autologous
rep2_AGTGATCAGTAAATGC-1	Autologous
rep2_AGTGATCCAGTGGCTC-1	Maternal
rep2_AGTGATCCATGACTGT-1	Autologous
rep2_AGTGATCGTAGAGTTA-1	Maternal

rep2_AGTGATCGTCCTCCTA-1	Autologous
rep2_AGTGATCGTCGAATGG-1	Maternal
rep2_AGTGATCGTGTTCAGT-1	Maternal
rep2_AGTGATCTCCATTGTT-1	Maternal
rep2_AGTGATCTCGCCTAGG-1	Autologous
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rep2_AGTGCCGGTCACGTGC-1	Autologous
rep2_AGTGCCGGTGAACGGT-1	Autologous
rep2_AGTGCCGGTGACTCTA-1	Autologous
rep2_AGTGCCGGTGATACTC-1	Maternal
rep2_AGTGCCGTCATGAGTC-1	Maternal
rep2_AGTGCCGTCCGTACGG-1	Autologous
rep2_AGTGCCGTCGACGAGA-1	Autologous
rep2_AGTGCCGTCGGAAACG-1	Maternal
rep2_AGTGCCGTCTAGCAAC-1	Autologous
rep2_AGTGTTGAGACCTCAT-1	Autologous
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rep2_AGTGTTGAGCTGCCAC-1	Autologous
rep2_AGTGTTGAGTGATGGC-1	Maternal
rep2_AGTGTTGCACGAAAGC-1	Autologous
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rep2_AGTGTTGGTCCAGAAG-1	Autologous
rep2_AGTGTTGTCCATCGTC-1	Maternal
rep2_AGTGTTGTCCCGAATA-1	Autologous
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rep2_AGTTAGCCAGCCGTTG-1	Autologous
rep2_AGTTAGCCATTGTAGC-1	Autologous
rep2_AGTTAGCGTCTAGATC-1	Autologous
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rep2_AGTTAGCTCAGATTGC-1	Maternal
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rep2_AGTTCCCTCGAACCAT-1	Maternal
rep2_AGTTCCCTCTGGAGAG-1	Autologous
rep2_AGTTCGAAGTAAAGCT-1	Autologous
rep2_AGTTCGACATACAGGG-1	Autologous

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rep2_ATACCGAAGTCAGAGC-1	Maternal
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rep2_ATACCGAGTACGTTCA-1	Maternal
rep2_ATACCGAGTTCACCGG-1	Maternal
rep2_ATACCGATCATCCCGT-1	Autologous
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rep2_ATACCTTAGAGGGTGG-1	Autologous
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rep2_ATACCTTCATGGAGAC-1	Autologous
rep2_ATACCTTGTGGTCCGT-1	Autologous
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rep2_ATACTTCAGCTGTTCA-1	Autologous
rep2_ATACTTCGTAAGTCAA-1	Maternal
rep2_ATACTTCTCTACCAGA-1	Maternal
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rep2_ATAGGCTAGCACGATG-1	Autologous
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rep2_ATAGGCTAGGAACGTC-1	Maternal
rep2_ATAGGCTAGGATAATC-1	Maternal
rep2_ATAGGCTAGGCATTTC-1	Maternal
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rep2_ATAGGCTCAGCTACCG-1	Autologous

rep2_ATAGGCTCAGGTTCAT-1	Autologous
rep2_ATAGGCTGTCACAATC-1	Autologous
rep2_ATAGGCTGTTACGTAC-1	Autologous
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rep2_ATCACGACAGTGGCTC-1	Maternal
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rep2_ATCAGGTTCCGTGCGA-1	Autologous
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rep2_ATCCCTGTCTCAACGA-1	Maternal
rep2_ATCCGTCCACCACTGG-1	Autologous

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rep2_ATCGGCGCAAAGCACG-1	Autologous
rep2_ATCGGCGCAACTGTGT-1	Maternal
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rep2_ATCGGCGGTCTACAAC-1	Autologous
rep2_ATCGGCGGTGGCACTC-1	Autologous
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rep2_ATCGTGATCCGGACGT-1	Maternal
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rep2_ATCTTCATCCGTGGGT-1	Autologous
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rep2_ATGAAAGAGCTCCGAC-1	Maternal
rep2_ATGAAAGAGGCCTGAA-1	Autologous
rep2_ATGAAAGGTAAGGCTG-1	Maternal

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rep2_ATGAAAGTCAAGCCTA-1	Maternal
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rep2_ATGATCGTCGCGCCAA-1	Maternal
rep2_ATGATCGTCTGTAACG-1	Autologous

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rep2_ATGCATGAGTGGAATT-1	Autologous
rep2_ATGCATGCAAATGCGG-1	Autologous
rep2_ATGCATGCACAGCATT-1	Autologous
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rep2_ATGCATGCATGAGATA-1	Autologous
rep2_ATGCATGTCCGTCAAA-1	Autologous
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rep2_ATGCATGTCGAGAACG-1	Autologous
rep2_ATGCATGTCTTACCAT-1	Autologous
rep2_ATGCCTCAGTATTAGG-1	Maternal
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rep2_ATGCCTCGTGGTTCTA-1	Autologous
rep2_ATGCCTCGTTCAGCTA-1	Autologous
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rep2_ATGCCTCTCTTGGTCC-1	Maternal
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rep2_ATGCGATCACCCTTAC-1	Autologous
rep2_ATGCGATCACTAGTAC-1	Maternal
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rep2_ATGCGATGTTTCGACA-1	Autologous
rep2_ATGCGATTCGAACGGA-1	Autologous
rep2_ATGCGATTCGCGGACT-1	Maternal
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rep2_ATGGATCCAGATCCAT-1	Autologous
rep2_ATGGATCCATGTACGT-1	Autologous
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rep2_ATGGATCGTTAAACCC-1	Autologous
rep2_ATGGATCTCATTCGGA-1	Maternal
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rep2_ATGGGAGAGGTTGCCC-1	Maternal
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rep2_ATGGTTGGTAAGCTCT-1	Autologous
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rep2_ATGTCCCTCGAATCCA-1	Autologous
rep2_ATGTCCCTCGTGCATA-1	Maternal
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rep2_ATGTCTTTCAAGCCAT-1	Maternal
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rep2_ATGTCTTTCTAGTGTG-1	Autologous
rep2_ATTACCTAGCATTGTC-1	Autologous
rep2_ATTACCTAGTTATGGA-1	Autologous
rep2_ATTACCTGTACAGTCT-1	Autologous
rep2_ATTACCTTCCGCAAAT-1	Maternal
rep2_ATTACCTTCTATTCGT-1	Autologous
rep2_ATTACTCAGGGTGAAA-1	Maternal
rep2_ATTACTCCACACACTA-1	Autologous
rep2_ATTACTCCACCAGCGT-1	Autologous
rep2_ATTACTCGTAGATCCT-1	Autologous
rep2_ATTACTCGTATCCTCC-1	Maternal
rep2_ATTACTCGTGATTCAC-1	Autologous
rep2_ATTACTCTCCGCGATG-1	Maternal
rep2_ATTATCCAGCTTTCTT-1	Autologous
rep2_ATTATCCCACCCTAAA-1	Autologous
rep2_ATTATCCCAGTCGCTG-1	Autologous

rep2_ATTATCCTCATTGGTG-1	Maternal
rep2_ATTATCCTCCAACCGG-1	Maternal
rep2_ATTATCCTCCCGAATA-1	Maternal
rep2_ATTATCCTCCTACAAG-1	Maternal
rep2_ATTATCCTCGTCAGAT-1	Autologous
rep2_ATTATCCTCTGGAAGG-1	Maternal
rep2_ATTCACTAGAAGAACG-1	Maternal
rep2_ATTCACTAGAGCATTA-1	Maternal
rep2_ATTCACTAGGGCAGGA-1	Autologous
rep2_ATTCACTCAGAATGTA-1	Autologous
rep2_ATTCACTGTTGCGGAA-1	Autologous
rep2_ATTCACTTCATTCGTT-1	Autologous
rep2_ATTCACTTCGTCAGAT-1	Autologous
rep2_ATTCACTTCTAAGCGT-1	Autologous
rep2_ATTCAGGCACATATCG-1	Autologous
rep2_ATTCAGGGTGTCTCCT-1	Autologous
rep2_ATTCAGGTCCGTGGGT-1	Autologous
rep2_ATTCAGGTCCTACCGT-1	Maternal
rep2_ATTCATCAGGACCCAA-1	Autologous
rep2_ATTCATCCAAGTCGTT-1	Autologous
rep2_ATTCATCCAGCCCAGT-1	Autologous
rep2_ATTCATCCATAGACTC-1	Autologous
rep2_ATTCATCCATCGTGCG-1	Autologous
rep2_ATTCATCGTCTACGAT-1	Maternal
rep2_ATTCATCGTCTTGTCC-1	Autologous
rep2_ATTCATCTCCCATACC-1	Maternal
rep2_ATTCCATAGAGGTCAC-1	Autologous
rep2_ATTCCATAGCAGGCAT-1	Autologous
rep2_ATTCCATCAGTTAGAA-1	Autologous
rep2_ATTCCATCATACAGGG-1	Autologous
rep2_ATTCCATGTATCACCA-1	Autologous
rep2_ATTCCATGTCCAAGAG-1	Maternal
rep2_ATTCCATTCGTAGGAG-1	Autologous
rep2_ATTCCATTCTACCTTA-1	Maternal
rep2_ATTCCCGAGTCTGCAT-1	Maternal
rep2_ATTCCCGCAAAGCACG-1	Autologous
rep2_ATTCCCGCACACCGCA-1	Maternal
rep2_ATTCCCGTCTCACGAA-1	Autologous
rep2_ATTCCTAAGATGACAT-1	Autologous
rep2_ATTCCTAAGATTGTGA-1	Autologous
rep2_ATTCCTAAGCATCAGG-1	Maternal
rep2_ATTCCTAAGCATGGGT-1	Autologous
rep2_ATTCCTAAGCTGAGCA-1	Autologous
rep2_ATTCCTAAGGATTACA-1	Autologous

rep2_ATTCCTAAGTAGACAT-1	Maternal
rep2_ATTCCTACACATAGCT-1	Autologous
rep2_ATTCCTAGTGGCTGCT-1	Autologous
rep2_ATTCCTATCACTACTT-1	Maternal
rep2_ATTCCTATCGCAGTTA-1	Autologous
rep2_ATTCCTATCTGGGAGA-1	Maternal
rep2_ATTCGTTAGAGCAACC-1	Autologous
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rep2_ATTCGTTAGGAGCTGT-1	Maternal
rep2_ATTCGTTAGTGAGTGC-1	Autologous
rep2_ATTCGTTCAACCGCTG-1	Autologous
rep2_ATTCGTTCAACCGGAA-1	Autologous
rep2_ATTCGTTCAACGTTAC-1	Autologous
rep2_ATTCGTTCATCGAGCC-1	Autologous
rep2_ATTCGTTGTTAGGACG-1	Autologous
rep2_ATTCGTTGTTCTCACC-1	Autologous
rep2_ATTCGTTGTTTGGCTA-1	Maternal
rep2_ATTCGTTTCAGGGATG-1	Autologous
rep2_ATTCTACAGTCACTCA-1	Maternal
rep2_ATTCTACAGTGGCAGT-1	Autologous
rep2_ATTCTACCAGTGCGCT-1	Maternal
rep2_ATTCTACCATCCAATG-1	Maternal
rep2_ATTCTACGTAGCTGTT-1	Autologous
rep2_ATTCTACGTCTATGAC-1	Maternal
rep2_ATTCTACGTGGCATCC-1	Maternal
rep2_ATTCTACGTTTCGTTT-1	Maternal
rep2_ATTCTTGAGCCAAGTG-1	Autologous
rep2_ATTCTTGAGTCCGCCA-1	Maternal
rep2_ATTCTTGCAACGCCCA-1	Autologous
rep2_ATTCTTGCAGCGTGAA-1	Autologous
rep2_ATTCTTGGTAACACCT-1	Autologous
rep2_ATTCTTGGTAGTGGCA-1	Autologous
rep2_ATTCTTGGTATTGGCT-1	Maternal
rep2_ATTCTTGGTGTCACAT-1	Autologous
rep2_ATTCTTGTCAGTAGGG-1	Autologous
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rep2_ATTCTTGTCTGCGATA-1	Autologous
rep2_ATTGGGTAGATGCAGC-1	Maternal
rep2_ATTGGGTAGCGGTATG-1	Autologous
rep2_ATTGGGTCAATAGGAT-1	Autologous
rep2_ATTGGGTCACCACATA-1	Autologous
rep2_ATTGGGTCACGTCATA-1	Autologous

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rep2_ATTGGGTGTATGACAA-1	Maternal
rep2_ATTGGGTGTCGCTCGA-1	Autologous
rep2_ATTGGGTGTGAATATG-1	Autologous
rep2_ATTGGGTTCGAGATAA-1	Maternal
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rep2_ATTGTTCAGGACATCG-1	Autologous
rep2_ATTGTTCCATATGAAG-1	Autologous
rep2_ATTGTTCGTCAGCTTA-1	Autologous
rep2_ATTGTTCGTGAATAAC-1	Autologous
rep2_ATTGTTCTCGACCATA-1	Autologous
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rep2_ATTTACCAGGACACTG-1	Maternal
rep2_ATTTACCGTATCGGTT-1	Maternal
rep2_ATTTACCGTATGAGGC-1	Maternal
rep2_ATTTACCTCGTGCGAC-1	Autologous
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rep2_ATTTCACGTGTTCGAT-1	Maternal
rep2_ATTTCACGTTTCGCTC-1	Autologous
rep2_ATTTCACTCGCCACTT-1	Autologous
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rep2_ATTTCTGGTCAAATCC-1	Autologous
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rep2_ATTTCTGTCTAGGAAA-1	Maternal
rep2_CAAAGAAAGGATTCCT-1	Maternal
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rep2_CAAAGAATCCAACTAG-1	Autologous
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rep2_CAACAACCAAGACCGA-1	Autologous
rep2_CAACAACCATTCACCC-1	Maternal

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rep2_CAACAACTCAAGCTGT-1	Autologous
rep2_CAACAACTCAGTCCGG-1	Autologous
rep2_CAACAACTCCCTATTA-1	Autologous
rep2_CAACAACTCTGCGTCT-1	Autologous
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rep2_CAACCTCTCACCTTAT-1	Autologous
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rep2_CAACGGCCATCGTTCC-1	Autologous

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rep2_CAATGACAGACCCTTA-1	Autologous

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rep2_CAATGACAGGCCATAG-1	Maternal
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rep2_CAATGACGTAAGCGGT-1	Maternal
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rep2_CAGATACAGCTGGCCT-1	Autologous
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rep2_CAGATCAAGTTGAAAC-1	Autologous
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rep2_CAGATTGGTTACCGTA-1	Maternal
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rep2_CAGCAATGTTACCGTA-1	Autologous
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rep2_CAGCAGCCACCAATTG-1	Autologous
rep2_CAGCAGCGTACCTGTA-1	Autologous
rep2_CAGCAGCGTTGCTGAT-1	Autologous
rep2_CAGCAGCTCGTTAGAC-1	Maternal
rep2_CAGCAGCTCTCAGGCG-1	Maternal
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rep2_CAGCCAGCACCAAAGG-1	Autologous
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rep2_CAGCCAGGTCTGGTTA-1	Autologous
rep2_CAGCCAGGTGCAGGAT-1	Autologous
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rep2_CAGGGCTCAACTCATG-1	Autologous
rep2_CAGGGCTCATCTAACG-1	Maternal
rep2_CAGGGCTGTTAAGCAA-1	Autologous
rep2_CAGGGCTTCGGCTCTT-1	Maternal
rep2_CAGGGCTTCGTCGACG-1	Autologous
rep2_CAGGGCTTCTTTCCAA-1	Autologous
rep2_CAGGTATAGAAGCCTG-1	Maternal
rep2_CAGGTATAGCGACTTT-1	Autologous
rep2_CAGGTATAGCTTTCTT-1	Maternal
rep2_CAGGTATAGGTGAGAA-1	Autologous
rep2_CAGGTATCAGGTGTGA-1	Autologous
rep2_CAGGTATGTACGGGAT-1	Maternal
rep2_CAGGTATGTCACGTGC-1	Autologous
rep2_CAGGTATGTGAGCCAA-1	Maternal
rep2_CAGGTATTCGCAGAGA-1	Autologous
rep2_CAGTGCGGTATGAGAT-1	Autologous
rep2_CAGTGCGGTGATTCAC-1	Autologous
rep2_CAGTGCGGTTACCTGA-1	Autologous
rep2_CAGTGCGGTTATGACC-1	Autologous
rep2_CAGTGCGTCACCGACG-1	Maternal
rep2_CAGTGCGTCTACTGAG-1	Maternal
rep2_CAGTTAGAGTAAACTG-1	Maternal
rep2_CAGTTAGAGTTGAAAC-1	Maternal
rep2_CAGTTAGCACCATAAC-1	Autologous
rep2_CAGTTAGCAGCAGTCC-1	Autologous
rep2_CAGTTAGGTATACCTG-1	Autologous

rep2_CAGTTAGGTGTGAGCA-1	Autologous
rep2_CAGTTCCAGCACCCAC-1	Maternal
rep2_CAGTTCCAGGTCGTCC-1	Autologous
rep2_CAGTTCCCAACTACGT-1	Autologous
rep2_CAGTTCCCAATCACGT-1	Autologous
rep2_CAGTTCCCACCTAAAC-1	Autologous
rep2_CAGTTCCCATCTAGAC-1	Maternal
rep2_CAGTTCCCATTCCTCG-1	Maternal
rep2_CAGTTCCGTCATAAAG-1	Autologous
rep2_CAGTTCCGTTAGGACG-1	Autologous
rep2_CAGTTCCTCGGATTAC-1	Maternal
rep2_CAGTTCCTCTGCGAGC-1	Autologous
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rep2_CATAAGCTCCTAGAGT-1	Maternal
rep2_CATACAGCACTGTCGG-1	Maternal
rep2_CATACAGGTACTCAAC-1	Autologous
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rep2_CATACAGTCACGGGAA-1	Maternal
rep2_CATACAGTCGATCCCT-1	Maternal
rep2_CATACAGTCGCCTAGG-1	Autologous
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rep2_CATACTTCAGTTGTTG-1	Autologous
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rep2_CATACTTTCGCTGCGA-1	Maternal

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rep2_CATACTTTCTTAAGGC-1	Maternal
rep2_CATACTTTCTTAGCTT-1	Autologous
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rep2_CATAGACGTATCGCTA-1	Maternal
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rep2_CATAGACTCCATGCAA-1	Autologous
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rep2_CATAGACTCGGCACTG-1	Autologous
rep2_CATAGACTCTGGAAGG-1	Maternal
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rep2_CCGATGGTCACCATCC-1	Autologous
rep2_CCGATGGTCGAAGAAT-1	Autologous
rep2_CCGATGGTCGGATTAC-1	Maternal
rep2_CCGCAAGAGTGCAGGT-1	Autologous
rep2_CCGCAAGCACGTCTCT-1	Maternal
rep2_CCGCAAGGTAAGCTCT-1	Maternal
rep2_CCGCAAGGTTAGGCTT-1	Maternal
rep2_CCGCAAGTCCCAAGTA-1	Maternal
rep2_CCGCAAGTCTAGTCAG-1	Maternal
rep2_CCGGACACACCAGCGT-1	Autologous
rep2_CCGGACACAGCTCGGT-1	Maternal
rep2_CCGGACAGTGCACGCT-1	Autologous
rep2_CCGGACAGTGTAAATG-1	Autologous
rep2_CCGGGTAAGGCGTCCT-1	Autologous
rep2_CCGGGTACAAGCGCTC-1	Autologous
rep2_CCGGGTACACGTCATA-1	Autologous
rep2_CCGGGTACACTTGTCC-1	Autologous
rep2_CCGGGTACAGGTGAGT-1	Maternal
rep2_CCGGGTACATAAGATG-1	Maternal
rep2_CCGGGTAGTAAGTTGA-1	Autologous
rep2_CCGGGTAGTAGCGTAG-1	Maternal
rep2_CCGGGTATCACGGGAA-1	Maternal
rep2_CCGGGTATCGCTTAAG-1	Maternal
rep2_CCGGGTATCGCTTTAT-1	Autologous
rep2_CCGGTAGAGCGTCTGC-1	Autologous
rep2_CCGGTAGAGTTAGAAC-1	Autologous
rep2_CCGGTAGCAAGTACCT-1	Maternal
rep2_CCGGTAGCAGGGACTA-1	Autologous
rep2_CCGGTAGGTGTGGACA-1	Autologous
rep2_CCGGTAGTCTCGTCAC-1	Maternal
rep2_CCGGTAGTCTTCCGTG-1	Autologous
rep2_CCGGTGAAGGTCCCTG-1	Autologous
rep2_CCGGTGAAGGTGGCTA-1	Autologous
rep2_CCGGTGACACATATGC-1	Autologous
rep2_CCGGTGACACTCAGAT-1	Maternal
rep2_CCGGTGAGTATCCTCC-1	Maternal
rep2_CCGGTGATCACTGGTA-1	Maternal
rep2_CCGGTGATCACTGTTT-1	Autologous

rep2_CCGGTGATCCCGAGGT-1	Autologous
rep2_CCGGTGATCCCTTCCC-1	Autologous
rep2_CCGGTGATCCTATTTG-1	Autologous
rep2_CCGGTGATCGCCAGAC-1	Autologous
rep2_CCGGTGATCTCTGCTG-1	Autologous
rep2_CCGTAGGAGAGGACTC-1	Autologous
rep2_CCGTAGGAGAGGCTGT-1	Autologous
rep2_CCGTAGGCAACTTGGT-1	Maternal
rep2_CCGTAGGCAAGACGGT-1	Maternal
rep2_CCGTAGGCACGCGTCA-1	Autologous
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rep2_CCGTAGGGTACTGCCG-1	Autologous
rep2_CCGTAGGGTAGCACAG-1	Maternal
rep2_CCGTAGGGTCGTTGCG-1	Maternal
rep2_CCGTAGGGTGGCATCC-1	Maternal
rep2_CCGTGAGAGCTTTCTT-1	Autologous
rep2_CCGTGAGAGTCGGCCT-1	Maternal
rep2_CCGTGAGCACTATCGA-1	Autologous
rep2_CCGTGAGGTCCAAAGG-1	Autologous
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rep2_CCGTTCACAGCTACAT-1	Autologous
rep2_CCGTTCAGTACCACGC-1	Autologous
rep2_CCGTTCAGTAGATTGA-1	Autologous
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rep2_CCGTTCATCCGCCTAT-1	Autologous
rep2_CCGTTCATCTAGCAAC-1	Autologous
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rep2_CCTAACCAGATGAATC-1	Maternal
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rep2_CCTAACCCACTGTGAT-1	Autologous
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rep2_CCTAACCGTTTCACTT-1	Maternal
rep2_CCTAACCTCATTTCCA-1	Maternal
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rep2_CCTAAGACAACCAGAG-1	Autologous

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rep2_CCTAAGACAGCGTGAA-1	Maternal
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rep2_CCTAAGAGTCAAACGG-1	Autologous
rep2_CCTAAGAGTGGTCTAT-1	Maternal
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rep2_CCTACGTGTCCTACAA-1	Autologous
rep2_CCTACGTGTTATTCTC-1	Maternal
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rep2_CCTCAGTTCTAATTCC-1	Autologous
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rep2_CCTCCAACAAACGTGG-1	Autologous
rep2_CCTCCAACAACTGATC-1	Maternal
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rep2_CGGGACTTCGTTACCC-1	Autologous
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rep2_CGGTCAGGTGAACCGA-1	Autologous
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rep2_CGTAGTAAGCGGTAAC-1	Maternal
rep2_CGTAGTAAGGATACCG-1	Autologous
rep2_CGTAGTACAAGGTCTT-1	Autologous
rep2_CGTAGTAGTAAGGAGA-1	Autologous
rep2_CGTAGTAGTGGAGAAA-1	Autologous
rep2_CGTAGTAGTGGCTGAA-1	Maternal
rep2_CGTAGTAGTGTTCGTA-1	Autologous
rep2_CGTAGTAGTTGCTCCT-1	Maternal
rep2_CGTAGTATCAGCGCAC-1	Maternal
rep2_CGTCAAAAGACAGCTG-1	Maternal
rep2_CGTCAAAAGACTGAGC-1	Autologous
rep2_CGTCAAAAGCTAATCC-1	Autologous
rep2_CGTCAAAAGGTGCTGA-1	Maternal
rep2_CGTCAAAAGGTTATAG-1	Autologous
rep2_CGTCAAAAGTGCACTT-1	Maternal
rep2_CGTCAAACAATCGTCA-1	Autologous

rep2_CGTCAAACAGTCAACT-1	Maternal
rep2_CGTCAAAGTTGCGGCT-1	Autologous
rep2_CGTCAAAGTTTACTTC-1	Autologous
rep2_CGTCAAATCATTGCGA-1	Autologous
rep2_CGTCAAATCCATTGGA-1	Maternal
rep2_CGTCAAATCGCCAACG-1	Autologous
rep2_CGTCCATAGAGCATAT-1	Autologous
rep2_CGTCCATAGGGACACT-1	Autologous
rep2_CGTCCATCACAAATCC-1	Maternal
rep2_CGTCCATCACAATCTG-1	Autologous
rep2_CGTCCATCACAGGATG-1	Autologous
rep2_CGTCCATTCAAATAGG-1	Autologous
rep2_CGTCCATTCCTCATAT-1	Autologous
rep2_CGTCCATTCGTTAGTG-1	Autologous
rep2_CGTCCATTCTGTGTGA-1	Autologous
rep2_CGTGAATAGCTTAGTC-1	Maternal
rep2_CGTGAATAGCTTGTTG-1	Autologous
rep2_CGTGAATAGTGGCAGT-1	Autologous
rep2_CGTGAATCACCAGCTG-1	Autologous
rep2_CGTGAATCACTCCGGA-1	Autologous
rep2_CGTGAATCAGTTGCGC-1	Autologous
rep2_CGTGAATCATCATCCC-1	Autologous
rep2_CGTGAATGTTAAACAG-1	Autologous
rep2_CGTGAATTCCGTATGA-1	Autologous
rep2_CGTGATAAGCCTCATA-1	Autologous
rep2_CGTGATAAGGCAGCTA-1	Autologous
rep2_CGTGATAAGTAGAATC-1	Maternal
rep2_CGTGATACAAGCTGCC-1	Autologous
rep2_CGTGATACACTTCAGA-1	Maternal
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rep2_CGTGATAGTCATCACA-1	Autologous
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rep2_CGTGCTTCAGACCTAT-1	Autologous
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rep2_CGTGCTTGTACCAGAG-1	Autologous
rep2_CGTGCTTGTTCCACAA-1	Autologous
rep2_CGTGCTTGTTGTAAAG-1	Autologous
rep2_CGTGCTTTCGTGGCGT-1	Maternal
rep2_CGTGCTTTCTAGGCCG-1	Maternal
rep2_CGTGTCTAGAGTAACT-1	Autologous
rep2_CGTGTCTAGCTTAAGA-1	Autologous

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rep2_CGTGTCTCACTACTTT-1	Autologous
rep2_CGTGTCTCAGAGATTA-1	Autologous
rep2_CGTGTCTTCCGTATAG-1	Maternal
rep2_CGTGTCTTCTAAGAAG-1	Autologous
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rep2_CGTTAGAAGCGTCAGA-1	Maternal
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rep2_CGTTGGGAGGTTAAAC-1	Autologous
rep2_CGTTGGGCAGAGAAAG-1	Autologous
rep2_CGTTGGGGTCCGAAAG-1	Autologous
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rep2_CTGGCAGAGCACCGAA-1	Autologous
rep2_CTGGCAGAGCTAATGA-1	Autologous
rep2_CTGGCAGAGGCCCACT-1	Autologous
rep2_CTGGCAGCAAGCTGTT-1	Maternal
rep2_CTGGCAGCAATTTCGG-1	Maternal
rep2_CTGGCAGCAGAGATGC-1	Maternal
rep2_CTGGCAGCAGCAGTAG-1	Maternal
rep2_CTGGCAGCAGGGAGAG-1	Autologous
rep2_CTGGCAGCATTGACTG-1	Maternal
rep2_CTGGCAGGTAAGGTCG-1	Maternal
rep2_CTGGCAGGTATCGTAC-1	Autologous
rep2_CTGGCAGTCGTAACCA-1	Maternal
rep2_CTGGTCTAGAACGTGC-1	Autologous
rep2_CTGGTCTAGAAGCGCT-1	Autologous
rep2_CTGGTCTAGAGTGTGC-1	Maternal
rep2_CTGGTCTAGCCGAATG-1	Autologous
rep2_CTGGTCTAGCGAACTG-1	Autologous
rep2_CTGGTCTAGGCTCTAT-1	Autologous
rep2_CTGGTCTAGGGTACGT-1	Autologous
rep2_CTGGTCTAGTGTTCCA-1	Maternal
rep2_CTGGTCTCAATTGGTC-1	Maternal
rep2_CTGGTCTCAGATAAAC-1	Autologous
rep2_CTGGTCTTCCCGTAAA-1	Autologous
rep2_CTGTACCAGGGATCAC-1	Autologous
rep2_CTGTACCAGTATAGGT-1	Autologous
rep2_CTGTACCCACCTGCAG-1	Maternal
rep2_CTGTACCCAGCGTGAA-1	Autologous
rep2_CTGTACCCATAGATGA-1	Autologous
rep2_CTGTACCTCACGATAC-1	Autologous
rep2_CTGTACCTCCATCGTC-1	Autologous
rep2_CTGTACCTCTCACTCG-1	Maternal
rep2_CTGTAGAAGATCGCTT-1	Autologous
rep2_CTGTAGAAGTGCGCTC-1	Maternal
rep2_CTGTAGAAGTTCACTG-1	Autologous
rep2_CTGTAGACAACGGCCT-1	Autologous

rep2_CTGTAGAGTGCCTATA-1	Autologous
rep2_CTGTAGATCGGCCAAC-1	Autologous
rep2_CTGTAGATCGTGGGAA-1	Autologous
rep2_CTGTATTAGACATCCT-1	Maternal
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rep2_CTGTATTCAGTGTACT-1	Autologous
rep2_CTGTATTGTTATCCAG-1	Autologous
rep2_CTGTATTGTTGGTACT-1	Autologous
rep2_CTGTCGTAGAAGCGCT-1	Maternal
rep2_CTGTCGTAGAGTGACC-1	Autologous
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rep2_CTGTCGTAGGTCTGGA-1	Autologous
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rep2_CTGTCGTGTGCTCGTG-1	Maternal
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rep2_CTGTCGTTCCCAATAG-1	Autologous
rep2_CTGTCGTTCTCACTCG-1	Maternal
rep2_CTGTGAAAGAATGTTG-1	Autologous
rep2_CTGTGAAAGACTCGAG-1	Maternal
rep2_CTGTGAAAGGTAAGAG-1	Maternal
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rep2_CTGTGAACACAACGTT-1	Maternal
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rep2_CTTACCGGTCGCAACC-1	Maternal
rep2_CTTACCGGTCTGCATA-1	Maternal
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rep2_CTTACCGTCGGACGTC-1	Autologous
rep2_CTTACCGTCTGTGCAA-1	Autologous
rep2_CTTACCGTCTGTGCGG-1	Maternal

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rep2_CTTCAATAGGCCTGAA-1	Maternal
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rep2_GAGGCAACAAGAAACT-1	Autologous
rep2_GAGGCAAGTAGGCTGA-1	Maternal
rep2_GAGGCAAGTAGTCTGT-1	Autologous
rep2_GAGGCCTAGATCGCTT-1	Autologous
rep2_GAGGCCTAGCACAAAT-1	Autologous

rep2_GAGGCCTAGCCTCATA-1	Autologous
rep2_GAGGCCTCAACCAATC-1	Maternal
rep2_GAGGCCTCAAGCCCAC-1	Autologous
rep2_GAGGCCTCATCCGAAT-1	Maternal
rep2_GAGGCCTGTTATTCCT-1	Autologous
rep2_GAGGCCTTCACACCCT-1	Autologous
rep2_GAGGCCTTCACCTACC-1	Maternal
rep2_GAGGCCTTCAGCTTGA-1	Autologous
rep2_GAGGCCTTCATTCGGA-1	Autologous
rep2_GAGGCCTTCGCTACGG-1	Maternal
rep2_GAGGCCTTCTGAGAAA-1	Maternal
rep2_GAGGGATAGCAATTAG-1	Maternal
rep2_GAGGGATAGGGTGAGG-1	Autologous
rep2_GAGGGATCAATTCGTG-1	Autologous
rep2_GAGGGATCACCCTAGG-1	Maternal
rep2_GAGGGATCACTGGCCA-1	Autologous
rep2_GAGGGATCATAGCACT-1	Autologous
rep2_GAGGGATCATGTTTGG-1	Autologous
rep2_GAGGGATTCGTAGGAG-1	Autologous
rep2_GAGGGATTCGTTAGAC-1	Autologous
rep2_GAGGGATTCTATCGCC-1	Autologous
rep2_GAGGGATTCTCGGGAC-1	Autologous
rep2_GAGGGATTCTGGCTGG-1	Maternal
rep2_GAGGGTAAGAGATTCA-1	Maternal
rep2_GAGGGTAAGAGCACTG-1	Autologous
rep2_GAGGGTATCATCTCTA-1	Autologous
rep2_GAGGGTATCTCTGGTC-1	Maternal
rep2_GAGGGTATCTTTGATC-1	Autologous
rep2_GAGTCATAGAACTTCC-1	Autologous
rep2_GAGTCATAGCCGCTTG-1	Maternal
rep2_GAGTCATGTACAATAG-1	Maternal
rep2_GAGTCATGTCGAAACG-1	Autologous
rep2_GAGTCATGTCTGGTTA-1	Autologous
rep2_GAGTCATGTGAGTTGG-1	Autologous
rep2_GAGTCATTCCCATACC-1	Maternal
rep2_GAGTCATTCGGAGATG-1	Autologous
rep2_GAGTCATTCGTCCTTG-1	Autologous
rep2_GAGTCTAAGATGAAGG-1	Maternal
rep2_GAGTCTAAGCGTTGTT-1	Maternal
rep2_GAGTCTAAGTTGGACG-1	Autologous
rep2_GAGTCTACAGTTGGTT-1	Autologous
rep2_GAGTCTAGTGGGTATG-1	Autologous
rep2_GAGTCTAGTTCCAGGC-1	Maternal
rep2_GAGTCTAGTTTACCAG-1	Maternal

rep2_GAGTCTATCAAACCTG-1	Autologous
rep2_GAGTCTATCCTCACTG-1	Autologous
rep2_GAGTGAGAGAGAACCC-1	Maternal
rep2_GAGTGAGCAAATGAGT-1	Autologous
rep2_GAGTGAGGTCCTATAG-1	Autologous
rep2_GAGTGAGTCATACGGT-1	Autologous
rep2_GAGTGAGTCGCGGACT-1	Maternal
rep2_GAGTGAGTCGTTATCT-1	Autologous
rep2_GAGTGTTAGACGGTTG-1	Autologous
rep2_GAGTGTTAGCACTCAT-1	Autologous
rep2_GAGTGTTAGCCGCTTG-1	Autologous
rep2_GAGTGTTCAAATCGTC-1	Autologous
rep2_GAGTGTTCAATTGCCA-1	Autologous
rep2_GAGTGTTGTACTGCGC-1	Autologous
rep2_GAGTGTTGTCTTCAAG-1	Maternal
rep2_GAGTGTTGTTAAGGGC-1	Autologous
rep2_GAGTGTTGTTGGAGGT-1	Autologous
rep2_GAGTGTTTCCTTGACC-1	Autologous
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rep2_GAGTTACAGAGTTGCG-1	Autologous
rep2_GAGTTACAGCAACCAG-1	Autologous
rep2_GAGTTACAGCTCTGTA-1	Maternal
rep2_GAGTTACCAGCTCATA-1	Maternal
rep2_GAGTTACCAGCTGTTA-1	Maternal
rep2_GAGTTACCATCGGAGA-1	Maternal
rep2_GAGTTACGTTCGGGTC-1	Autologous
rep2_GAGTTACTCCAAGCTA-1	Autologous
rep2_GAGTTGTAGACAGTCG-1	Maternal
rep2_GAGTTGTAGATCCTAC-1	Autologous
rep2_GAGTTGTAGCACTCAT-1	Autologous
rep2_GAGTTGTCATAGAATG-1	Autologous
rep2_GAGTTGTGTAATGATG-1	Autologous
rep2_GAGTTGTGTGAACCGA-1	Autologous
rep2_GAGTTGTTCAGTCCGG-1	Autologous
rep2_GAGTTGTTCGCAACAT-1	Autologous
rep2_GAGTTTGAGAGCACTG-1	Maternal
rep2_GAGTTTGCAGCAGTGA-1	Autologous
rep2_GAGTTTGCAGTTGTCA-1	Autologous
rep2_GAGTTTGCATTGTACG-1	Autologous
rep2_GAGTTTGGTAACCCGC-1	Maternal
rep2_GAGTTTGGTAGGATAT-1	Autologous
rep2_GAGTTTGGTCTTCAAG-1	Autologous
rep2_GAGTTTGGTTACTCAG-1	Maternal
rep2_GAGTTTGTCATCTACT-1	Autologous

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rep2_GATAGAACATAGTCAC-1	Autologous
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rep2_GATAGAAGTTACAGCT-1	Autologous
rep2_GATAGCTAGACATGCG-1	Autologous
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rep2_GATAGCTAGGTTCTAC-1	Maternal
rep2_GATAGCTCATAATGCC-1	Maternal
rep2_GATAGCTGTCATAACC-1	Autologous
rep2_GATCACACAGCAGGAT-1	Autologous
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rep2_GATCACAGTCGATTTG-1	Maternal
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rep2_GATCACATCCTATTTG-1	Autologous
rep2_GATCACATCTGGTCAA-1	Maternal
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rep2_GATCCCTAGGATAATC-1	Maternal
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rep2_GATCCCTTCGGTGCAC-1	Autologous
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rep2_GATCGTACAGTTTGGT-1	Autologous
rep2_GATCGTAGTTCGTGCG-1	Autologous
rep2_GATCGTATCATGCGGC-1	Maternal
rep2_GATCGTATCGTTGTTT-1	Maternal
rep2_GATGACTAGACGCATG-1	Maternal

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rep2_GATGACTAGTTGCCTA-1	Autologous
rep2_GATGACTCAGTCTGGC-1	Autologous
rep2_GATGACTGTGCATACT-1	Autologous
rep2_GATGACTGTTGTCTAG-1	Autologous
rep2_GATGACTGTTTACCAG-1	Autologous
rep2_GATGACTTCAACTTTC-1	Autologous
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rep2_GATGACTTCCGCGGAT-1	Maternal
rep2_GATGACTTCGCTCATC-1	Maternal
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rep2_GATGGAGAGACAGCGT-1	Maternal
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rep2_GATGGAGCAGAGTTCT-1	Autologous
rep2_GATGGAGGTACGATCT-1	Autologous
rep2_GATGGAGGTCGAGCTC-1	Autologous
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rep2_GCAACATAGGCAGTCA-1	Autologous
rep2_GCAACATCAAATGCGG-1	Maternal
rep2_GCAACATCAATAGGGC-1	Maternal

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rep2_GCAACATTCCGCATAA-1	Autologous
rep2_GCAACATTCGCGAAGA-1	Maternal
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rep2_GCAACCGAGGGACACT-1	Maternal
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rep2_GCGGATCTCGATACAC-1	Autologous
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rep2_GCGTGCACATAGACTC-1	Autologous
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rep2_GCTACAACAGGACTTT-1	Autologous
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rep2_GCTACCTCAACAGAGC-1	Autologous
rep2_GCTACCTGTCTTGCGG-1	Maternal
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rep2_GCTACCTTCTCGAGTA-1	Maternal
rep2_GCTCAAAAGACTCTTG-1	Autologous
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rep2_GCTCAAAAGTAAGAGG-1	Autologous
rep2_GCTCAAACAAATGATG-1	Autologous
rep2_GCTCAAACAACTTCTT-1	Maternal
rep2_GCTCAAAGTGCGTTTA-1	Autologous
rep2_GCTCAAATCGTACCTC-1	Maternal
rep2_GCTGAATTCACATCAG-1	Maternal
rep2_GCTGAATTCAGCCCAG-1	Maternal
rep2_GCTGAATTCCGCGGAT-1	Autologous
rep2_GCTGAATTCTATTGTC-1	Autologous
rep2_GCTGCAGAGCGTTCCG-1	Maternal
rep2_GCTGCAGAGGTTCTTG-1	Autologous
rep2_GCTGCAGAGTATTCCG-1	Autologous
rep2_GCTGCAGAGTGCCAGA-1	Autologous
rep2_GCTGCAGCACTTTAGG-1	Autologous
rep2_GCTGCAGGTCGGCTAC-1	Maternal
rep2_GCTGCAGGTCTTTCTA-1	Autologous
rep2_GCTGCAGTCACGTAGT-1	Maternal

rep2_GCTGCAGTCCGTGTGG-1	Autologous
rep2_GCTGGGTAGCGCCTTG-1	Autologous
rep2_GCTGGGTAGTGAGCCA-1	Maternal
rep2_GCTGGGTCAACTCGAT-1	Maternal
rep2_GCTGGGTCAAGGTCGA-1	Autologous
rep2_GCTGGGTCACCGGTCA-1	Maternal
rep2_GCTGGGTTCCGTTGGG-1	Maternal
rep2_GCTGGGTTCCTACAAG-1	Maternal
rep2_GCTGGGTTCGTCGGGT-1	Autologous
rep2_GCTTCACAGCTCTATG-1	Autologous
rep2_GCTTCACAGCTTAAGA-1	Maternal
rep2_GCTTCACAGCTTTCCC-1	Autologous
rep2_GCTTCACAGGGCTTCC-1	Autologous
rep2_GCTTCACCACACAGAG-1	Autologous
rep2_GCTTCACCAGACCAGA-1	Autologous
rep2_GCTTCACGTTGTTGAC-1	Autologous
rep2_GCTTCACTCTTCGGAA-1	Maternal
rep2_GCTTGGGAGCTGAAGC-1	Autologous
rep2_GCTTGGGAGGAGCTGT-1	Autologous
rep2_GCTTGGGAGTCGTTAC-1	Maternal
rep2_GCTTGGGCAAGGCCTC-1	Maternal
rep2_GCTTGGGGTGTGTTTG-1	Autologous
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rep2_GCTTTCGAGCTGAGTG-1	Autologous
rep2_GCTTTCGAGTTGGAGC-1	Autologous
rep2_GCTTTCGGTTGCCGAC-1	Maternal
rep2_GCTTTCGGTTGGCCGT-1	Maternal
rep2_GCTTTCGTCCCAATAG-1	Maternal
rep2_GCTTTCGTCGAACCAT-1	Autologous
rep2_GCTTTCGTCTCGTGGG-1	Autologous
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rep2_GGAACCCAGCGTATAA-1	Autologous
rep2_GGAACCCAGGGTTTCT-1	Maternal
rep2_GGAACCCAGGTGCAGT-1	Autologous
rep2_GGAACCCCAGTATGAA-1	Maternal
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rep2_GGAACCCGTCAAAGAT-1	Autologous
rep2_GGAACCCGTCATCCCT-1	Autologous
rep2_GGAACCCGTCGTTGGC-1	Autologous
rep2_GGAACCCTCGCCCAGA-1	Autologous
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rep2_GGAATCTAGTGATAGT-1	Autologous
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rep2_GGAATCTGTAATCAGA-1	Autologous
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rep2_GGAATCTGTGATTCAC-1	Autologous
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rep2_GGATGTTCACGCAGTC-1	Maternal
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rep2_GGTGATTTCTACGCAA-1	Maternal

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rep2_GGTTCTCTCTGTCAGA-1	Autologous
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rep2_GTAACCACATTGCTGA-1	Autologous
rep2_GTAACCAGTATCGTGT-1	Autologous
rep2_GTAACCAGTGATAGTA-1	Maternal
rep2_GTAACCAGTGCGTTTA-1	Autologous
rep2_GTAACCATCAATCTTC-1	Autologous
rep2_GTAACCATCCAAAGGG-1	Maternal
rep2_GTAACCATCCCGAGTG-1	Maternal
rep2_GTAACCATCGACGCTG-1	Autologous
rep2_GTAACCATCTCTGCTG-1	Autologous
rep2_GTAAGTCAGAAGGTAG-1	Maternal
rep2_GTAAGTCAGCATTGAA-1	Maternal
rep2_GTAAGTCAGCGCTGAA-1	Autologous
rep2_GTAAGTCAGCGTGCCT-1	Maternal
rep2_GTAAGTCAGGTCCGAA-1	Autologous
rep2_GTAAGTCAGTTTCGAC-1	Autologous
rep2_GTAAGTCCAGTAGGAC-1	Autologous
rep2_GTAAGTCGTTGCACGC-1	Autologous
rep2_GTAAGTCTCCTGTTAT-1	Autologous
rep2_GTAAGTCTCGCCATAA-1	Maternal
rep2_GTAATCGAGACTCTTG-1	Maternal
rep2_GTAATCGAGATAGCTA-1	Autologous
rep2_GTAATCGAGTGCTAGG-1	Autologous
rep2_GTAATCGGTCTAGTGT-1	Maternal
rep2_GTAATCGGTGCGAACA-1	Maternal
rep2_GTAATCGGTGGACAGT-1	Maternal
rep2_GTAATCGGTGGATTTC-1	Autologous
rep2_GTAATCGGTTTCGGCG-1	Autologous
rep2_GTAATCGTCACACGAT-1	Autologous
rep2_GTAATCGTCACCGCTT-1	Maternal
rep2_GTAATCGTCCCAAGCG-1	Maternal
rep2_GTAATCGTCGCTAGCG-1	Autologous
rep2_GTAATGCCAGCAGTAG-1	Maternal
rep2_GTAATGCCAGTTGTCA-1	Autologous
rep2_GTAATGCCATAACCCA-1	Autologous
rep2_GTAATGCGTCCTTTGC-1	Autologous
rep2_GTAATGCGTTTACTTC-1	Maternal
rep2_GTAATGCTCGAAGCAG-1	Autologous
rep2_GTACAACAGATGCAGC-1	Autologous

rep2_GTACAACAGGGTTGCA-1	Autologous
rep2_GTACAACAGGTAGTCG-1	Autologous
rep2_GTACAACAGTACAGAT-1	Maternal
rep2_GTACAACCACAGTGTT-1	Autologous
rep2_GTACAACTCAACGCTA-1	Autologous
rep2_GTACAACTCTTCCTAA-1	Autologous
rep2_GTACAGTAGAGTGTTA-1	Autologous
rep2_GTACAGTAGCTAGATA-1	Autologous
rep2_GTACAGTCATGCACTA-1	Autologous
rep2_GTACAGTGTGCCTATA-1	Autologous
rep2_GTACAGTGTGTTTCTT-1	Maternal
rep2_GTACAGTTCAGTCCGG-1	Autologous
rep2_GTAGAAACATGCCATA-1	Autologous
rep2_GTAGAAAGTACGAAAT-1	Autologous
rep2_GTAGAAAGTCAATGGG-1	Autologous
rep2_GTAGAAAGTCATAAAG-1	Maternal
rep2_GTAGAAAGTCGATTTG-1	Maternal
rep2_GTAGAAAGTGCCTAAT-1	Autologous
rep2_GTAGAAATCAGTCACA-1	Autologous
rep2_GTAGAAATCCGATAAC-1	Maternal
rep2_GTAGAGGAGAAGAACG-1	Autologous
rep2_GTAGAGGAGACCATTC-1	Maternal
rep2_GTAGAGGAGACGCTCC-1	Maternal
rep2_GTAGAGGAGGCCATAG-1	Maternal
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rep2_GTAGAGGAGTCGTCTA-1	Autologous
rep2_GTAGAGGAGTTGCTGT-1	Maternal
rep2_GTAGAGGCACCGGTCA-1	Autologous
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rep2_GTAGAGGGTGCACAAG-1	Maternal
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rep2_GTAGATCAGTCTCTGA-1	Autologous
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rep2_GTAGATCCAGCAAGAC-1	Maternal
rep2_GTAGATCGTGCGACAA-1	Autologous
rep2_GTAGATCTCTGTGCTC-1	Autologous
rep2_GTAGATCTCTTCACGC-1	Autologous
rep2_GTAGCTAAGAGTGAAG-1	Autologous
rep2_GTAGCTAAGGAACTCG-1	Maternal
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rep2_GTAGCTATCGGTCGAC-1	Maternal
rep2_GTAGGAGAGAAATCCA-1	Autologous

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rep2_GTAGGAGTCTGAATGC-1	Maternal
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rep2_GTAGTACCAGAAATTG-1	Autologous
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rep2_GTAGTACTCTTTGCGC-1	Maternal
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rep2_GTCAAACTCCTCGATC-1	Maternal

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rep2_GTGTAACAGCTAAACA-1	Autologous
rep2_GTGTAACAGCTCCCTT-1	Maternal
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rep2_GTGTTCCGTCATGCAT-1	Maternal
rep2_GTGTTCCGTGGGATTG-1	Autologous
rep2_GTGTTCCGTTCCTAAG-1	Maternal
rep2_GTGTTCCTCTACAGGT-1	Autologous
rep2_GTTACAGAGATACAGT-1	Autologous
rep2_GTTACAGAGCACACCC-1	Autologous
rep2_GTTACAGAGCTGAGCA-1	Maternal
rep2_GTTACAGCACCTGTCT-1	Autologous
rep2_GTTACAGCATAGGAGC-1	Autologous

rep2_GTTACAGGTATGTCTG-1	Autologous
rep2_GTTACAGGTCGATGCC-1	Maternal
rep2_GTTACAGTCAGGGATG-1	Autologous
rep2_GTTACCCAGACATCCT-1	Maternal
rep2_GTTACCCAGTCGCGAA-1	Autologous
rep2_GTTACCCCATGGGAAC-1	Autologous
rep2_GTTACCCGTCCCGCAA-1	Autologous
rep2_GTTACCCTCAAAGAAC-1	Autologous
rep2_GTTACCCTCAGACCGC-1	Autologous
rep2_GTTACCCTCAGCGTCG-1	Autologous
rep2_GTTACCCTCCCAGGAC-1	Autologous
rep2_GTTACCCTCCCGAGGT-1	Maternal
rep2_GTTACGAAGAGTCACG-1	Autologous
rep2_GTTACGAAGCGCCATC-1	Autologous
rep2_GTTACGACAAACCGGA-1	Autologous
rep2_GTTACGAGTTCTAAGC-1	Maternal
rep2_GTTACGATCAACACCA-1	Autologous
rep2_GTTACGATCACTTTGT-1	Autologous
rep2_GTTACGATCAGTCACA-1	Autologous
rep2_GTTACGATCAGTCTTT-1	Maternal
rep2_GTTACGATCCATTCAT-1	Autologous
rep2_GTTACGATCCCAAGCG-1	Autologous
rep2_GTTACGATCCTAACAG-1	Autologous
rep2_GTTACGATCGAGTTGT-1	Autologous
rep2_GTTAGACAGACTGGGT-1	Autologous
rep2_GTTAGACAGGTGCTGA-1	Autologous
rep2_GTTAGACCAATTTCTC-1	Autologous
rep2_GTTAGACCACAGTATC-1	Autologous
rep2_GTTAGACCACCTGCAG-1	Autologous
rep2_GTTAGTGCAAATAAGC-1	Autologous
rep2_GTTAGTGCAGGCTACC-1	Maternal
rep2_GTTAGTGTCCAGCTCT-1	Autologous
rep2_GTTATGGCACTTGTGA-1	Autologous
rep2_GTTATGGGTGTTCGAT-1	Autologous
rep2_GTTATGGTCAAGTCGT-1	Maternal
rep2_GTTATGGTCGCCCAGA-1	Autologous
rep2_GTTATGGTCGGACCAC-1	Autologous
rep2_GTTCATTAGGACAAGA-1	Autologous
rep2_GTTCATTAGTCAGCCC-1	Maternal
rep2_GTTCATTCAAAGAGTT-1	Autologous
rep2_GTTCATTCAAGCGAAC-1	Maternal
rep2_GTTCATTCACGTCGGT-1	Autologous
rep2_GTTCATTCAGGACAGT-1	Autologous
rep2_GTTCATTGTACCTTCC-1	Maternal

rep2_GTTCATTGTTAGGCTT-1	Autologous
rep2_GTTCATTGTTGTCTAG-1	Autologous
rep2_GTTCATTTCACCTGGG-1	Autologous
rep2_GTTCATTTCATTCATC-1	Maternal
rep2_GTTCATTTCCTTTGAT-1	Maternal
rep2_GTTCCGTAGCCAGACA-1	Autologous
rep2_GTTCCGTAGTAACCTC-1	Autologous
rep2_GTTCCGTAGTAGACAT-1	Autologous
rep2_GTTCCGTAGTGCAACG-1	Maternal
rep2_GTTCCGTCAATCACGT-1	Maternal
rep2_GTTCCGTCAGTATTCG-1	Autologous
rep2_GTTCCGTTCATCTATC-1	Autologous
rep2_GTTCGCTAGAGTCAAT-1	Autologous
rep2_GTTCGCTAGCGTGAGT-1	Autologous
rep2_GTTCGCTAGGACAGTC-1	Autologous
rep2_GTTCGCTCAGTCGCAC-1	Autologous
rep2_GTTCGCTGTGAACGGT-1	Autologous
rep2_GTTCGCTGTGCCTTTC-1	Autologous
rep2_GTTCGCTTCAGCTAGT-1	Autologous
rep2_GTTCGCTTCATTTCGT-1	Maternal
rep2_GTTCGCTTCCTCTAGC-1	Autologous
rep2_GTTCTATAGCGTCAGA-1	Autologous
rep2_GTTCTATAGGCCCGTT-1	Autologous
rep2_GTTCTATAGTGATAAC-1	Autologous
rep2_GTTCTATAGTGTCATC-1	Autologous
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rep2_GTTCTATCATTATGCG-1	Autologous
rep2_GTTCTATGTTACGGAG-1	Maternal
rep2_GTTCTATTCATTGCGA-1	Maternal
rep2_GTTCTATTCCGAAATC-1	Autologous
rep2_GTTCTATTCGATTCCC-1	Maternal
rep2_GTTGAACAGCATCCTA-1	Autologous
rep2_GTTGAACAGTCTAACC-1	Autologous
rep2_GTTGAACCAACCACAT-1	Autologous
rep2_GTTGAACCACTCATAG-1	Maternal
rep2_GTTGAACTCGTCACCT-1	Maternal
rep2_GTTGAACTCTCTCGCA-1	Autologous
rep2_GTTGAACTCTGCAGCG-1	Autologous
rep2_GTTGCGGAGATGAATC-1	Maternal
rep2_GTTGCGGAGCAAATGT-1	Autologous
rep2_GTTGCGGAGGTTACAA-1	Autologous
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rep2_GTTGCGGCACTGGCCA-1	Autologous

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rep2_GTTGCGGCAGGTGTTT-1	Autologous
rep2_GTTGCGGGTCATATGC-1	Maternal
rep2_GTTGCGGGTCTTCGAA-1	Maternal
rep2_GTTGCGGTCTGAATGC-1	Autologous
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rep2_GTTGCTCAGCTGACCC-1	Autologous
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rep2_GTTGCTCCAGAACTAA-1	Maternal
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rep2_GTTGCTCTCGTCGGGT-1	Autologous
rep2_GTTGTAGAGAGGTGCT-1	Autologous
rep2_GTTGTAGCAAGCTGTT-1	Autologous
rep2_GTTGTAGCACACTTAG-1	Autologous
rep2_GTTGTAGCACGCAAAG-1	Autologous
rep2_GTTGTAGCAGGGATAC-1	Autologous
rep2_GTTGTAGGTCAGCGTC-1	Autologous
rep2_GTTGTAGGTCATACCA-1	Maternal
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rep2_GTTGTGACAATTGAAG-1	Maternal
rep2_GTTGTGACACAGCTTA-1	Maternal
rep2_GTTGTGACATCTGGGC-1	Maternal
rep2_GTTGTGAGTTCTCACC-1	Autologous
rep2_GTTGTGATCCATCTCG-1	Autologous
rep2_GTTGTGATCCTACGGG-1	Autologous
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rep2_GTTTACTCAATGACCT-1	Autologous
rep2_GTTTACTCAGAGAGGG-1	Autologous
rep2_GTTTACTGTTCGGACC-1	Maternal
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rep2_GTTTACTTCCATACAG-1	Maternal
rep2_GTTTACTTCCATACTT-1	Autologous

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rep2_GTTTGGAAGTGAGGTC-1	Autologous
rep2_GTTTGGAAGTTGCGCC-1	Maternal
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rep2_GTTTGGAGTGGACTAG-1	Autologous
rep2_GTTTGGATCATACAGC-1	Autologous
rep2_GTTTGGATCTACGGTA-1	Autologous
rep2_GTTTGGATCTGATTCT-1	Maternal
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rep2_TAACACGAGCATTTCG-1	Autologous
rep2_TAACACGCAATCGCCG-1	Autologous
rep2_TAACACGCACACTGGC-1	Autologous
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rep2_TAACACGGTTCGTAAC-1	Autologous
rep2_TAACACGGTTGTACGT-1	Maternal
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rep2_TAACCAGCAGCGGATA-1	Autologous
rep2_TAACCAGGTATTTCTC-1	Autologous
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rep2_TAACCAGGTGCTTATG-1	Autologous
rep2_TAACCAGTCCGAAATC-1	Maternal
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rep2_TAACTTCCATGGTACT-1	Maternal
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rep2_TAACTTCGTGAGTAGC-1	Autologous
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rep2_TAAGCACAGTTGCTGT-1	Autologous
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rep2_TAAGCACCAGCGATTT-1	Autologous
rep2_TAAGCACGTAACGATA-1	Autologous
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rep2_TACAACGAGACGACTG-1	Maternal
rep2_TACAACGAGATGTAGT-1	Autologous
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rep2_TAGACTGAGCTGAAAT-1	Maternal
rep2_TAGACTGAGTACGTCT-1	Maternal
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rep2_TAGACTGGTCCAATCA-1	Autologous
rep2_TAGACTGGTGATGTAA-1	Autologous
rep2_TAGACTGTCCGCCTAT-1	Autologous
rep2_TAGACTGTCGATGCTA-1	Autologous
rep2_TAGACTGTCGCCGAGT-1	Maternal

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rep2_TAGACTGTCTCCCATG-1	Autologous
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rep2_TAGATCGCACTACGGC-1	Autologous
rep2_TAGATCGCATTCGATG-1	Autologous
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rep2_TAGATCGTCCGAGAAG-1	Autologous
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rep2_TAGGAGGCACGTAGTT-1	Autologous
rep2_TAGGAGGCAGCAGTCC-1	Autologous
rep2_TAGGAGGCATAACCCA-1	Autologous
rep2_TAGGAGGCATGTGACT-1	Maternal
rep2_TAGGAGGGTGTATTGC-1	Maternal
rep2_TAGGAGGTCATTCCTA-1	Autologous
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rep2_TAGGGTTAGTGGTGAC-1	Autologous
rep2_TAGGGTTCAACAAGAT-1	Maternal
rep2_TAGGGTTCACCCTTAC-1	Autologous
rep2_TAGGGTTCAGAGATGC-1	Autologous
rep2_TAGGGTTGTACTGTTG-1	Maternal
rep2_TAGGGTTGTGACCGAA-1	Maternal
rep2_TAGGGTTGTGCGTGCT-1	Maternal
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rep2_TAGGTACCAATACCTG-1	Autologous
rep2_TAGGTACCACTAGAGG-1	Autologous
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rep2_TAGGTTGCAGAGAGGG-1	Autologous
rep2_TAGGTTGCAGTCAGCC-1	Autologous
rep2_TAGGTTGGTAGCCCTG-1	Autologous
rep2_TAGGTTGGTATTCTCT-1	Maternal
rep2_TAGGTTGGTTCCGGTG-1	Autologous
rep2_TAGGTTGTCGGACTGC-1	Autologous
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rep2_TAGTGCAAGATCCCAT-1	Maternal
rep2_TAGTGCAAGGTAAGTT-1	Maternal
rep2_TAGTGCAAGTAGAGTT-1	Autologous
rep2_TAGTGCACAAATTGCC-1	Autologous
rep2_TAGTGCACAGAAGTTA-1	Autologous
rep2_TAGTGCACATAACTCG-1	Autologous
rep2_TAGTGCAGTAAGTTGA-1	Maternal
rep2_TAGTGCAGTAGCCAGA-1	Maternal
rep2_TAGTGCAGTGGGACAT-1	Autologous
rep2_TAGTGCAGTTATGACC-1	Maternal
rep2_TAGTGCATCAAACGAA-1	Autologous
rep2_TAGTGCATCTCCCAAC-1	Autologous
rep2_TATACCTAGAACGTGC-1	Autologous
rep2_TATACCTAGCGGATCA-1	Maternal
rep2_TATACCTCAAGCTCTA-1	Maternal
rep2_TATACCTCAATCAAGA-1	Autologous
rep2_TATACCTCATTGTCGA-1	Autologous
rep2_TATACCTTCACCTTAT-1	Autologous
rep2_TATACCTTCCGTCAAA-1	Autologous
rep2_TATACCTTCTTACTGT-1	Autologous
rep2_TATATCCAGTGCCCGT-1	Autologous
rep2_TATATCCCATGGTACT-1	Autologous
rep2_TATATCCGTCTGTGAT-1	Autologous
rep2_TATATCCTCACTAGCA-1	Autologous
rep2_TATATCCTCTATCGCC-1	Autologous
rep2_TATATCCTCTTCGTAT-1	Autologous
rep2_TATCAGGAGAATGTTG-1	Maternal
rep2_TATCAGGAGACGATAT-1	Maternal

rep2_TATCAGGAGTCCGCCA-1	Autologous
rep2_TATCAGGCAACCTATG-1	Autologous
rep2_TATCAGGCATCAGCAT-1	Autologous
rep2_TATCAGGGTCATACCA-1	Autologous
rep2_TATCAGGGTTAAGTCC-1	Autologous
rep2_TATCAGGTCACACCCT-1	Maternal
rep2_TATCAGGTCTCACGAA-1	Maternal
rep2_TATCCTAAGCCTTCTC-1	Autologous
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rep2_TATCGCCAGTGAGGCT-1	Autologous
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rep2_TATCGCCCACGGTCTG-1	Autologous
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rep2_TATCTGTGTCGTTGCG-1	Autologous
rep2_TATCTGTGTTATTCTC-1	Autologous
rep2_TATCTGTTCAGTGGGA-1	Autologous
rep2_TATCTGTTCCCGATCT-1	Maternal
rep2_TATCTGTTCGCACGAC-1	Maternal
rep2_TATCTGTTCGGCATCG-1	Autologous
rep2_TATCTTGAGAGCAGCT-1	Autologous
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rep2_TATCTTGGTATGCTTG-1	Maternal
rep2_TATCTTGGTTCATCGA-1	Maternal
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rep2_TATCTTGTCTTGGTCC-1	Autologous
rep2_TATGTTCAGGTTTACC-1	Autologous
rep2_TATGTTCAGTAGATCA-1	Maternal
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rep2_TATGTTCCATAAGCGG-1	Maternal
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rep2_TATGTTCTCTCCCAAC-1	Autologous

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rep2_TATTTCGCAATAACCC-1	Maternal
rep2_TATTTCGCACAAACGG-1	Autologous
rep2_TATTTCGCACGGCGTT-1	Maternal
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rep2_TATTTCGGTTGTGTAC-1	Maternal

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rep2_TCCTAATAGTCCGCGT-1	Autologous
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rep2_TCCTCCCAGTCGGCAA-1	Autologous
rep2_TCCTCCCAGTGTTCAC-1	Maternal
rep2_TCCTCCCCACTCATAG-1	Autologous
rep2_TCCTCCCCAGTGCCTG-1	Maternal

rep2_TCCTCCCCATTCTCTA-1	Autologous
rep2_TCCTCCCGTCCAACGC-1	Autologous
rep2_TCCTCCCGTCTTCATT-1	Maternal
rep2_TCCTCCCGTGATAGTA-1	Maternal
rep2_TCCTCCCGTGTACAGG-1	Autologous
rep2_TCCTCCCGTTGGACTT-1	Autologous
rep2_TCCTCCCTCAACGAGG-1	Autologous
rep2_TCCTCCCTCGAGAAGC-1	Autologous
rep2_TCCTCCCTCGTCTCAC-1	Maternal
rep2_TCCTCGAAGAGAGTGA-1	Autologous
rep2_TCCTCGAAGCTGAAAT-1	Maternal
rep2_TCCTCGAAGGAAAGTG-1	Autologous
rep2_TCCTCGACACAATCTG-1	Autologous
rep2_TCCTCGACACAGCTTA-1	Maternal
rep2_TCCTCGAGTGGCAGAT-1	Autologous
rep2_TCCTCGAGTTGTATGC-1	Maternal
rep2_TCCTCGATCACCACAA-1	Maternal
rep2_TCCTCGATCATCCTAT-1	Maternal
rep2_TCCTCTTAGATCCAAA-1	Autologous
rep2_TCCTCTTAGGAGAGTA-1	Autologous
rep2_TCCTCTTAGGTTAAAC-1	Maternal
rep2_TCCTCTTAGTAGATCA-1	Autologous
rep2_TCCTCTTAGTAGCCAG-1	Maternal
rep2_TCCTCTTCAATGCAGG-1	Autologous
rep2_TCCTCTTCACCCTTGT-1	Autologous
rep2_TCCTCTTGTCACCGCA-1	Maternal
rep2_TCCTCTTGTCTTCGAA-1	Autologous
rep2_TCCTCTTGTGCTAGCC-1	Autologous
rep2_TCCTCTTGTGTACGCC-1	Autologous
rep2_TCCTCTTTCAAAGAAC-1	Maternal
rep2_TCCTCTTTCCGGACTG-1	Autologous
rep2_TCCTCTTTCCTCTAGC-1	Autologous
rep2_TCCTCTTTCTGACAGT-1	Maternal
rep2_TCCTGCAAGAGTATAC-1	Maternal
rep2_TCCTGCACAACAGCCC-1	Maternal
rep2_TCCTGCACACATATCG-1	Maternal
rep2_TCCTGCATCAAATGAG-1	Maternal
rep2_TCCTGCATCAGATTGC-1	Maternal
rep2_TCCTGCATCATTTCGT-1	Maternal
rep2_TCCTGCATCTGGTTGA-1	Autologous
rep2_TCCTTCTAGCTCATAC-1	Maternal
rep2_TCCTTCTCAAGATGTA-1	Maternal
rep2_TCCTTCTCAGCCTATA-1	Autologous
rep2_TCCTTCTCATAGAATG-1	Autologous

rep2_TCCTTCTGTACGATCT-1	Autologous
rep2_TCCTTCTGTGGAATGC-1	Maternal
rep2_TCCTTCTTCGCTGACG-1	Autologous
rep2_TCCTTTCAGCCACTCG-1	Maternal
rep2_TCCTTTCAGCCTCTGG-1	Autologous
rep2_TCCTTTCCAAGATGTA-1	Autologous
rep2_TCCTTTCCACACCAGC-1	Autologous
rep2_TCCTTTCCACCTAAAC-1	Maternal
rep2_TCCTTTCCATCAGCTA-1	Maternal
rep2_TCCTTTCGTAGATTGA-1	Autologous
rep2_TCCTTTCGTCCTACAA-1	Maternal
rep2_TCCTTTCTCACCTTGC-1	Maternal
rep2_TCCTTTCTCATCAGTG-1	Maternal
rep2_TCCTTTCTCCGTTGAA-1	Autologous
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rep2_TCGAACAAGATGGTAT-1	Autologous
rep2_TCGAACAAGGGACACT-1	Autologous
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rep2_TCGAACACATGACTGT-1	Autologous
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rep2_TCGAAGTAGACGCAGT-1	Autologous
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rep2_TCGAAGTAGATTGTGA-1	Autologous
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rep2_TCGAAGTCAGAGGTAC-1	Autologous
rep2_TCGAAGTCATGGACAG-1	Maternal
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rep2_TCGATTTGTCATAGTC-1	Autologous
rep2_TCGATTTGTGCTAGCC-1	Maternal
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rep2_TGAGCATCAACGATCT-1	Maternal
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rep2_TGAGGGAGTTCTATCT-1	Maternal
rep2_TGAGGGATCATCCTAT-1	Maternal
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rep2_TGATGGTGTCGGTAAG-1	Maternal
rep2_TGATGGTTCCAGCAAT-1	Autologous
rep2_TGATGGTTCGAGAGCA-1	Maternal
rep2_TGATGGTTCGTCCTCA-1	Autologous
rep2_TGATTCTCAGGTCCGT-1	Autologous
rep2_TGATTCTCATTAGGAA-1	Maternal
rep2_TGATTCTGTCTTACAG-1	Maternal
rep2_TGATTCTTCGACATCA-1	Autologous
rep2_TGATTTCAGCCGATCC-1	Maternal
rep2_TGATTTCAGGCGAACT-1	Autologous
rep2_TGATTTCAGTGTGTTC-1	Autologous
rep2_TGATTTCCAATACGAA-1	Autologous
rep2_TGATTTCCATCAGCTA-1	Autologous
rep2_TGATTTCGTAACCAGG-1	Maternal
rep2_TGATTTCGTGGCACTC-1	Maternal
rep2_TGATTTCTCACCTTAT-1	Autologous
rep2_TGATTTCTCGCTAATG-1	Autologous
rep2_TGATTTCTCTAGTACG-1	Autologous
rep2_TGATTTCTCTCAAAGC-1	Autologous
rep2_TGCACGGAGAGTGTGC-1	Maternal
rep2_TGCACGGAGCTGGTGA-1	Autologous
rep2_TGCACGGAGTCGAAGC-1	Autologous
rep2_TGCACGGAGTTTCTTC-1	Autologous
rep2_TGCACGGCAACGACTT-1	Autologous
rep2_TGCACGGCAGTGAGCA-1	Maternal
rep2_TGCACGGGTGCGTCGT-1	Autologous

rep2_TGCACGGGTGGGTTGA-1	Autologous
rep2_TGCAGATAGCAATTCC-1	Maternal
rep2_TGCAGATAGGGCAACT-1	Maternal
rep2_TGCAGATAGGTAACTA-1	Maternal
rep2_TGCAGATAGTCGGCCT-1	Maternal
rep2_TGCAGATCATTCGGGC-1	Autologous
rep2_TGCAGATTCCCGTGTT-1	Autologous
rep2_TGCAGATTCGCAAGAG-1	Autologous
rep2_TGCAGGCAGTTGGAAT-1	Maternal
rep2_TGCAGGCCAACAAAGT-1	Autologous
rep2_TGCAGGCCAACCAGAG-1	Autologous
rep2_TGCAGGCCAAGGTCGA-1	Autologous
rep2_TGCAGGCCAGAGGAAA-1	Autologous
rep2_TGCAGGCCATGAAGCG-1	Autologous
rep2_TGCAGGCGTACTGTTG-1	Autologous
rep2_TGCAGGCGTCATCCGG-1	Maternal
rep2_TGCAGGCGTTCGGTTA-1	Autologous
rep2_TGCAGGCTCGTAGGAG-1	Autologous
rep2_TGCAGTAAGCCTAACT-1	Autologous
rep2_TGCAGTAGTTGACGGA-1	Autologous
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rep2_TGCATCCAGTCCCGAC-1	Autologous
rep2_TGCATCCGTCTGTAAC-1	Autologous
rep2_TGCATCCGTGATACTC-1	Autologous
rep2_TGCATGAAGATGTTCC-1	Autologous
rep2_TGCATGAAGGCGATAC-1	Maternal
rep2_TGCATGAAGTTCGCAT-1	Autologous
rep2_TGCATGAGTAATTGGA-1	Autologous
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rep2_TGCATGATCACCACAA-1	Autologous
rep2_TGCATGATCAGTCAGT-1	Maternal
rep2_TGCATGATCCTGATAG-1	Autologous
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rep2_TGCATGATCGCTGATA-1	Autologous
rep2_TGCATGATCTGCGATA-1	Maternal
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rep2_TGCCGAGAGGATACCG-1	Maternal
rep2_TGCCGAGAGTAGCTCT-1	Autologous
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rep2_TGCCGAGCAGACAAGC-1	Maternal
rep2_TGCCGAGCAGTAACCT-1	Autologous
rep2_TGCCGAGGTCCCTGAG-1	Autologous
rep2_TGCCGAGTCCCGAGTG-1	Autologous
rep2_TGCCGAGTCTCACGAA-1	Maternal

rep2_TGCCGAGTCTTCGGTC-1	Maternal
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rep2_TGCGACGGTAACAAGT-1	Autologous
rep2_TGCGACGTCAGGTAAA-1	Maternal
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rep2_TGCGATACAAGTGTCT-1	Autologous
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rep2_TGCGATATCAAGCCCG-1	Autologous
rep2_TGCGATATCCAGTGTA-1	Maternal
rep2_TGCGATATCTTGAACG-1	Autologous
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rep2_TGCGGGTTCCAATCCC-1	Autologous
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rep2_TGCGGGTTCGACATAC-1	Maternal
rep2_TGCGGGTTCTTTGCTA-1	Autologous
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rep2_TGGAACTGTGTCGATT-1	Autologous
rep2_TGGAACTTCGTACCTC-1	Autologous
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rep2_TGGAGGACAATTTCTC-1	Autologous

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rep2_TGGATCACATTCAGCA-1	Autologous
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rep2_TGGATCAGTTCGGCCA-1	Maternal
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rep2_TGGGAAGGTCCATCTC-1	Autologous

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rep2_TGTCCACTCCGCTAGG-1	Autologous
rep2_TGTCCACTCGTGTCAA-1	Autologous
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rep2_TGTTCCGGTACGTAGG-1	Autologous
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rep2_TGTTCCGGTTGGTACT-1	Autologous
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rep2_TGTTGAGAGGGCAAGG-1	Autologous
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rep2_TGTTTGTAGGCCTTGC-1	Autologous
rep2_TGTTTGTAGTTCACTG-1	Maternal
rep2_TGTTTGTAGTTCCGGC-1	Autologous
rep2_TGTTTGTCAAGGTACG-1	Autologous
rep2_TGTTTGTCACAGCCTG-1	Autologous
rep2_TGTTTGTCACTAACCA-1	Maternal
rep2_TGTTTGTGTATATGGA-1	Autologous

rep2_TGTTTGTGTCGGCTAC-1	Autologous
rep2_TGTTTGTGTGGAAATT-1	Maternal
rep2_TGTTTGTGTTTGTTGG-1	Autologous
rep2_TGTTTGTTCACACCCT-1	Autologous
rep2_TGTTTGTTCGCCGAAC-1	Maternal
rep2_TGTTTGTTCTGCGATA-1	Maternal
rep2_TTAATCCAGCAGTCTT-1	Maternal
rep2_TTAATCCAGGACGCTA-1	Autologous
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rep2_TTAATCCGTAACTAAG-1	Autologous
rep2_TTAATCCGTGGTACAG-1	Autologous
rep2_TTAATCCGTGTCTCCT-1	Autologous
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rep2_TTAATCCTCGTCAAAC-1	Autologous
rep2_TTACAGGAGCGGCTCT-1	Autologous
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rep2_TTACAGGAGGTGATAT-1	Autologous
rep2_TTACAGGCACACGTGC-1	Maternal
rep2_TTACAGGTCAGTGTTG-1	Autologous
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rep2_TTACCATCAAGCTCTA-1	Autologous
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rep2_TTACCATGTAATCAGA-1	Maternal
rep2_TTACCATGTTTCTTAC-1	Maternal
rep2_TTACCATGTTTGTTCT-1	Autologous
rep2_TTACCATTCGGCTGAC-1	Autologous
rep2_TTACCATTCTGCATGA-1	Autologous
rep2_TTACCATTCTGTCCGT-1	Autologous
rep2_TTACCGCAGAGCAGAA-1	Autologous
rep2_TTACCGCAGTCGTTAC-1	Autologous
rep2_TTACCGCAGTGGTCAG-1	Maternal
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rep2_TTACCGCCAAGCCTGC-1	Maternal
rep2_TTACCGCCACTAGGCC-1	Maternal
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rep2_TTACCGCCATTCATCT-1	Autologous
rep2_TTACCGCCATTGACCA-1	Maternal
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rep2_TTACCGCGTCTCGACG-1	Autologous
rep2_TTACCGCTCAAGGACG-1	Autologous

rep2_TTACCGCTCAGACATC-1	Maternal
rep2_TTACCGCTCATGGGAG-1	Autologous
rep2_TTACGCCAGTCATACC-1	Maternal
rep2_TTACGCCCATGGGTCC-1	Maternal
rep2_TTACGCCGTCGTATGT-1	Maternal
rep2_TTACGCCGTTTAGACC-1	Autologous
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rep2_TTACGCCTCATTGTTC-1	Maternal
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rep2_TTTCACACATGAATAG-1	Autologous
rep2_TTTCACATCCCAGGCA-1	Autologous
rep2_TTTCACATCTCCGCAT-1	Autologous
rep2_TTTCACATCTGAGGTT-1	Maternal
rep2_TTTCACATCTGGGCCA-1	Autologous
rep2_TTTCAGTAGCATCCCG-1	Maternal
rep2_TTTCAGTCAACAAGTA-1	Autologous
rep2_TTTCAGTCACCATAAC-1	Maternal
rep2_TTTCAGTCAGAGGCTA-1	Autologous
rep2_TTTCAGTCATGACAAA-1	Autologous
rep2_TTTCAGTCATTGACAC-1	Maternal
rep2_TTTCAGTGTACAGAGC-1	Autologous
rep2_TTTCAGTGTCACAATC-1	Maternal
rep2_TTTCAGTGTTGGATCT-1	Autologous
rep2_TTTCAGTTCATCCCGT-1	Autologous
rep2_TTTCATGAGAGTTGTA-1	Maternal
rep2_TTTCATGAGGCATGCA-1	Maternal
rep2_TTTCATGAGGTAAAGG-1	Autologous
rep2_TTTCATGAGTAACCTC-1	Autologous
rep2_TTTCATGAGTCAAGCG-1	Autologous
rep2_TTTCATGCACGCGTCA-1	Autologous
rep2_TTTCATGGTAGTATAG-1	Maternal
rep2_TTTCATGGTCTCACGG-1	Maternal
rep2_TTTCATGTCTGCGATA-1	Autologous
rep2_TTTCATGTCTGCTCTG-1	Autologous
rep2_TTTCCTCAGAGACAAG-1	Autologous
rep2_TTTCCTCGTAACATAG-1	Autologous

rep2_TTTCCTCTCAGTCAGT-1	Autologous
rep2_TTTCGATAGACCTTTG-1	Autologous
rep2_TTTCGATAGATGGCAC-1	Maternal
rep2_TTTCGATAGCTAGAAT-1	Maternal
rep2_TTTCGATCACACGCCA-1	Maternal
rep2_TTTCGATGTACCTGTA-1	Autologous
rep2_TTTCGATGTATAGCTC-1	Autologous
rep2_TTTCGATGTGCCGGTT-1	Autologous
rep2_TTTCGATTCGAAGCCC-1	Maternal
rep2_TTTCGATTCTACTTCA-1	Maternal
rep2_TTTCGATTCTTTCCGG-1	Autologous
rep2_TTTGACTCAGCGGTTC-1	Autologous
rep2_TTTGACTGTAACTGCT-1	Autologous
rep2_TTTGACTGTGCGTTTA-1	Autologous
rep2_TTTGACTGTTGGACTT-1	Maternal
rep2_TTTGACTTCTTCCACG-1	Maternal
rep2_TTTGATCAGCCAAGTG-1	Autologous
rep2_TTTGATCAGGTTGAGC-1	Autologous
rep2_TTTGATCCACAAGTTC-1	Autologous
rep2_TTTGATCCACACCGCA-1	Autologous
rep2_TTTGATCTCACTTGGA-1	Maternal
rep2_TTTGATCTCCGATAGT-1	Maternal
rep2_TTTGATCTCGTGGCTG-1	Autologous
rep2_TTTGGAGAGAAGTGTT-1	Autologous
rep2_TTTGGAGAGAGGGTCT-1	Maternal
rep2_TTTGGAGAGCGTCTCG-1	Maternal
rep2_TTTGGAGAGGAGAATG-1	Maternal
rep2_TTTGGAGCAAAGCTCT-1	Autologous
rep2_TTTGGAGCATGGCTGC-1	Autologous
rep2_TTTGGAGTCATCACCC-1	Autologous
rep2_TTTGGAGTCATCCCGT-1	Maternal
rep2_TTTGGAGTCCTGGTCT-1	Autologous
rep2_TTTGGAGTCGTGTGGC-1	Autologous
rep2_TTTGGTTAGCATGAAT-1	Autologous
rep2_TTTGGTTAGCTGAGCA-1	Autologous
rep2_TTTGGTTCACAACGAG-1	Autologous
rep2_TTTGGTTCACCGTACG-1	Maternal
rep2_TTTGGTTGTCTGATCA-1	Autologous
rep2_TTTGGTTGTTGGTACT-1	Maternal
rep2_TTTGGTTTCTCGTTTA-1	Autologous
rep2_TTTGTTGAGCCGGAAT-1	Maternal
rep2_TTTGTTGCATCGATAC-1	Autologous
rep2_TTTGTTGTCAATCAGC-1	Maternal
rep2_TTTGTTGTCTAGCCTC-1	Autologous

Table SIX. Number and ratio of autologous and maternal cells in each cluster of the X-SCID patient BMMNCs;

Cluster	Autologous	Maternal	Other	Total	Autologous_per	Maternal_per
0_NK-like	641	2,182	3	2,826	22.68%	77.21%
1_CD14.Mono1	1,570	86	0	1,656	94.81%	5.19%
2_CD4.T_{nai}	38	74	2	114	33.33%	64.91%
3_CD8.T_{eff}1	459	1,299	6	1,764	26.02%	73.64%
4_CD4.T_{CM}	195	489	2	686	28.43%	71.28%
5_CD8.T_{nai}	56	124	0	180	31.11%	68.89%
6_Eryth.1	1,208	27	1	1,236	97.73%	2.18%
7_CD14.Mono2	98	1	0	99	98.99%	1.01%
8_B.N1	532	31	0	563	94.49%	5.51%
9_GMP	1,675	41	0	1,716	97.61%	2.39%
10_B.N2	653	41	0	694	94.09%	5.91%
11_CD14.Mono3	343	16	0	359	95.54%	4.46%
12_Pro.B	120	0	0	120	100.00%	0.00%
13_HSC.CMP	223	4	0	227	98.24%	1.76%
14_CD8.T_{eff}2	67	209	0	276	24.28%	75.72%
15_CD8.T_{EM}	28	104	0	132	21.21%	78.79%
16_GMP.Neut	376	15	1	392	95.92%	3.83%
17_Eryth.2	581	22	0	603	96.35%	3.65%
18_cDC	146	6	0	152	96.05%	3.95%
19_CD4.T_{EM}	7	13	0	20	35.00%	65.00%
20_CD16.Mono	33	1	0	34	97.06%	2.94%
21_Plasma	20	0	0	20	100.00%	0.00%
22_pDC	156	7	0	163	95.71%	4.29%
23_CLP.1	12	1	0	13	92.31%	7.69%
24_CLP.2	3	0	1	4	75.00%	0.00%
25_MEP	159	5	0	164	96.95%	3.05%
26_Mega.Plate	107	51	0	158	67.72%	32.28%
27_DC	121	10	0	131	92.37%	7.63%
28_Unk.1	5	9	0	14	35.71%	64.29%
29_Unk.2	12	32	1	45	26.67%	71.11%

HSC, hemopoietic stem cell; Eryth, erythrocytes; Mega, megakaryocyte; Plate, platelet; Gran, granulocyte; Mono, monocyte; DC, dendritic cell; NK, natural killer; N/nai, naïve; eff, effector; CM, central memory; EM, effector memory; Unk, unknown.

Table SX. Differentially expressed genes between the autologous and maternal in each T and NK-like cell sub-cluster

Gene	p_val	avg_logFC	pct.1	pct.2	cluster
XIST	<0.001	-1.892	0.002	1.000	0_NK-like
XIST	<0.001	-1.819	0.013	1.000	3_CD8.T_{eff}1
CCL4L2	0.050	-0.640	0.329	0.381	3_CD8.T_{eff}1
XIST	<0.001	-1.809	0.005	1.000	4_CD4.T_{CM}
GPATCH8	0.004	0.261	0.308	0.219	4_CD4.T_{CM}
XIST	<0.001	-1.809	0.005	1.000	4_CD4.T_{CM}
GPATCH8	0.004	0.261	0.308	0.219	4_CD4.T_{CM}
XIST	<0.001	-1.993	0.000	1.000	5_CD8.T_{nai}
CWF19L2	0.001	0.564	0.214	0.056	5_CD8.T_{nai}
NEAT1	0.001	-0.384	0.804	0.919	5_CD8.T_{nai}
SLC46A3	0.001	0.365	0.107	0.008	5_CD8.T_{nai}
POLR2J	0.002	-0.497	0.161	0.395	5_CD8.T_{nai}
ENY2	0.002	-0.319	0.214	0.500	5_CD8.T_{nai}
PNPLA2	0.002	0.653	0.268	0.097	5_CD8.T_{nai}
TAGAP	0.003	-0.415	0.036	0.218	5_CD8.T_{nai}
SHISA5	0.003	-0.364	0.321	0.540	5_CD8.T_{nai}
MGAT2	0.003	-0.418	0.018	0.177	5_CD8.T_{nai}
ACP1	0.004	0.319	0.482	0.290	5_CD8.T_{nai}
SLC25A37	0.004	0.509	0.161	0.040	5_CD8.T_{nai}
GIMAP1	0.005	-0.516	0.125	0.315	5_CD8.T_{nai}
AL357060.1	0.005	-0.378	0.018	0.169	5_CD8.T_{nai}
MRPL22	0.005	-0.361	0.000	0.129	5_CD8.T_{nai}
CAMLG	0.005	-0.547	0.071	0.242	5_CD8.T_{nai}
CDC14B	0.005	0.572	0.107	0.016	5_CD8.T_{nai}
FADS1	0.006	0.519	0.125	0.024	5_CD8.T_{nai}
GRAP2	0.006	-0.528	0.107	0.290	5_CD8.T_{nai}
TMEM156	0.006	0.257	0.143	0.032	5_CD8.T_{nai}
FANCA	0.006	0.359	0.107	0.016	5_CD8.T_{nai}
SLC38A10	0.006	-0.329	0.018	0.161	5_CD8.T_{nai}
DENND4C	0.006	0.343	0.107	0.016	5_CD8.T_{nai}
BPTF	0.006	-0.512	0.232	0.427	5_CD8.T_{nai}
RANBP1	0.007	-0.456	0.089	0.258	5_CD8.T_{nai}

RAB27A	0.007	-0.500	0.107	0.282	5_CD8.T_{nai}
CUTC	0.007	-0.304	0.000	0.121	5_CD8.T_{nai}
TMEM205	0.007	-0.306	0.000	0.121	5_CD8.T_{nai}
TP53RK	0.007	-0.345	0.000	0.121	5_CD8.T_{nai}
SLC35D2	0.007	-0.354	0.000	0.121	5_CD8.T_{nai}
CCNK	0.007	-0.379	0.054	0.226	5_CD8.T_{nai}
IFI44	0.007	0.623	0.250	0.113	5_CD8.T_{nai}
ERGIC3	0.008	0.277	0.375	0.185	5_CD8.T_{nai}
SEC62	0.008	-0.294	0.179	0.387	5_CD8.T_{nai}
FAM96A	0.009	-0.312	0.018	0.153	5_CD8.T_{nai}
BCAS2	0.009	-0.396	0.107	0.282	5_CD8.T_{nai}
LENG8	0.009	0.439	0.393	0.218	5_CD8.T_{nai}
PNPLA8	0.009	-0.298	0.000	0.113	5_CD8.T_{nai}
UBA6	0.009	-0.346	0.000	0.113	5_CD8.T_{nai}
BROX	0.009	-0.408	0.000	0.113	5_CD8.T_{nai}
SF3A2	0.009	0.409	0.268	0.113	5_CD8.T_{nai}
CCDC57	0.009	0.269	0.179	0.056	5_CD8.T_{nai}
PHKB	0.010	-0.325	0.018	0.145	5_CD8.T_{nai}
CD99	0.010	-0.289	0.750	0.903	5_CD8.T_{nai}
PARL	0.010	0.361	0.250	0.105	5_CD8.T_{nai}
HNRNPM	0.010	-0.299	0.286	0.492	5_CD8.T_{nai}
UBL5	0.010	0.341	0.768	0.621	5_CD8.T_{nai}
MT2A	0.010	-0.354	0.214	0.427	5_CD8.T_{nai}
POP5	0.011	-0.280	0.054	0.210	5_CD8.T_{nai}
EBNA1BP2	0.011	0.262	0.161	0.048	5_CD8.T_{nai}
RBL2	0.011	-0.278	0.107	0.290	5_CD8.T_{nai}
MED13	0.011	-0.391	0.018	0.145	5_CD8.T_{nai}
CTSD	0.011	-0.325	0.250	0.460	5_CD8.T_{nai}
BLOC1S6	0.011	-0.404	0.036	0.177	5_CD8.T_{nai}
HNRNPU	0.011	-0.394	0.286	0.508	5_CD8.T_{nai}
CD2BP2	0.011	-0.368	0.125	0.298	5_CD8.T_{nai}
GLIPR1	0.012	-0.354	0.196	0.379	5_CD8.T_{nai}
ZNF506	0.012	-0.290	0.000	0.105	5_CD8.T_{nai}
CEBPG	0.012	-0.327	0.000	0.105	5_CD8.T_{nai}
MORF4L1	0.013	-0.387	0.375	0.581	5_CD8.T_{nai}
CORO7	0.013	-0.314	0.054	0.194	5_CD8.T_{nai}

XPA	0.013	-0.349	0.036	0.169	5_CD8.T_{nai}
RICTOR	0.013	0.423	0.321	0.169	5_CD8.T_{nai}
UBE2K	0.014	0.396	0.268	0.129	5_CD8.T_{nai}
NME1	0.014	-0.276	0.018	0.137	5_CD8.T_{nai}
TMEM50B	0.014	-0.272	0.036	0.177	5_CD8.T_{nai}
USP3	0.014	0.438	0.143	0.040	5_CD8.T_{nai}
INTS11	0.015	-0.324	0.071	0.218	5_CD8.T_{nai}
GTF3A	0.015	-0.354	0.375	0.573	5_CD8.T_{nai}
LEPROTL1	0.015	-0.404	0.286	0.460	5_CD8.T_{nai}
STARD3NL	0.015	-0.438	0.036	0.169	5_CD8.T_{nai}
RING1	0.015	-0.320	0.036	0.161	5_CD8.T_{nai}
CNPPD1	0.015	-0.251	0.054	0.202	5_CD8.T_{nai}
MFSD10	0.015	-0.457	0.143	0.306	5_CD8.T_{nai}
ENO1	0.016	-0.334	0.536	0.718	5_CD8.T_{nai}
ARL6IP4	0.016	-0.256	0.321	0.556	5_CD8.T_{nai}
ARAF	0.017	-0.295	0.018	0.129	5_CD8.T_{nai}
CDC26	0.017	-0.439	0.125	0.282	5_CD8.T_{nai}
HNRNPD	0.017	-0.383	0.232	0.427	5_CD8.T_{nai}
ACD	0.017	-0.284	0.036	0.161	5_CD8.T_{nai}
TWF1	0.017	-0.315	0.018	0.129	5_CD8.T_{nai}
PRDX6	0.017	-0.307	0.179	0.363	5_CD8.T_{nai}
MRPS21	0.018	-0.374	0.179	0.363	5_CD8.T_{nai}
STAT3	0.018	-0.314	0.393	0.589	5_CD8.T_{nai}
PER1	0.018	0.423	0.214	0.089	5_CD8.T_{nai}
ZNF708	0.019	-0.306	0.018	0.129	5_CD8.T_{nai}
NDUFA13	0.019	-0.360	0.304	0.476	5_CD8.T_{nai}
DCTD	0.019	-0.253	0.018	0.129	5_CD8.T_{nai}
PRDX3	0.019	-0.265	0.018	0.129	5_CD8.T_{nai}
TKT	0.019	-0.339	0.071	0.218	5_CD8.T_{nai}
UBE2G1	0.019	-0.298	0.071	0.210	5_CD8.T_{nai}
CYCS	0.019	-0.283	0.482	0.685	5_CD8.T_{nai}
GBP4	0.020	-0.306	0.214	0.403	5_CD8.T_{nai}
PITHD1	0.020	-0.344	0.089	0.234	5_CD8.T_{nai}
SRPK1	0.020	-0.305	0.036	0.153	5_CD8.T_{nai}
FAM192A	0.021	-0.308	0.018	0.129	5_CD8.T_{nai}
BTBD1	0.021	0.284	0.107	0.024	5_CD8.T_{nai}

ILF3	0.021	0.476	0.304	0.169	5_CD8.T_{nai}
RSF1	0.021	0.557	0.429	0.298	5_CD8.T_{nai}
FUS	0.022	-0.288	0.607	0.774	5_CD8.T_{nai}
UGGT1	0.023	-0.367	0.018	0.121	5_CD8.T_{nai}
PRKX	0.024	-0.284	0.036	0.153	5_CD8.T_{nai}
GTF3C5	0.024	-0.269	0.018	0.121	5_CD8.T_{nai}
CNPY2	0.024	-0.290	0.054	0.185	5_CD8.T_{nai}
DYNC1LI1	0.024	-0.329	0.036	0.153	5_CD8.T_{nai}
TNPO3	0.025	-0.305	0.018	0.121	5_CD8.T_{nai}
MIR4435-2HG	0.025	0.344	0.250	0.121	5_CD8.T_{nai}
USP7	0.025	0.285	0.179	0.073	5_CD8.T_{nai}
PLEKHJ1	0.025	-0.253	0.125	0.282	5_CD8.T_{nai}
PITPNC1	0.025	0.422	0.196	0.081	5_CD8.T_{nai}
MYO1G	0.025	-0.324	0.357	0.532	5_CD8.T_{nai}
ZNF430	0.026	-0.339	0.054	0.177	5_CD8.T_{nai}
MARK2	0.026	-0.289	0.054	0.177	5_CD8.T_{nai}
HEXDC	0.026	-0.331	0.054	0.177	5_CD8.T_{nai}
PSPC1	0.026	0.367	0.179	0.073	5_CD8.T_{nai}
CELF2	0.026	-0.390	0.393	0.556	5_CD8.T_{nai}
HUWE1	0.026	-0.334	0.018	0.121	5_CD8.T_{nai}
DENND1C	0.027	-0.297	0.054	0.177	5_CD8.T_{nai}
AL118516.1	0.027	-0.258	0.071	0.210	5_CD8.T_{nai}
DNAJC19	0.027	-0.334	0.125	0.274	5_CD8.T_{nai}
VPS28	0.029	-0.373	0.286	0.435	5_CD8.T_{nai}
MRPL4	0.029	-0.289	0.107	0.266	5_CD8.T_{nai}
KIF3B	0.030	0.356	0.143	0.048	5_CD8.T_{nai}
SDF2	0.030	-0.306	0.143	0.282	5_CD8.T_{nai}
SS18L2	0.030	-0.309	0.161	0.323	5_CD8.T_{nai}
EIF5B	0.030	-0.294	0.161	0.306	5_CD8.T_{nai}
TMEM123	0.031	0.360	0.339	0.202	5_CD8.T_{nai}
RAP1B	0.031	0.306	0.839	0.790	5_CD8.T_{nai}
ELOF1	0.031	-0.281	0.071	0.202	5_CD8.T_{nai}
NDUFAB1	0.031	-0.308	0.161	0.315	5_CD8.T_{nai}
AC044849.1	0.032	0.385	0.393	0.266	5_CD8.T_{nai}
SIN3A	0.032	-0.303	0.036	0.145	5_CD8.T_{nai}
TRIR	0.032	-0.260	0.571	0.742	5_CD8.T_{nai}

BCCIP	0.032	0.276	0.125	0.040	5_CD8.T_{nai}
NUCB1	0.033	-0.349	0.143	0.290	5_CD8.T_{nai}
TALDO1	0.033	-0.282	0.179	0.347	5_CD8.T_{nai}
GPATCH2L	0.033	-0.295	0.018	0.113	5_CD8.T_{nai}
BCAS4	0.033	-0.367	0.018	0.113	5_CD8.T_{nai}
SPN	0.034	-0.318	0.393	0.548	5_CD8.T_{nai}
PARK7	0.034	-0.285	0.500	0.677	5_CD8.T_{nai}
DNM1L	0.034	0.320	0.125	0.040	5_CD8.T_{nai}
SQLE	0.035	0.381	0.107	0.032	5_CD8.T_{nai}
USP30-AS1	0.035	0.271	0.161	0.065	5_CD8.T_{nai}
STX8	0.035	-0.261	0.054	0.177	5_CD8.T_{nai}
DAXX	0.035	0.281	0.214	0.097	5_CD8.T_{nai}
BTBD7	0.036	0.266	0.125	0.040	5_CD8.T_{nai}
PSMA5	0.036	-0.314	0.268	0.435	5_CD8.T_{nai}
SPG21	0.036	-0.263	0.036	0.145	5_CD8.T_{nai}
TC2N	0.036	-0.267	0.054	0.169	5_CD8.T_{nai}
MSN	0.036	-0.310	0.500	0.629	5_CD8.T_{nai}
IL7R	0.036	-0.356	0.018	0.113	5_CD8.T_{nai}
EPB41L4A-AS1	0.037	-0.320	0.071	0.194	5_CD8.T_{nai}
FLT3LG	0.038	-0.252	0.054	0.169	5_CD8.T_{nai}
MNAT1	0.039	0.352	0.161	0.065	5_CD8.T_{nai}
SETBP1	0.039	0.331	0.107	0.032	5_CD8.T_{nai}
H1FX	0.039	-0.289	0.429	0.597	5_CD8.T_{nai}
RABAC1	0.039	-0.293	0.393	0.556	5_CD8.T_{nai}
WAPL	0.040	-0.310	0.036	0.137	5_CD8.T_{nai}
VDAC1	0.041	-0.328	0.143	0.290	5_CD8.T_{nai}
MRPL16	0.041	-0.277	0.054	0.161	5_CD8.T_{nai}
DCAF11	0.041	0.435	0.214	0.105	5_CD8.T_{nai}
CD7	0.042	-0.315	0.321	0.508	5_CD8.T_{nai}
BMI1	0.042	-0.350	0.036	0.137	5_CD8.T_{nai}
RHNO1	0.042	0.252	0.107	0.032	5_CD8.T_{nai}
KMT2C	0.042	-0.266	0.054	0.169	5_CD8.T_{nai}
BAZ2A	0.042	-0.326	0.107	0.242	5_CD8.T_{nai}
KMT2E	0.042	-0.408	0.268	0.411	5_CD8.T_{nai}
UCHL5	0.042	-0.319	0.018	0.105	5_CD8.T_{nai}
HGS	0.043	0.405	0.161	0.065	5_CD8.T_{nai}

GK5	0.043	0.276	0.196	0.089	5_CD8.T_{nai}
SDHA	0.044	-0.257	0.196	0.355	5_CD8.T_{nai}
EIF4E2	0.045	-0.265	0.089	0.210	5_CD8.T_{nai}
DHX9	0.045	0.280	0.250	0.129	5_CD8.T_{nai}
GALNT6	0.045	0.274	0.107	0.032	5_CD8.T_{nai}
ATXN2L	0.045	0.296	0.179	0.081	5_CD8.T_{nai}
MX2	0.045	-0.256	0.071	0.194	5_CD8.T_{nai}
HBA1	0.045	0.647	0.661	0.532	5_CD8.T_{nai}
PBXIP1	0.046	-0.265	0.089	0.226	5_CD8.T_{nai}
ZNF593	0.046	-0.318	0.018	0.105	5_CD8.T_{nai}
CLSTN1	0.046	-0.303	0.054	0.161	5_CD8.T_{nai}
NFATC3	0.046	0.283	0.411	0.266	5_CD8.T_{nai}
PTBP1	0.046	0.359	0.339	0.218	5_CD8.T_{nai}
TMEM181	0.047	-0.364	0.071	0.185	5_CD8.T_{nai}
MAP7D1	0.048	0.384	0.214	0.105	5_CD8.T_{nai}
DIP2A	0.048	-0.311	0.089	0.218	5_CD8.T_{nai}
DDX23	0.048	-0.333	0.071	0.177	5_CD8.T_{nai}
COMMD3	0.049	-0.280	0.054	0.153	5_CD8.T_{nai}
CDK5RAP2	0.049	-0.277	0.036	0.129	5_CD8.T_{nai}
SEC31A	0.050	-0.293	0.089	0.202	5_CD8.T_{nai}
XIST	<0.001	-1.832	0.015	1.000	14_CD8.T_{eff}2
EIF1AX	<0.001	-0.437	0.328	0.617	14_CD8.T_{eff}2
RAB11FIP2	<0.001	0.364	0.164	0.038	14_CD8.T_{eff}2
TGFBR3	0.001	-0.364	0.104	0.340	14_CD8.T_{eff}2
KPNA4	0.001	-0.389	0.075	0.278	14_CD8.T_{eff}2
ZCCHC7	0.001	-0.324	0.030	0.196	14_CD8.T_{eff}2
NSA2	0.001	0.319	0.687	0.502	14_CD8.T_{eff}2
CNPY2	0.001	-0.384	0.119	0.321	14_CD8.T_{eff}2
POLR2F	0.002	-0.371	0.149	0.373	14_CD8.T_{eff}2
ANXA5	0.002	-0.289	0.388	0.622	14_CD8.T_{eff}2
PDIA6	0.002	-0.336	0.343	0.589	14_CD8.T_{eff}2
TMEM165	0.002	-0.329	0.090	0.282	14_CD8.T_{eff}2
GSK3A	0.002	0.477	0.299	0.153	14_CD8.T_{eff}2
ZBTB20	0.002	-0.433	0.075	0.258	14_CD8.T_{eff}2
STXBP2	0.002	-0.368	0.149	0.340	14_CD8.T_{eff}2
PPM1A	0.002	-0.311	0.045	0.206	14_CD8.T_{eff}2

RAPGEF1	0.002	0.354	0.373	0.215	14_CD8.T_{eff}2
UQCRH	0.003	-0.281	0.567	0.789	14_CD8.T_{eff}2
OSTF1	0.003	-0.289	0.463	0.679	14_CD8.T_{eff}2
RBM26	0.003	-0.295	0.045	0.201	14_CD8.T_{eff}2
JUN	0.003	0.375	0.881	0.785	14_CD8.T_{eff}2
RNASEH1	0.003	-0.270	0.015	0.148	14_CD8.T_{eff}2
SNRPE	0.003	-0.293	0.209	0.426	14_CD8.T_{eff}2
ATP5PB	0.003	-0.318	0.313	0.555	14_CD8.T_{eff}2
B3GAT1	0.004	-0.289	0.030	0.172	14_CD8.T_{eff}2
IST1	0.004	-0.302	0.045	0.196	14_CD8.T_{eff}2
RAB1A	0.004	-0.346	0.090	0.254	14_CD8.T_{eff}2
SAMD9L	0.004	-0.300	0.254	0.450	14_CD8.T_{eff}2
PDHA1	0.004	-0.290	0.045	0.196	14_CD8.T_{eff}2
RAB5IF	0.004	-0.326	0.313	0.531	14_CD8.T_{eff}2
APPL1	0.004	-0.281	0.030	0.163	14_CD8.T_{eff}2
ITSN2	0.005	-0.262	0.075	0.239	14_CD8.T_{eff}2
MED4	0.005	-0.329	0.134	0.321	14_CD8.T_{eff}2
TXNL1	0.005	-0.288	0.164	0.373	14_CD8.T_{eff}2
PURA	0.005	-0.309	0.164	0.364	14_CD8.T_{eff}2
STK17A	0.005	-0.280	0.284	0.474	14_CD8.T_{eff}2
SSSCA1	0.005	-0.257	0.075	0.234	14_CD8.T_{eff}2
TRAPPC10	0.006	-0.280	0.060	0.206	14_CD8.T_{eff}2
SUPT4H1	0.006	0.300	0.597	0.431	14_CD8.T_{eff}2
PSMA4	0.006	-0.281	0.284	0.517	14_CD8.T_{eff}2
VEZF1	0.006	-0.273	0.030	0.163	14_CD8.T_{eff}2
HNRNPAB	0.006	-0.284	0.134	0.316	14_CD8.T_{eff}2
DESI1	0.006	-0.298	0.060	0.206	14_CD8.T_{eff}2
PRELID1	0.006	-0.285	0.582	0.732	14_CD8.T_{eff}2
CIAO1	0.006	0.307	0.179	0.072	14_CD8.T_{eff}2
TRGC1	0.007	-0.344	0.373	0.579	14_CD8.T_{eff}2
KIN	0.007	-0.269	0.060	0.211	14_CD8.T_{eff}2
STK4	0.007	-0.316	0.657	0.756	14_CD8.T_{eff}2
BIRC6	0.008	-0.286	0.104	0.263	14_CD8.T_{eff}2
EIF1B	0.008	0.412	0.418	0.282	14_CD8.T_{eff}2
TNFAIP3	0.008	0.303	0.821	0.746	14_CD8.T_{eff}2
STAU1	0.009	-0.251	0.075	0.225	14_CD8.T_{eff}2

CYC1	0.010	-0.300	0.209	0.388	14_CD8.T_{eff}2
SLC35E2B	0.010	0.276	0.164	0.067	14_CD8.T_{eff}2
SYNGR1	0.010	-0.356	0.328	0.512	14_CD8.T_{eff}2
SORL1	0.010	-0.285	0.224	0.416	14_CD8.T_{eff}2
SMIM37	0.011	-0.265	0.045	0.167	14_CD8.T_{eff}2
DNAJA2	0.011	-0.289	0.119	0.278	14_CD8.T_{eff}2
IKZF3	0.011	-0.348	0.209	0.378	14_CD8.T_{eff}2
BAG5	0.011	-0.256	0.060	0.201	14_CD8.T_{eff}2
HEXDC	0.011	0.273	0.254	0.134	14_CD8.T_{eff}2
DHX9	0.011	-0.257	0.060	0.187	14_CD8.T_{eff}2
WDR77	0.012	0.272	0.134	0.048	14_CD8.T_{eff}2
PJA2	0.012	0.289	0.239	0.120	14_CD8.T_{eff}2
KIF3A	0.012	-0.272	0.015	0.115	14_CD8.T_{eff}2
TUBB	0.013	-0.277	0.358	0.569	14_CD8.T_{eff}2
SPATA13	0.013	-0.275	0.075	0.206	14_CD8.T_{eff}2
DIAPH1	0.013	-0.279	0.209	0.407	14_CD8.T_{eff}2
FAM117A	0.013	-0.259	0.149	0.316	14_CD8.T_{eff}2
ACAP1	0.014	0.294	0.642	0.555	14_CD8.T_{eff}2
IDS	0.014	-0.283	0.343	0.531	14_CD8.T_{eff}2
CSNK2B	0.014	-0.254	0.299	0.498	14_CD8.T_{eff}2
FKBP2	0.014	-0.318	0.179	0.335	14_CD8.T_{eff}2
MRPL16	0.014	-0.256	0.060	0.187	14_CD8.T_{eff}2
RASGRP1	0.015	-0.279	0.164	0.330	14_CD8.T_{eff}2
DCAF7	0.016	-0.255	0.134	0.282	14_CD8.T_{eff}2
IMP3	0.017	-0.293	0.209	0.383	14_CD8.T_{eff}2
RBBP6	0.017	-0.271	0.179	0.330	14_CD8.T_{eff}2
GZMK	0.019	0.698	0.104	0.033	14_CD8.T_{eff}2
IKBKE	0.020	0.258	0.164	0.072	14_CD8.T_{eff}2
SREK1	0.020	-0.285	0.149	0.287	14_CD8.T_{eff}2
JAK1	0.020	-0.272	0.463	0.627	14_CD8.T_{eff}2
COPZ1	0.021	-0.255	0.194	0.340	14_CD8.T_{eff}2
IFT20	0.022	-0.263	0.090	0.211	14_CD8.T_{eff}2
ACAA2	0.022	0.263	0.403	0.278	14_CD8.T_{eff}2
NFATC3	0.024	0.326	0.507	0.392	14_CD8.T_{eff}2
NDUFB11	0.025	-0.255	0.507	0.708	14_CD8.T_{eff}2
FMR1	0.026	-0.254	0.045	0.144	14_CD8.T_{eff}2

PRELID3B	0.028	0.285	0.209	0.115	14_CD8.T_{eff}2
FAAP20	0.029	0.261	0.299	0.187	14_CD8.T_{eff}2
NSMCE3	0.030	0.326	0.403	0.311	14_CD8.T_{eff}2
DVL3	0.031	0.322	0.104	0.038	14_CD8.T_{eff}2
TMED4	0.031	0.299	0.373	0.273	14_CD8.T_{eff}2
ZBP1	0.034	-0.256	0.209	0.354	14_CD8.T_{eff}2
IFI6	0.036	-0.273	0.716	0.861	14_CD8.T_{eff}2
ZNF281	0.037	-0.252	0.075	0.182	14_CD8.T_{eff}2
SAMSN1	0.038	0.260	0.493	0.388	14_CD8.T_{eff}2
ILF2	0.039	-0.263	0.209	0.344	14_CD8.T_{eff}2
NCK1	0.039	0.351	0.299	0.201	14_CD8.T_{eff}2
DUSP5	0.040	0.491	0.358	0.258	14_CD8.T_{eff}2
PRKCB	0.041	-0.298	0.478	0.646	14_CD8.T_{eff}2
MRPS5	0.041	-0.273	0.119	0.249	14_CD8.T_{eff}2
TTC38	0.042	-0.256	0.403	0.569	14_CD8.T_{eff}2
TAP2	0.049	0.295	0.448	0.354	14_CD8.T_{eff}2

Table SXI. Differentially expressed genes between the patient autologous and healthy cells in each T cell sub-cluster.

Gene	p_val	avg_logFC	pct.1	pct.2	p_val_adj	cluster
IFITM1	<0.001	2.467	0.985	0.143	<0.001	3_CD8.T_{eff}1
GZMH	<0.001	2.478	0.950	0.139	<0.001	3_CD8.T_{eff}1
CCL4	<0.001	2.998	0.932	0.141	<0.001	3_CD8.T_{eff}1
FGFBP2	<0.001	2.713	0.908	0.096	<0.001	3_CD8.T_{eff}1
HLA-C	<0.001	1.170	0.996	0.989	<0.001	3_CD8.T_{eff}1
HLA-B	<0.001	0.926	1.000	0.995	<0.001	3_CD8.T_{eff}1
NKG7	<0.001	2.214	0.989	0.652	<0.001	3_CD8.T_{eff}1
HBB	<0.001	1.746	0.808	0.013	<0.001	3_CD8.T_{eff}1
SH3BGRL3	<0.001	1.215	0.993	0.969	<0.001	3_CD8.T_{eff}1
FOSB	<0.001	-2.059	0.150	0.902	<0.001	3_CD8.T_{eff}1
B2M	<0.001	0.581	1.000	0.998	<0.001	3_CD8.T_{eff}1
PRF1	<0.001	1.877	0.935	0.364	<0.001	3_CD8.T_{eff}1
PFN1	<0.001	1.053	1.000	0.962	<0.001	3_CD8.T_{eff}1
SRGN	<0.001	1.352	0.985	0.755	<0.001	3_CD8.T_{eff}1
LY6E	<0.001	1.411	0.974	0.712	<0.001	3_CD8.T_{eff}1
CST7	<0.001	1.363	0.983	0.607	<0.001	3_CD8.T_{eff}1
HLA-DPB1	<0.001	1.491	0.928	0.373	<0.001	3_CD8.T_{eff}1
LTB	<0.001	-1.996	0.102	0.851	<0.001	3_CD8.T_{eff}1
HLA-A	<0.001	0.707	0.998	0.995	<0.001	3_CD8.T_{eff}1
GZMB	<0.001	2.241	0.739	0.043	<0.001	3_CD8.T_{eff}1
HLA-DRB1	<0.001	1.577	0.869	0.194	<0.001	3_CD8.T_{eff}1
HLA-DPA1	<0.001	1.497	0.908	0.357	<0.001	3_CD8.T_{eff}1
IL32	<0.001	0.862	1.000	0.969	<0.001	3_CD8.T_{eff}1
FOS	<0.001	-1.590	0.222	0.915	<0.001	3_CD8.T_{eff}1
CCL5	<0.001	0.978	1.000	0.938	<0.001	3_CD8.T_{eff}1
RGS1	<0.001	1.920	0.771	0.125	<0.001	3_CD8.T_{eff}1
CXCR4	<0.001	1.498	0.930	0.645	<0.001	3_CD8.T_{eff}1
TSC22D3	<0.001	1.404	0.946	0.721	<0.001	3_CD8.T_{eff}1
HLA-E	<0.001	0.730	0.996	0.987	<0.001	3_CD8.T_{eff}1
HLA-DQA2	<0.001	1.454	0.691	0.063	<0.001	3_CD8.T_{eff}1
EEF1A1	<0.001	-0.545	1.000	0.998	<0.001	3_CD8.T_{eff}1
RARRES3	<0.001	1.108	0.959	0.745	<0.001	3_CD8.T_{eff}1

GZMA	<0.001	1.094	0.985	0.699	<0.001	3_CD8.T_{eff}1
DDIT4	<0.001	1.432	0.802	0.243	<0.001	3_CD8.T_{eff}1
LAIR2	<0.001	1.480	0.636	0.034	<0.001	3_CD8.T_{eff}1
PSME2	<0.001	1.075	0.924	0.647	<0.001	3_CD8.T_{eff}1
TNFAIP3	<0.001	1.413	0.824	0.283	<0.001	3_CD8.T_{eff}1
PRSS23	<0.001	1.348	0.610	0.022	<0.001	3_CD8.T_{eff}1
TCF7	<0.001	-1.180	0.085	0.746	<0.001	3_CD8.T_{eff}1
IL7R	<0.001	-1.720	0.174	0.793	<0.001	3_CD8.T_{eff}1
HBA2	<0.001	1.870	0.560	0.002	<0.001	3_CD8.T_{eff}1
CD3D	<0.001	0.763	0.993	0.928	<0.001	3_CD8.T_{eff}1
PSMB9	<0.001	1.014	0.946	0.766	<0.001	3_CD8.T_{eff}1
PSME1	<0.001	0.849	0.974	0.862	<0.001	3_CD8.T_{eff}1
ARL4C	<0.001	0.962	0.954	0.812	<0.001	3_CD8.T_{eff}1
GAPDH	<0.001	0.803	0.989	0.931	<0.001	3_CD8.T_{eff}1
TMSB10	<0.001	0.560	1.000	0.998	<0.001	3_CD8.T_{eff}1
ARHGDIB	<0.001	0.770	0.985	0.913	<0.001	3_CD8.T_{eff}1
TPT1	<0.001	-0.569	1.000	0.995	<0.001	3_CD8.T_{eff}1
HBA1	<0.001	1.918	0.534	0.000	<0.001	3_CD8.T_{eff}1
METRNL	<0.001	1.151	0.588	0.040	<0.001	3_CD8.T_{eff}1
EMP3	<0.001	0.894	0.948	0.833	<0.001	3_CD8.T_{eff}1
IFITM2	<0.001	1.081	0.915	0.649	<0.001	3_CD8.T_{eff}1
MTRNR2L12	<0.001	-1.029	0.002	0.580	<0.001	3_CD8.T_{eff}1
CD27	<0.001	-0.955	0.083	0.728	<0.001	3_CD8.T_{eff}1
CTSW	<0.001	0.962	0.950	0.734	<0.001	3_CD8.T_{eff}1
FCGR3A	<0.001	1.390	0.593	0.060	<0.001	3_CD8.T_{eff}1
ZFP36	<0.001	1.264	0.878	0.614	<0.001	3_CD8.T_{eff}1
S100A4	<0.001	0.761	0.993	0.924	<0.001	3_CD8.T_{eff}1
MYL12B	<0.001	0.683	0.974	0.917	<0.001	3_CD8.T_{eff}1
CD74	<0.001	1.328	0.898	0.665	<0.001	3_CD8.T_{eff}1
IFI44L	<0.001	1.168	0.547	0.053	<0.001	3_CD8.T_{eff}1
ACTB	<0.001	0.596	1.000	0.995	<0.001	3_CD8.T_{eff}1
CFL1	<0.001	0.624	0.987	0.957	<0.001	3_CD8.T_{eff}1
HLA-DRA	<0.001	1.539	0.732	0.281	<0.001	3_CD8.T_{eff}1
CRIP1	<0.001	1.137	0.699	0.254	<0.001	3_CD8.T_{eff}1
LGALS1	<0.001	1.452	0.739	0.295	<0.001	3_CD8.T_{eff}1
CD2	<0.001	0.840	0.932	0.708	<0.001	3_CD8.T_{eff}1

MYL6	<0.001	0.611	0.985	0.944	<0.001	3_CD8.T_{eff}1
CLIC1	<0.001	0.735	0.952	0.801	<0.001	3_CD8.T_{eff}1
C12orf75	<0.001	0.956	0.804	0.433	<0.001	3_CD8.T_{eff}1
GZMK	<0.001	-1.087	0.161	0.743	<0.001	3_CD8.T_{eff}1
TYMP	<0.001	1.062	0.656	0.199	<0.001	3_CD8.T_{eff}1
EFHD2	<0.001	0.983	0.810	0.429	<0.001	3_CD8.T_{eff}1
CYBA	<0.001	0.651	0.983	0.958	<0.001	3_CD8.T_{eff}1
IFI6	<0.001	1.187	0.667	0.255	<0.001	3_CD8.T_{eff}1
UBE2L6	<0.001	1.001	0.717	0.341	<0.001	3_CD8.T_{eff}1
ARPC3	<0.001	0.602	0.969	0.886	<0.001	3_CD8.T_{eff}1
CD81	<0.001	0.748	0.922	0.710	<0.001	3_CD8.T_{eff}1
UBB	<0.001	0.659	0.956	0.862	<0.001	3_CD8.T_{eff}1
SUB1	<0.001	0.748	0.930	0.803	<0.001	3_CD8.T_{eff}1
PABPC1	<0.001	-0.753	0.697	0.933	<0.001	3_CD8.T_{eff}1
ISG15	<0.001	1.069	0.754	0.417	<0.001	3_CD8.T_{eff}1
EEF1B2	<0.001	-0.563	0.915	0.980	<0.001	3_CD8.T_{eff}1
CEMIP2	<0.001	0.982	0.590	0.161	<0.001	3_CD8.T_{eff}1
ZEB2	<0.001	0.968	0.654	0.199	<0.001	3_CD8.T_{eff}1
BST2	<0.001	0.915	0.760	0.447	<0.001	3_CD8.T_{eff}1
ADGRG1	<0.001	0.917	0.503	0.065	<0.001	3_CD8.T_{eff}1
IRF9	<0.001	0.964	0.597	0.172	<0.001	3_CD8.T_{eff}1
RCAN3	<0.001	-0.716	0.015	0.455	<0.001	3_CD8.T_{eff}1
ARPC2	<0.001	0.573	0.980	0.929	<0.001	3_CD8.T_{eff}1
CALM1	<0.001	0.538	0.989	0.967	<0.001	3_CD8.T_{eff}1
PSMB10	<0.001	0.945	0.595	0.196	<0.001	3_CD8.T_{eff}1
SPON2	<0.001	1.174	0.527	0.111	<0.001	3_CD8.T_{eff}1
IL2RG	<0.001	0.756	0.867	0.678	<0.001	3_CD8.T_{eff}1
LITAF	<0.001	0.809	0.845	0.636	<0.001	3_CD8.T_{eff}1
CX3CR1	<0.001	0.889	0.429	0.045	<0.001	3_CD8.T_{eff}1
CD99	<0.001	0.616	0.943	0.853	<0.001	3_CD8.T_{eff}1
RAP1B	<0.001	0.697	0.891	0.775	<0.001	3_CD8.T_{eff}1
TRBC1	<0.001	1.139	0.867	0.598	<0.001	3_CD8.T_{eff}1
LYZ	<0.001	-0.823	0.113	0.591	<0.001	3_CD8.T_{eff}1
KLRB1	<0.001	-1.455	0.022	0.418	<0.001	3_CD8.T_{eff}1
CHST12	<0.001	0.800	0.728	0.371	<0.001	3_CD8.T_{eff}1
STAT1	<0.001	0.867	0.680	0.315	<0.001	3_CD8.T_{eff}1

XAF1	<0.001	0.935	0.595	0.216	<0.001	3_CD8.T_{eff}1
IFI27	<0.001	1.846	0.351	0.009	<0.001	3_CD8.T_{eff}1
CTSC	<0.001	0.765	0.786	0.500	<0.001	3_CD8.T_{eff}1
CCL4L2	<0.001	1.548	0.329	0.000	<0.001	3_CD8.T_{eff}1
CHCHD2	<0.001	0.579	0.911	0.835	<0.001	3_CD8.T_{eff}1
FLNA	<0.001	0.794	0.821	0.636	<0.001	3_CD8.T_{eff}1
TAP1	<0.001	0.799	0.745	0.453	<0.001	3_CD8.T_{eff}1
EPSTI1	<0.001	0.856	0.444	0.080	<0.001	3_CD8.T_{eff}1
BTG1	<0.001	0.564	0.987	0.978	<0.001	3_CD8.T_{eff}1
S100A6	<0.001	0.532	0.983	0.942	<0.001	3_CD8.T_{eff}1
GBP1	<0.001	0.950	0.584	0.232	<0.001	3_CD8.T_{eff}1
SRP14	<0.001	0.506	0.952	0.913	<0.001	3_CD8.T_{eff}1
DDX3Y	<0.001	-0.568	0.002	0.355	<0.001	3_CD8.T_{eff}1
CLIC3	<0.001	1.042	0.534	0.165	<0.001	3_CD8.T_{eff}1
HSP90AA1	<0.001	0.511	0.969	0.949	<0.001	3_CD8.T_{eff}1
FCRL6	<0.001	0.763	0.479	0.109	<0.001	3_CD8.T_{eff}1
DBI	<0.001	0.703	0.769	0.576	<0.001	3_CD8.T_{eff}1
ITGB1	<0.001	0.774	0.723	0.379	<0.001	3_CD8.T_{eff}1
ARPC4	<0.001	0.699	0.793	0.580	<0.001	3_CD8.T_{eff}1
SELL	<0.001	-0.804	0.048	0.418	<0.001	3_CD8.T_{eff}1
ATM	<0.001	-0.754	0.314	0.764	<0.001	3_CD8.T_{eff}1
RAC2	<0.001	0.569	0.928	0.857	<0.001	3_CD8.T_{eff}1
CORO1A	<0.001	0.516	0.969	0.938	<0.001	3_CD8.T_{eff}1
AC004687.1	<0.001	-0.679	0.107	0.531	<0.001	3_CD8.T_{eff}1
AC007952.4	<0.001	-0.673	0.028	0.382	<0.001	3_CD8.T_{eff}1
IRF1	<0.001	0.761	0.843	0.685	<0.001	3_CD8.T_{eff}1
ABHD17A	<0.001	0.666	0.839	0.678	<0.001	3_CD8.T_{eff}1
OASL	<0.001	0.721	0.375	0.053	<0.001	3_CD8.T_{eff}1
LSP1	<0.001	0.612	0.856	0.705	<0.001	3_CD8.T_{eff}1
EGR1	<0.001	-0.661	0.007	0.333	<0.001	3_CD8.T_{eff}1
PSMB8	<0.001	0.682	0.802	0.625	<0.001	3_CD8.T_{eff}1
ITGB7	<0.001	0.740	0.630	0.332	<0.001	3_CD8.T_{eff}1
SERTAD3	<0.001	0.717	0.333	0.033	<0.001	3_CD8.T_{eff}1
CES1	<0.001	0.724	0.296	0.013	<0.001	3_CD8.T_{eff}1
ACTG1	<0.001	0.522	0.993	0.976	<0.001	3_CD8.T_{eff}1
HLA-DQB1	<0.001	0.789	0.423	0.098	<0.001	3_CD8.T_{eff}1

CALR	<0.001	0.696	0.852	0.712	<0.001	3_CD8.T_{eff}1
MYC	<0.001	-0.556	0.011	0.321	<0.001	3_CD8.T_{eff}1
AQP3	<0.001	-0.574	0.033	0.362	<0.001	3_CD8.T_{eff}1
NELL2	<0.001	-0.550	0.000	0.288	<0.001	3_CD8.T_{eff}1
ARPC1B	<0.001	0.558	0.871	0.770	<0.001	3_CD8.T_{eff}1
TLE4	<0.001	-0.634	0.126	0.522	<0.001	3_CD8.T_{eff}1
CD63	<0.001	0.630	0.747	0.524	<0.001	3_CD8.T_{eff}1
ABI3	<0.001	0.724	0.497	0.190	<0.001	3_CD8.T_{eff}1
CD38	<0.001	0.694	0.303	0.029	<0.001	3_CD8.T_{eff}1
SLC38A2	<0.001	-0.650	0.159	0.556	<0.001	3_CD8.T_{eff}1
TTC38	<0.001	0.682	0.375	0.072	<0.001	3_CD8.T_{eff}1
CLEC2B	<0.001	0.693	0.741	0.554	<0.001	3_CD8.T_{eff}1
S100A11	<0.001	0.670	0.802	0.649	<0.001	3_CD8.T_{eff}1
RNF213	<0.001	0.531	0.887	0.772	<0.001	3_CD8.T_{eff}1
ID2	<0.001	0.847	0.702	0.449	<0.001	3_CD8.T_{eff}1
CTLA4	<0.001	0.703	0.307	0.034	<0.001	3_CD8.T_{eff}1
SERINC5	<0.001	-0.513	0.015	0.310	<0.001	3_CD8.T_{eff}1
NOSIP	<0.001	-0.710	0.296	0.676	<0.001	3_CD8.T_{eff}1
ITGB2	<0.001	0.534	0.906	0.804	<0.001	3_CD8.T_{eff}1
APOBEC3G	<0.001	0.616	0.741	0.518	<0.001	3_CD8.T_{eff}1
KRTCAP2	<0.001	0.652	0.595	0.342	<0.001	3_CD8.T_{eff}1
JUN	<0.001	-0.531	0.863	0.980	<0.001	3_CD8.T_{eff}1
CD53	<0.001	0.621	0.797	0.701	<0.001	3_CD8.T_{eff}1
PSMA7	<0.001	0.558	0.824	0.701	<0.001	3_CD8.T_{eff}1
IER2	<0.001	-0.604	0.763	0.944	<0.001	3_CD8.T_{eff}1
JUND	<0.001	0.547	0.967	0.957	<0.001	3_CD8.T_{eff}1
INTS6	<0.001	-0.632	0.174	0.563	<0.001	3_CD8.T_{eff}1
GABPB1-AS1	<0.001	-0.656	0.153	0.529	<0.001	3_CD8.T_{eff}1
TMEM50A	<0.001	0.615	0.684	0.486	<0.001	3_CD8.T_{eff}1
HLA-DQA1	<0.001	0.697	0.340	0.060	<0.001	3_CD8.T_{eff}1
CD3G	<0.001	0.520	0.898	0.866	<0.001	3_CD8.T_{eff}1
PPIB	<0.001	0.524	0.845	0.732	<0.001	3_CD8.T_{eff}1
PSMB3	<0.001	0.577	0.688	0.511	<0.001	3_CD8.T_{eff}1
IER5	<0.001	-0.597	0.133	0.500	<0.001	3_CD8.T_{eff}1
SLC9A3R1	<0.001	0.609	0.708	0.486	<0.001	3_CD8.T_{eff}1
YWHAQ	<0.001	0.620	0.717	0.554	<0.001	3_CD8.T_{eff}1

LAG3	<0.001	0.755	0.477	0.196	<0.001	3_CD8.T_{eff}1
PATL2	<0.001	0.690	0.447	0.149	<0.001	3_CD8.T_{eff}1
DUSP2	<0.001	0.749	0.749	0.522	<0.001	3_CD8.T_{eff}1
PLEK	<0.001	0.577	0.654	0.333	<0.001	3_CD8.T_{eff}1
KIF19	<0.001	0.566	0.270	0.027	<0.001	3_CD8.T_{eff}1
S1PR5	<0.001	0.658	0.342	0.071	<0.001	3_CD8.T_{eff}1
IFIT3	<0.001	0.631	0.237	0.011	<0.001	3_CD8.T_{eff}1
GNG5	<0.001	0.602	0.669	0.480	<0.001	3_CD8.T_{eff}1
PPP1CA	<0.001	0.512	0.824	0.697	<0.001	3_CD8.T_{eff}1
KLRD1	<0.001	0.864	0.630	0.346	<0.001	3_CD8.T_{eff}1
BRK1	<0.001	0.531	0.725	0.587	<0.001	3_CD8.T_{eff}1
CIB1	<0.001	0.563	0.780	0.658	<0.001	3_CD8.T_{eff}1
IDH2	<0.001	0.666	0.529	0.284	<0.001	3_CD8.T_{eff}1
CEBPB	<0.001	0.780	0.566	0.351	<0.001	3_CD8.T_{eff}1
SCAND1	<0.001	0.571	0.647	0.458	<0.001	3_CD8.T_{eff}1
TAGLN2	<0.001	0.630	0.736	0.582	<0.001	3_CD8.T_{eff}1
MTO1	<0.001	-0.506	0.039	0.310	<0.001	3_CD8.T_{eff}1
CCDC12	<0.001	0.611	0.564	0.337	<0.001	3_CD8.T_{eff}1
SLFN5	<0.001	-0.511	0.196	0.558	<0.001	3_CD8.T_{eff}1
CARD16	<0.001	0.612	0.593	0.364	<0.001	3_CD8.T_{eff}1
ILF3-DT	<0.001	-0.554	0.227	0.585	<0.001	3_CD8.T_{eff}1
SSBP4	<0.001	0.561	0.636	0.429	<0.001	3_CD8.T_{eff}1
OAS1	<0.001	0.546	0.307	0.067	<0.001	3_CD8.T_{eff}1
TUBA4A	<0.001	0.579	0.704	0.540	<0.001	3_CD8.T_{eff}1
ATP1B3	<0.001	0.648	0.486	0.266	<0.001	3_CD8.T_{eff}1
GADD45B	<0.001	-0.545	0.229	0.583	<0.001	3_CD8.T_{eff}1
FGR	<0.001	0.584	0.370	0.118	<0.001	3_CD8.T_{eff}1
SSBP3	<0.001	0.593	0.405	0.158	<0.001	3_CD8.T_{eff}1
SNRPB	<0.001	0.516	0.710	0.563	<0.001	3_CD8.T_{eff}1
SELENOW	<0.001	0.522	0.673	0.518	<0.001	3_CD8.T_{eff}1
MX1	<0.001	0.610	0.399	0.152	<0.001	3_CD8.T_{eff}1
ISG20	<0.001	0.592	0.782	0.676	<0.001	3_CD8.T_{eff}1
BTG2	<0.001	-0.600	0.320	0.661	<0.001	3_CD8.T_{eff}1
IFI35	<0.001	0.600	0.420	0.178	<0.001	3_CD8.T_{eff}1
TGFB1	<0.001	0.527	0.758	0.654	<0.001	3_CD8.T_{eff}1
TENT5C	<0.001	0.601	0.336	0.098	<0.001	3_CD8.T_{eff}1

PDIA3	<0.001	0.555	0.712	0.591	<0.001	3_CD8.T_{eff}1
IRF7	<0.001	0.593	0.373	0.136	<0.001	3_CD8.T_{eff}1
PPP1R18	<0.001	0.532	0.675	0.491	<0.001	3_CD8.T_{eff}1
ADGRE5	<0.001	0.594	0.577	0.366	<0.001	3_CD8.T_{eff}1
RBM38	<0.001	0.626	0.486	0.263	<0.001	3_CD8.T_{eff}1
RUNX3	<0.001	0.543	0.658	0.509	<0.001	3_CD8.T_{eff}1
FBXO6	<0.001	0.517	0.272	0.060	<0.001	3_CD8.T_{eff}1
SELENOK	<0.001	0.534	0.597	0.422	<0.001	3_CD8.T_{eff}1
ARF5	<0.001	0.543	0.455	0.245	<0.001	3_CD8.T_{eff}1
POMP	<0.001	0.522	0.641	0.507	<0.001	3_CD8.T_{eff}1
CD70	<0.001	0.511	0.196	0.018	<0.001	3_CD8.T_{eff}1
RAB5IF	<0.001	0.507	0.466	0.259	<0.001	3_CD8.T_{eff}1
MYOM2	<0.001	0.735	0.163	0.005	<0.001	3_CD8.T_{eff}1
JPT1	<0.001	0.554	0.529	0.337	<0.001	3_CD8.T_{eff}1
BATF	<0.001	0.514	0.403	0.178	<0.001	3_CD8.T_{eff}1
PARP9	<0.001	0.564	0.340	0.125	<0.001	3_CD8.T_{eff}1
CASP1	<0.001	0.560	0.545	0.362	<0.001	3_CD8.T_{eff}1
DYNLL1	<0.001	0.603	0.636	0.496	<0.001	3_CD8.T_{eff}1
GBP4	<0.001	0.571	0.436	0.217	<0.001	3_CD8.T_{eff}1
PLEKHF1	<0.001	0.566	0.351	0.136	<0.001	3_CD8.T_{eff}1
BHLHE40	<0.001	0.544	0.307	0.100	<0.001	3_CD8.T_{eff}1
ZNF683	<0.001	0.541	0.242	0.051	<0.001	3_CD8.T_{eff}1
CD8A	<0.001	0.805	0.617	0.520	<0.001	3_CD8.T_{eff}1
BAX	<0.001	0.593	0.564	0.420	<0.001	3_CD8.T_{eff}1
SYTL3	<0.001	0.531	0.377	0.178	<0.001	3_CD8.T_{eff}1
NAPA	<0.001	0.521	0.399	0.207	<0.001	3_CD8.T_{eff}1
MIEN1	<0.001	0.525	0.427	0.230	<0.001	3_CD8.T_{eff}1
MIF	<0.001	0.542	0.490	0.326	<0.001	3_CD8.T_{eff}1
HSPA5	<0.001	0.501	0.662	0.547	<0.001	3_CD8.T_{eff}1
CYTIP	<0.001	0.533	0.632	0.549	<0.001	3_CD8.T_{eff}1
GNLY	<0.001	1.411	0.399	0.201	<0.001	3_CD8.T_{eff}1
CD8B	<0.001	0.735	0.584	0.440	<0.001	3_CD8.T_{eff}1
ATG2A	<0.001	0.570	0.405	0.219	<0.001	3_CD8.T_{eff}1
HLA-DMA	<0.001	0.503	0.322	0.132	<0.001	3_CD8.T_{eff}1
SP110	<0.001	0.505	0.573	0.453	<0.001	3_CD8.T_{eff}1
TRDC	<0.001	-0.879	0.002	0.127	<0.001	3_CD8.T_{eff}1

CMC1	<0.001	-0.530	0.179	0.408	<0.001	3_CD8.T_{eff}1
PTMS	<0.001	0.505	0.220	0.072	<0.001	3_CD8.T_{eff}1
XCL2	<0.001	0.761	0.205	0.069	<0.001	3_CD8.T_{eff}1
CCL3	<0.001	0.605	0.142	0.036	<0.001	3_CD8.T_{eff}1
TRBC2	<0.001	0.812	0.719	0.841	<0.001	3_CD8.T_{eff}1
GZMH	<0.001	3.108	0.913	0.007	<0.001	4_CD4.T_{CM}
FGFBP2	<0.001	2.979	0.903	0.007	<0.001	4_CD4.T_{CM}
CCL4	<0.001	2.704	0.841	0.010	<0.001	4_CD4.T_{CM}
HBA1	<0.001	2.622	0.718	0.001	<0.001	4_CD4.T_{CM}
HBB	<0.001	1.747	0.733	0.007	<0.001	4_CD4.T_{CM}
HBA2	<0.001	2.682	0.687	0.000	<0.001	4_CD4.T_{CM}
NKG7	<0.001	3.858	0.944	0.089	<0.001	4_CD4.T_{CM}
CST7	<0.001	2.435	0.949	0.119	<0.001	4_CD4.T_{CM}
PRF1	<0.001	2.329	0.877	0.098	<0.001	4_CD4.T_{CM}
IFITM1	<0.001	2.327	0.964	0.193	<0.001	4_CD4.T_{CM}
CCL5	<0.001	2.798	0.949	0.178	<0.001	4_CD4.T_{CM}
RGS1	<0.001	2.167	0.851	0.116	<0.001	4_CD4.T_{CM}
PRSS23	<0.001	1.136	0.492	0.001	<0.001	4_CD4.T_{CM}
GZMA	<0.001	2.219	0.938	0.187	<0.001	4_CD4.T_{CM}
HLA-DQA2	<0.001	1.214	0.559	0.016	<0.001	4_CD4.T_{CM}
LAIR2	<0.001	1.341	0.615	0.039	<0.001	4_CD4.T_{CM}
HLA-DRB1	<0.001	1.726	0.836	0.151	<0.001	4_CD4.T_{CM}
FCRL6	<0.001	0.968	0.426	0.001	<0.001	4_CD4.T_{CM}
ZEB2	<0.001	1.292	0.600	0.043	<0.001	4_CD4.T_{CM}
HLA-DPB1	<0.001	1.762	0.887	0.223	<0.001	4_CD4.T_{CM}
HLA-DPA1	<0.001	1.674	0.903	0.238	<0.001	4_CD4.T_{CM}
ADGRG1	<0.001	0.971	0.415	0.002	<0.001	4_CD4.T_{CM}
CX3CR1	<0.001	1.010	0.421	0.010	<0.001	4_CD4.T_{CM}
HLA-B	<0.001	1.073	0.985	1.000	<0.001	4_CD4.T_{CM}
PLEK	<0.001	1.178	0.610	0.070	<0.001	4_CD4.T_{CM}
HLA-C	<0.001	1.342	0.979	0.999	<0.001	4_CD4.T_{CM}
SH3BGRL3	<0.001	1.360	0.985	0.984	<0.001	4_CD4.T_{CM}
TRGC2	<0.001	1.336	0.646	0.083	<0.001	4_CD4.T_{CM}
TPT1	<0.001	-0.786	0.995	0.999	<0.001	4_CD4.T_{CM}
LTB	<0.001	-2.156	0.138	0.994	<0.001	4_CD4.T_{CM}
B2M	<0.001	0.657	0.995	1.000	<0.001	4_CD4.T_{CM}

EFHD2	<0.001	1.559	0.821	0.241	<0.001	4_CD4.T_{CM}
PFN1	<0.001	1.161	0.995	0.983	<0.001	4_CD4.T_{CM}
EEF1A1	<0.001	-0.668	1.000	1.000	<0.001	4_CD4.T_{CM}
CTSW	<0.001	1.564	0.862	0.278	<0.001	4_CD4.T_{CM}
METRNL	<0.001	1.139	0.533	0.052	<0.001	4_CD4.T_{CM}
IFI44L	<0.001	1.348	0.600	0.078	<0.001	4_CD4.T_{CM}
SRGN	<0.001	1.389	0.959	0.766	<0.001	4_CD4.T_{CM}
FOSB	<0.001	-1.855	0.164	0.948	<0.001	4_CD4.T_{CM}
IFI27	<0.001	1.989	0.369	0.011	<0.001	4_CD4.T_{CM}
HLA-A	<0.001	0.756	0.979	1.000	<0.001	4_CD4.T_{CM}
CXCR4	<0.001	1.737	0.908	0.523	<0.001	4_CD4.T_{CM}
LY6E	<0.001	1.412	0.949	0.726	<0.001	4_CD4.T_{CM}
FOS	<0.001	-1.620	0.236	0.930	<0.001	4_CD4.T_{CM}
TSC22D3	<0.001	1.353	0.964	0.815	<0.001	4_CD4.T_{CM}
IL32	<0.001	0.974	0.979	0.978	<0.001	4_CD4.T_{CM}
SPON2	<0.001	1.067	0.446	0.042	<0.001	4_CD4.T_{CM}
GZMB	<0.001	1.160	0.328	0.011	<0.001	4_CD4.T_{CM}
CD81	<0.001	1.237	0.908	0.580	<0.001	4_CD4.T_{CM}
S1PR5	<0.001	0.615	0.272	0.002	<0.001	4_CD4.T_{CM}
C1orf21	<0.001	0.599	0.267	0.002	<0.001	4_CD4.T_{CM}
HLA-E	<0.001	0.790	0.990	0.996	<0.001	4_CD4.T_{CM}
LDHB	<0.001	-0.988	0.621	0.978	<0.001	4_CD4.T_{CM}
CD74	<0.001	1.562	0.918	0.594	<0.001	4_CD4.T_{CM}
MYOM2	<0.001	1.162	0.338	0.017	<0.001	4_CD4.T_{CM}
RARRES3	<0.001	1.168	0.928	0.743	<0.001	4_CD4.T_{CM}
PSME2	<0.001	1.159	0.928	0.681	<0.001	4_CD4.T_{CM}
PABPC1	<0.001	-0.914	0.667	0.988	<0.001	4_CD4.T_{CM}
PSMB9	<0.001	1.115	0.928	0.772	<0.001	4_CD4.T_{CM}
DDIT4	<0.001	1.258	0.749	0.287	<0.001	4_CD4.T_{CM}
TNFAIP3	<0.001	1.370	0.826	0.385	<0.001	4_CD4.T_{CM}
ARL4C	<0.001	1.138	0.949	0.791	<0.001	4_CD4.T_{CM}
ZFP36	<0.001	1.353	0.897	0.615	<0.001	4_CD4.T_{CM}
GAPDH	<0.001	0.794	0.990	0.971	<0.001	4_CD4.T_{CM}
RAP1B	<0.001	0.988	0.928	0.766	<0.001	4_CD4.T_{CM}
TCF7	<0.001	-1.126	0.103	0.796	<0.001	4_CD4.T_{CM}
ASCL2	<0.001	0.586	0.246	0.007	<0.001	4_CD4.T_{CM}

S100A4	<0.001	0.746	0.979	0.975	<0.001	4_CD4.T_{CM}
ISG15	<0.001	1.262	0.815	0.448	<0.001	4_CD4.T_{CM}
PSME1	<0.001	0.899	0.949	0.902	<0.001	4_CD4.T_{CM}
GZMM	<0.001	1.118	0.815	0.454	<0.001	4_CD4.T_{CM}
IFI6	<0.001	1.101	0.687	0.259	<0.001	4_CD4.T_{CM}
ARHGDIB	<0.001	0.770	0.974	0.957	<0.001	4_CD4.T_{CM}
SERTAD3	<0.001	0.707	0.359	0.039	<0.001	4_CD4.T_{CM}
CD3D	<0.001	0.740	0.954	0.964	<0.001	4_CD4.T_{CM}
FCGR3A	<0.001	0.855	0.308	0.024	<0.001	4_CD4.T_{CM}
MATK	<0.001	0.818	0.379	0.047	<0.001	4_CD4.T_{CM}
CYBA	<0.001	0.744	0.964	0.945	<0.001	4_CD4.T_{CM}
IFITM2	<0.001	1.028	0.903	0.719	<0.001	4_CD4.T_{CM}
C12orf75	<0.001	1.107	0.728	0.316	<0.001	4_CD4.T_{CM}
CTSC	<0.001	1.077	0.769	0.412	<0.001	4_CD4.T_{CM}
CALM1	<0.001	0.618	0.985	0.990	<0.001	4_CD4.T_{CM}
CES1	<0.001	0.773	0.292	0.021	<0.001	4_CD4.T_{CM}
CEMIP2	<0.001	1.026	0.590	0.175	<0.001	4_CD4.T_{CM}
CD27	<0.001	-1.035	0.015	0.661	<0.001	4_CD4.T_{CM}
TYMP	<0.001	1.109	0.708	0.307	<0.001	4_CD4.T_{CM}
OASL	<0.001	0.722	0.333	0.035	<0.001	4_CD4.T_{CM}
EEF1B2	<0.001	-0.636	0.923	0.995	<0.001	4_CD4.T_{CM}
MYL6	<0.001	0.612	0.974	0.977	<0.001	4_CD4.T_{CM}
CRIP1	<0.001	1.102	0.769	0.407	<0.001	4_CD4.T_{CM}
SLAMF7	<0.001	0.523	0.210	0.006	<0.001	4_CD4.T_{CM}
XAF1	<0.001	0.979	0.651	0.235	<0.001	4_CD4.T_{CM}
CD38	<0.001	0.570	0.246	0.013	<0.001	4_CD4.T_{CM}
CFL1	<0.001	0.672	0.974	0.989	<0.001	4_CD4.T_{CM}
UBE2L6	<0.001	1.023	0.708	0.331	<0.001	4_CD4.T_{CM}
RCAN3	<0.001	-0.893	0.046	0.674	<0.001	4_CD4.T_{CM}
HCST	<0.001	0.931	0.923	0.832	<0.001	4_CD4.T_{CM}
LGALS1	<0.001	1.263	0.805	0.407	<0.001	4_CD4.T_{CM}
EPSTI1	<0.001	0.826	0.472	0.107	<0.001	4_CD4.T_{CM}
UBB	<0.001	0.750	0.949	0.908	<0.001	4_CD4.T_{CM}
MYL12B	<0.001	0.756	0.944	0.955	<0.001	4_CD4.T_{CM}
AQP3	<0.001	-1.003	0.041	0.653	<0.001	4_CD4.T_{CM}
ZNF683	<0.001	0.567	0.210	0.007	<0.001	4_CD4.T_{CM}

HSP90AA1	<0.001	0.694	0.959	0.961	<0.001	4_CD4.T_{CM}
ACTB	<0.001	0.627	0.995	1.000	<0.001	4_CD4.T_{CM}
CHCHD2	<0.001	0.617	0.944	0.901	<0.001	4_CD4.T_{CM}
CD99	<0.001	0.777	0.928	0.871	<0.001	4_CD4.T_{CM}
CLIC1	<0.001	0.849	0.918	0.806	<0.001	4_CD4.T_{CM}
NOSIP	<0.001	-0.953	0.297	0.830	<0.001	4_CD4.T_{CM}
MTRNR2L12	<0.001	-0.876	0.010	0.593	<0.001	4_CD4.T_{CM}
ITGB2	<0.001	0.753	0.908	0.841	<0.001	4_CD4.T_{CM}
CHST12	<0.001	0.954	0.615	0.251	<0.001	4_CD4.T_{CM}
TRBC2	<0.001	1.238	0.872	0.832	<0.001	4_CD4.T_{CM}
APOBEC3G	<0.001	0.939	0.687	0.338	<0.001	4_CD4.T_{CM}
XCL2	<0.001	0.517	0.185	0.006	<0.001	4_CD4.T_{CM}
IRF9	<0.001	0.953	0.585	0.216	<0.001	4_CD4.T_{CM}
HLA-DQA1	<0.001	0.601	0.282	0.032	<0.001	4_CD4.T_{CM}
TBX21	<0.001	0.542	0.241	0.020	<0.001	4_CD4.T_{CM}
LITAF	<0.001	0.960	0.800	0.570	<0.001	4_CD4.T_{CM}
STAT1	<0.001	0.936	0.749	0.396	<0.001	4_CD4.T_{CM}
MAP3K8	<0.001	0.601	0.267	0.029	<0.001	4_CD4.T_{CM}
PSMB10	<0.001	0.882	0.533	0.189	<0.001	4_CD4.T_{CM}
ARPC2	<0.001	0.615	0.959	0.946	<0.001	4_CD4.T_{CM}
IL2RG	<0.001	0.796	0.841	0.720	<0.001	4_CD4.T_{CM}
ARPC3	<0.001	0.630	0.938	0.939	<0.001	4_CD4.T_{CM}
EMP3	<0.001	0.689	0.944	0.916	<0.001	4_CD4.T_{CM}
DBI	<0.001	0.748	0.810	0.624	<0.001	4_CD4.T_{CM}
PDCD1	<0.001	0.559	0.282	0.037	<0.001	4_CD4.T_{CM}
EIF3E	<0.001	-0.619	0.626	0.967	<0.001	4_CD4.T_{CM}
LAG3	<0.001	0.567	0.251	0.028	<0.001	4_CD4.T_{CM}
HLA-DRA	<0.001	1.495	0.595	0.272	<0.001	4_CD4.T_{CM}
CD320	<0.001	0.915	0.523	0.200	<0.001	4_CD4.T_{CM}
ABHD17A	<0.001	0.881	0.779	0.625	<0.001	4_CD4.T_{CM}
MAL	<0.001	-0.810	0.015	0.526	<0.001	4_CD4.T_{CM}
FTH1	<0.001	0.550	0.995	0.997	<0.001	4_CD4.T_{CM}
FTL	<0.001	0.517	0.979	0.990	<0.001	4_CD4.T_{CM}
IL7R	<0.001	-0.827	0.610	0.936	<0.001	4_CD4.T_{CM}
FLNA	<0.001	0.751	0.831	0.651	<0.001	4_CD4.T_{CM}
SRP14	<0.001	0.549	0.923	0.949	<0.001	4_CD4.T_{CM}

GBP1	<0.001	0.993	0.600	0.275	<0.001	4_CD4.T_{CM}
RNF213	<0.001	0.887	0.851	0.723	<0.001	4_CD4.T_{CM}
TAP1	<0.001	0.899	0.703	0.454	<0.001	4_CD4.T_{CM}
BTG1	<0.001	0.615	0.979	0.987	<0.001	4_CD4.T_{CM}
ITGB7	<0.001	0.780	0.672	0.385	<0.001	4_CD4.T_{CM}
KLRB1	<0.001	-1.521	0.087	0.573	<0.001	4_CD4.T_{CM}
CD70	<0.001	0.503	0.190	0.014	<0.001	4_CD4.T_{CM}
SLC9A3R1	<0.001	0.790	0.728	0.476	<0.001	4_CD4.T_{CM}
SELL	<0.001	-0.883	0.056	0.544	<0.001	4_CD4.T_{CM}
CD2	<0.001	0.729	0.882	0.834	<0.001	4_CD4.T_{CM}
LYZ	<0.001	-0.733	0.097	0.609	<0.001	4_CD4.T_{CM}
SYTL3	<0.001	0.698	0.359	0.089	<0.001	4_CD4.T_{CM}
MYO1F	<0.001	0.670	0.769	0.533	<0.001	4_CD4.T_{CM}
HLA-DQB1	<0.001	0.792	0.338	0.077	<0.001	4_CD4.T_{CM}
DUSP2	<0.001	1.037	0.636	0.330	<0.001	4_CD4.T_{CM}
CALR	<0.001	0.805	0.826	0.735	<0.001	4_CD4.T_{CM}
PPP2R5C	<0.001	0.669	0.877	0.796	<0.001	4_CD4.T_{CM}
RAC2	<0.001	0.532	0.938	0.911	<0.001	4_CD4.T_{CM}
CD53	<0.001	0.685	0.815	0.705	<0.001	4_CD4.T_{CM}
SLC38A2	<0.001	-0.668	0.087	0.569	<0.001	4_CD4.T_{CM}
CORO1A	<0.001	0.548	0.954	0.953	<0.001	4_CD4.T_{CM}
SORL1	<0.001	-0.684	0.113	0.595	<0.001	4_CD4.T_{CM}
LSP1	<0.001	0.662	0.831	0.725	<0.001	4_CD4.T_{CM}
PPIA	<0.001	0.574	0.913	0.916	<0.001	4_CD4.T_{CM}
BPGM	<0.001	0.605	0.338	0.085	<0.001	4_CD4.T_{CM}
BST2	<0.001	0.844	0.692	0.489	<0.001	4_CD4.T_{CM}
CORO1B	<0.001	-0.668	0.108	0.587	<0.001	4_CD4.T_{CM}
DGKA	<0.001	-0.634	0.041	0.488	<0.001	4_CD4.T_{CM}
TRABD2A	<0.001	-0.649	0.010	0.439	<0.001	4_CD4.T_{CM}
IFIT3	<0.001	0.522	0.231	0.034	<0.001	4_CD4.T_{CM}
PSMB8	<0.001	0.726	0.769	0.662	<0.001	4_CD4.T_{CM}
INPP4B	<0.001	-0.642	0.056	0.504	<0.001	4_CD4.T_{CM}
S100A11	<0.001	0.574	0.908	0.834	<0.001	4_CD4.T_{CM}
TENT5C	<0.001	0.626	0.364	0.102	<0.001	4_CD4.T_{CM}
PPIB	<0.001	0.634	0.851	0.757	<0.001	4_CD4.T_{CM}
PBXIP1	<0.001	-0.626	0.154	0.634	<0.001	4_CD4.T_{CM}

SSBP3	<0.001	0.706	0.451	0.172	<0.001	4_CD4.T_{CM}
TESPA1	<0.001	-0.602	0.036	0.464	<0.001	4_CD4.T_{CM}
CD300A	<0.001	0.627	0.379	0.119	<0.001	4_CD4.T_{CM}
AC007952.4	<0.001	-0.660	0.000	0.403	<0.001	4_CD4.T_{CM}
TTC39C	<0.001	-0.609	0.123	0.588	<0.001	4_CD4.T_{CM}
GUK1	<0.001	0.636	0.826	0.729	<0.001	4_CD4.T_{CM}
SERINC5	<0.001	-0.600	0.051	0.485	<0.001	4_CD4.T_{CM}
CD247	<0.001	0.586	0.826	0.689	<0.001	4_CD4.T_{CM}
SUB1	<0.001	0.556	0.918	0.877	<0.001	4_CD4.T_{CM}
DDX3Y	<0.001	-0.555	0.005	0.406	<0.001	4_CD4.T_{CM}
CYLD	<0.001	-0.604	0.251	0.729	<0.001	4_CD4.T_{CM}
ARPC4	<0.001	0.675	0.759	0.657	<0.001	4_CD4.T_{CM}
GBP4	<0.001	0.776	0.528	0.255	<0.001	4_CD4.T_{CM}
AC020916.1	<0.001	0.548	0.287	0.066	<0.001	4_CD4.T_{CM}
IER2	<0.001	-0.667	0.764	0.970	<0.001	4_CD4.T_{CM}
IRF1	<0.001	0.776	0.805	0.699	<0.001	4_CD4.T_{CM}
CLIC3	<0.001	0.615	0.241	0.045	<0.001	4_CD4.T_{CM}
SPOCK2	<0.001	-0.533	0.226	0.721	<0.001	4_CD4.T_{CM}
HLA-F	<0.001	0.619	0.831	0.721	<0.001	4_CD4.T_{CM}
ABI3	<0.001	0.598	0.297	0.075	<0.001	4_CD4.T_{CM}
MYC	<0.001	-0.633	0.005	0.387	<0.001	4_CD4.T_{CM}
TMEM123	<0.001	-0.502	0.369	0.828	<0.001	4_CD4.T_{CM}
EGR1	<0.001	-0.660	0.005	0.384	<0.001	4_CD4.T_{CM}
PLP2	<0.001	-0.565	0.174	0.638	<0.001	4_CD4.T_{CM}
CCND3	<0.001	0.594	0.805	0.670	<0.001	4_CD4.T_{CM}
PATL2	<0.001	0.685	0.297	0.078	<0.001	4_CD4.T_{CM}
LEF1	<0.001	-0.611	0.026	0.408	<0.001	4_CD4.T_{CM}
TLE4	<0.001	-0.565	0.144	0.584	<0.001	4_CD4.T_{CM}
GABPB1-AS1	<0.001	-0.639	0.144	0.568	<0.001	4_CD4.T_{CM}
ZFAS1	<0.001	-0.534	0.456	0.854	<0.001	4_CD4.T_{CM}
TGFB1	<0.001	0.565	0.785	0.681	<0.001	4_CD4.T_{CM}
GIMAP1	<0.001	-0.527	0.231	0.690	<0.001	4_CD4.T_{CM}
YME1L1	<0.001	-0.544	0.226	0.690	<0.001	4_CD4.T_{CM}
FOXP1	<0.001	-0.573	0.292	0.731	<0.001	4_CD4.T_{CM}
HNRNPDL	<0.001	0.538	0.862	0.845	<0.001	4_CD4.T_{CM}
RUNX3	<0.001	0.770	0.549	0.314	<0.001	4_CD4.T_{CM}

CD28	<0.001	-0.518	0.021	0.375	<0.001	4_CD4.T_{CM}
YWHAQ	<0.001	0.668	0.713	0.602	<0.001	4_CD4.T_{CM}
VAMP2	<0.001	0.597	0.810	0.815	<0.001	4_CD4.T_{CM}
C1orf162	<0.001	-0.549	0.031	0.394	<0.001	4_CD4.T_{CM}
CLEC2B	<0.001	0.736	0.631	0.437	<0.001	4_CD4.T_{CM}
CD3G	<0.001	0.550	0.892	0.900	<0.001	4_CD4.T_{CM}
GBP5	<0.001	0.731	0.503	0.245	<0.001	4_CD4.T_{CM}
OAS1	<0.001	0.573	0.313	0.093	<0.001	4_CD4.T_{CM}
IDH2	<0.001	0.651	0.487	0.255	<0.001	4_CD4.T_{CM}
ARPC1B	<0.001	0.520	0.867	0.842	<0.001	4_CD4.T_{CM}
IL6R	<0.001	-0.510	0.015	0.357	<0.001	4_CD4.T_{CM}
NABP1	<0.001	-0.530	0.041	0.401	<0.001	4_CD4.T_{CM}
ID2	<0.001	0.837	0.564	0.329	<0.001	4_CD4.T_{CM}
CYCS	<0.001	0.563	0.708	0.555	<0.001	4_CD4.T_{CM}
BCL2	<0.001	-0.569	0.077	0.453	<0.001	4_CD4.T_{CM}
INTS6	<0.001	-0.577	0.210	0.638	<0.001	4_CD4.T_{CM}
PASK	<0.001	-0.607	0.026	0.371	<0.001	4_CD4.T_{CM}
GPR183	<0.001	-0.570	0.108	0.489	<0.001	4_CD4.T_{CM}
ADGRE5	<0.001	0.711	0.579	0.382	<0.001	4_CD4.T_{CM}
BIRC3	<0.001	-0.530	0.108	0.498	<0.001	4_CD4.T_{CM}
CYTOR	<0.001	0.627	0.487	0.234	<0.001	4_CD4.T_{CM}
CCR7	<0.001	-0.532	0.005	0.326	<0.001	4_CD4.T_{CM}
SSBP4	<0.001	0.682	0.621	0.461	<0.001	4_CD4.T_{CM}
ANXA1	<0.001	0.504	0.923	0.834	<0.001	4_CD4.T_{CM}
PSMB3	<0.001	0.600	0.677	0.572	<0.001	4_CD4.T_{CM}
TAP2	<0.001	0.586	0.374	0.151	<0.001	4_CD4.T_{CM}
ARPC5L	<0.001	0.587	0.574	0.372	<0.001	4_CD4.T_{CM}
TBCB	<0.001	0.532	0.651	0.482	<0.001	4_CD4.T_{CM}
BTG2	<0.001	-0.684	0.318	0.693	<0.001	4_CD4.T_{CM}
MIEN1	<0.001	0.623	0.482	0.266	<0.001	4_CD4.T_{CM}
GNLY	<0.001	1.634	0.251	0.068	<0.001	4_CD4.T_{CM}
PSMA7	<0.001	0.511	0.810	0.794	<0.001	4_CD4.T_{CM}
KRTCAP2	<0.001	0.590	0.579	0.409	<0.001	4_CD4.T_{CM}
PPP1CA	<0.001	0.514	0.779	0.736	<0.001	4_CD4.T_{CM}
TXN	<0.001	0.553	0.692	0.580	<0.001	4_CD4.T_{CM}
RHOA	<0.001	0.525	0.815	0.814	<0.001	4_CD4.T_{CM}

PPP1R18	<0.001	0.622	0.651	0.515	<0.001	4_CD4.T_{CM}
APMAP	<0.001	0.591	0.390	0.177	<0.001	4_CD4.T_{CM}
KLRG1	<0.001	0.759	0.497	0.278	<0.001	4_CD4.T_{CM}
ILF3-DT	<0.001	-0.512	0.200	0.590	<0.001	4_CD4.T_{CM}
KLF3	<0.001	0.694	0.554	0.364	<0.001	4_CD4.T_{CM}
PLEKHF1	<0.001	0.539	0.282	0.091	<0.001	4_CD4.T_{CM}
CEBPB	<0.001	0.735	0.528	0.346	<0.001	4_CD4.T_{CM}
BHLHE40	<0.001	0.632	0.318	0.119	<0.001	4_CD4.T_{CM}
HCLS1	<0.001	0.562	0.687	0.593	<0.001	4_CD4.T_{CM}
IFI35	<0.001	0.565	0.385	0.176	<0.001	4_CD4.T_{CM}
HLA-DMA	<0.001	0.565	0.308	0.112	<0.001	4_CD4.T_{CM}
CD7	<0.001	-0.515	0.210	0.574	<0.001	4_CD4.T_{CM}
PARP9	<0.001	0.625	0.354	0.151	<0.001	4_CD4.T_{CM}
TADA3	<0.001	0.511	0.472	0.270	<0.001	4_CD4.T_{CM}
SP110	<0.001	0.596	0.605	0.448	<0.001	4_CD4.T_{CM}
ATP1B3	<0.001	0.663	0.451	0.258	<0.001	4_CD4.T_{CM}
MXD4	<0.001	0.681	0.503	0.318	<0.001	4_CD4.T_{CM}
TUBA4A	<0.001	0.562	0.697	0.588	<0.001	4_CD4.T_{CM}
HIGD2A	<0.001	0.522	0.718	0.647	<0.001	4_CD4.T_{CM}
CD63	<0.001	0.650	0.579	0.436	<0.001	4_CD4.T_{CM}
CD6	<0.001	0.524	0.697	0.604	<0.001	4_CD4.T_{CM}
POMP	<0.001	0.527	0.631	0.540	<0.001	4_CD4.T_{CM}
CASP1	<0.001	0.551	0.513	0.347	<0.001	4_CD4.T_{CM}
SLC2A3	<0.001	-0.518	0.364	0.704	<0.001	4_CD4.T_{CM}
RAB5IF	<0.001	0.554	0.477	0.307	<0.001	4_CD4.T_{CM}
MX1	<0.001	0.621	0.390	0.198	<0.001	4_CD4.T_{CM}
CIB1	<0.001	0.523	0.723	0.723	<0.001	4_CD4.T_{CM}
GNG5	<0.001	0.533	0.631	0.553	<0.001	4_CD4.T_{CM}
CCDC12	<0.001	0.580	0.513	0.366	<0.001	4_CD4.T_{CM}
MSN	<0.001	0.557	0.682	0.654	<0.001	4_CD4.T_{CM}
STOM	<0.001	0.563	0.421	0.234	<0.001	4_CD4.T_{CM}
PAXX	<0.001	0.536	0.579	0.465	<0.001	4_CD4.T_{CM}
PDE4B	<0.001	0.578	0.349	0.170	<0.001	4_CD4.T_{CM}
PRR13	<0.001	0.506	0.682	0.643	<0.001	4_CD4.T_{CM}
NFKBIA	<0.001	0.635	0.672	0.613	<0.001	4_CD4.T_{CM}
SUPT4H1	<0.001	0.539	0.472	0.309	<0.001	4_CD4.T_{CM}

CARD16	<0.001	0.544	0.554	0.433	<0.001	4_CD4.T_{CM}
HOPX	<0.001	0.529	0.487	0.275	<0.001	4_CD4.T_{CM}
BSG	<0.001	0.539	0.528	0.395	<0.001	4_CD4.T_{CM}
CYTIP	<0.001	0.569	0.646	0.586	<0.001	4_CD4.T_{CM}
ARF5	<0.001	0.555	0.405	0.252	<0.001	4_CD4.T_{CM}
SELENOS	<0.001	0.536	0.467	0.320	<0.001	4_CD4.T_{CM}
JPT1	<0.001	0.537	0.549	0.450	<0.001	4_CD4.T_{CM}
HSPA5	<0.001	0.520	0.651	0.575	<0.001	4_CD4.T_{CM}
GSTP1	<0.001	0.571	0.554	0.447	<0.001	4_CD4.T_{CM}
SAMD9L	<0.001	0.536	0.364	0.198	<0.001	4_CD4.T_{CM}
ACTN4	<0.001	0.542	0.513	0.380	<0.001	4_CD4.T_{CM}
LYAR	<0.001	0.502	0.497	0.311	<0.001	4_CD4.T_{CM}
EIF2AK2	<0.001	0.545	0.431	0.278	<0.001	4_CD4.T_{CM}
GNB2	<0.001	0.518	0.564	0.477	<0.001	4_CD4.T_{CM}
ZBTB38	<0.001	0.526	0.405	0.241	<0.001	4_CD4.T_{CM}
AC044849.1	<0.001	0.501	0.385	0.215	<0.001	4_CD4.T_{CM}
IRF7	<0.001	0.524	0.323	0.166	<0.001	4_CD4.T_{CM}
RBM38	<0.001	0.550	0.441	0.302	<0.001	4_CD4.T_{CM}
CDK2AP2	<0.001	0.510	0.472	0.336	<0.001	4_CD4.T_{CM}
ADAR	<0.001	0.581	0.559	0.466	<0.001	4_CD4.T_{CM}
UPP1	<0.001	0.547	0.441	0.306	<0.001	4_CD4.T_{CM}
PTPN7	<0.001	0.527	0.503	0.390	<0.001	4_CD4.T_{CM}
SAMSN1	<0.001	0.531	0.405	0.279	<0.001	4_CD4.T_{CM}
SPN	<0.001	0.559	0.503	0.408	<0.001	4_CD4.T_{CM}
RAB29	<0.001	0.509	0.405	0.273	<0.001	4_CD4.T_{CM}
BAX	<0.001	0.603	0.497	0.425	<0.001	4_CD4.T_{CM}
TRBC1	<0.001	0.550	0.774	0.602	0.013	4_CD4.T_{CM}
SOCS1	<0.001	0.529	0.323	0.234	0.190	4_CD4.T_{CM}
GZMH	<0.001	3.110	0.946	0.008	<0.001	5_CD8.T_{nai}
FGFBP2	<0.001	2.989	0.946	0.021	<0.001	5_CD8.T_{nai}
CST7	<0.001	2.812	0.946	0.028	<0.001	5_CD8.T_{nai}
CCL4	<0.001	2.488	0.839	0.005	<0.001	5_CD8.T_{nai}
CCL5	<0.001	3.481	1.000	0.057	<0.001	5_CD8.T_{nai}
GZMA	<0.001	2.848	0.929	0.051	<0.001	5_CD8.T_{nai}
NKG7	<0.001	4.198	1.000	0.093	<0.001	5_CD8.T_{nai}
HBB	<0.001	1.929	0.679	0.000	<0.001	5_CD8.T_{nai}

HBA1	<0.001	2.472	0.661	0.000	<0.001	5_CD8.T_{nai}
GZMB	<0.001	2.227	0.750	0.018	<0.001	5_CD8.T_{nai}
KLRD1	<0.001	2.068	0.696	0.013	<0.001	5_CD8.T_{nai}
PRF1	<0.001	2.490	0.875	0.069	<0.001	5_CD8.T_{nai}
RGS1	<0.001	1.558	0.661	0.023	<0.001	5_CD8.T_{nai}
FCGR3A	<0.001	1.637	0.643	0.021	<0.001	5_CD8.T_{nai}
PRSS23	<0.001	1.402	0.571	0.008	<0.001	5_CD8.T_{nai}
HBA2	<0.001	2.209	0.518	0.000	<0.001	5_CD8.T_{nai}
IFITM1	<0.001	2.439	0.875	0.134	<0.001	5_CD8.T_{nai}
PLEK	<0.001	1.613	0.625	0.031	<0.001	5_CD8.T_{nai}
LAIR2	<0.001	1.304	0.464	0.000	<0.001	5_CD8.T_{nai}
HLA-DQA2	<0.001	1.233	0.429	0.000	<0.001	5_CD8.T_{nai}
FCRL6	<0.001	1.127	0.429	0.000	<0.001	5_CD8.T_{nai}
ZEB2	<0.001	1.704	0.554	0.028	<0.001	5_CD8.T_{nai}
ADGRG1	<0.001	1.077	0.411	0.005	<0.001	5_CD8.T_{nai}
METRNL	<0.001	1.046	0.429	0.010	<0.001	5_CD8.T_{nai}
B2M	<0.001	0.945	1.000	1.000	<0.001	5_CD8.T_{nai}
S100A4	<0.001	2.078	1.000	0.725	<0.001	5_CD8.T_{nai}
CLIC1	<0.001	1.807	0.929	0.362	<0.001	5_CD8.T_{nai}
TPT1	<0.001	-0.879	0.964	1.000	<0.001	5_CD8.T_{nai}
IFI27	<0.001	1.958	0.339	0.000	<0.001	5_CD8.T_{nai}
HLA-B	<0.001	1.132	1.000	1.000	<0.001	5_CD8.T_{nai}
LTB	<0.001	-2.117	0.018	0.967	<0.001	5_CD8.T_{nai}
SH3BGRL3	<0.001	1.671	0.982	0.951	<0.001	5_CD8.T_{nai}
EEF1A1	<0.001	-0.708	1.000	1.000	<0.001	5_CD8.T_{nai}
SRGN	<0.001	2.008	0.946	0.463	<0.001	5_CD8.T_{nai}
EFHD2	<0.001	1.712	0.679	0.113	<0.001	5_CD8.T_{nai}
CCL4L2	<0.001	0.991	0.321	0.000	<0.001	5_CD8.T_{nai}
MYO1F	<0.001	1.552	0.607	0.077	<0.001	5_CD8.T_{nai}
CYTOR	<0.001	1.119	0.411	0.015	<0.001	5_CD8.T_{nai}
EEF1B2	<0.001	-1.101	0.857	1.000	<0.001	5_CD8.T_{nai}
FOSB	<0.001	-2.117	0.071	0.959	<0.001	5_CD8.T_{nai}
HLA-C	<0.001	1.360	0.964	1.000	<0.001	5_CD8.T_{nai}
ZNF683	<0.001	1.073	0.321	0.003	<0.001	5_CD8.T_{nai}
TCF7	<0.001	-1.523	0.036	0.925	<0.001	5_CD8.T_{nai}
SPON2	<0.001	1.521	0.500	0.046	<0.001	5_CD8.T_{nai}

HLA-DRB1	<0.001	1.496	0.589	0.082	<0.001	5_CD8.T_{nai}
PFN1	<0.001	1.393	0.964	0.964	<0.001	5_CD8.T_{nai}
HLA-E	<0.001	0.952	0.982	0.997	<0.001	5_CD8.T_{nai}
MATK	<0.001	1.191	0.518	0.057	<0.001	5_CD8.T_{nai}
LAG3	<0.001	0.943	0.357	0.013	<0.001	5_CD8.T_{nai}
ACTB	<0.001	0.910	1.000	1.000	<0.001	5_CD8.T_{nai}
FOS	<0.001	-1.667	0.214	0.967	<0.001	5_CD8.T_{nai}
CX3CR1	<0.001	0.973	0.286	0.003	<0.001	5_CD8.T_{nai}
IL7R	<0.001	-1.721	0.018	0.877	<0.001	5_CD8.T_{nai}
IL32	<0.001	1.414	0.946	0.943	<0.001	5_CD8.T_{nai}
LY6E	<0.001	1.672	0.911	0.589	<0.001	5_CD8.T_{nai}
IFI44L	<0.001	1.184	0.429	0.036	<0.001	5_CD8.T_{nai}
S100A11	<0.001	1.535	0.768	0.265	<0.001	5_CD8.T_{nai}
TMSB4X	<0.001	0.556	1.000	1.000	<0.001	5_CD8.T_{nai}
HLA-DPA1	<0.001	1.433	0.714	0.208	<0.001	5_CD8.T_{nai}
OASL	<0.001	0.838	0.268	0.003	<0.001	5_CD8.T_{nai}
LDHB	<0.001	-0.927	0.589	0.995	<0.001	5_CD8.T_{nai}
MYL12A	<0.001	0.850	1.000	0.997	<0.001	5_CD8.T_{nai}
CD27	<0.001	-1.210	0.036	0.833	<0.001	5_CD8.T_{nai}
TNFAIP3	<0.001	1.622	0.696	0.195	<0.001	5_CD8.T_{nai}
C12orf75	<0.001	1.496	0.679	0.185	<0.001	5_CD8.T_{nai}
ARL4C	<0.001	1.691	0.893	0.650	<0.001	5_CD8.T_{nai}
PABPC1	<0.001	-1.019	0.589	1.000	<0.001	5_CD8.T_{nai}
LGALS1	<0.001	1.852	0.589	0.123	<0.001	5_CD8.T_{nai}
MIR4435-2HG	<0.001	0.659	0.250	0.003	<0.001	5_CD8.T_{nai}
CD52	<0.001	0.843	1.000	0.992	<0.001	5_CD8.T_{nai}
CYBA	<0.001	1.175	0.911	0.877	<0.001	5_CD8.T_{nai}
CCR7	<0.001	-1.232	0.000	0.766	<0.001	5_CD8.T_{nai}
SELL	<0.001	-1.236	0.054	0.810	<0.001	5_CD8.T_{nai}
HLA-DPB1	<0.001	1.433	0.750	0.314	<0.001	5_CD8.T_{nai}
SLAMF7	<0.001	0.556	0.214	0.000	<0.001	5_CD8.T_{nai}
HOPX	<0.001	1.205	0.375	0.036	<0.001	5_CD8.T_{nai}
ANXA1	<0.001	1.303	0.714	0.234	<0.001	5_CD8.T_{nai}
GNLY	<0.001	2.259	0.464	0.077	<0.001	5_CD8.T_{nai}
ANXA2	<0.001	1.063	0.464	0.075	<0.001	5_CD8.T_{nai}
KIF19	<0.001	0.508	0.196	0.000	<0.001	5_CD8.T_{nai}

EMP3	<0.001	1.295	0.875	0.710	<0.001	5_CD8.T_{nai}
RACK1	<0.001	-0.547	0.929	1.000	<0.001	5_CD8.T_{nai}
NOSIP	<0.001	-1.053	0.268	0.923	<0.001	5_CD8.T_{nai}
PSMB10	<0.001	1.001	0.536	0.121	<0.001	5_CD8.T_{nai}
TRABD2A	<0.001	-1.021	0.036	0.740	<0.001	5_CD8.T_{nai}
TTC38	<0.001	0.677	0.268	0.013	<0.001	5_CD8.T_{nai}
RARRES3	<0.001	1.375	0.857	0.704	<0.001	5_CD8.T_{nai}
GAPDH	<0.001	1.140	0.893	0.877	<0.001	5_CD8.T_{nai}
ZFAS1	<0.001	-0.960	0.250	0.910	<0.001	5_CD8.T_{nai}
PRDM1	<0.001	0.787	0.250	0.010	<0.001	5_CD8.T_{nai}
HLA-A	<0.001	0.774	0.946	1.000	<0.001	5_CD8.T_{nai}
LEF1	<0.001	-1.023	0.018	0.707	<0.001	5_CD8.T_{nai}
PATL2	<0.001	1.229	0.482	0.095	<0.001	5_CD8.T_{nai}
RCAN3	<0.001	-1.024	0.000	0.676	<0.001	5_CD8.T_{nai}
APOBEC3G	<0.001	1.206	0.571	0.159	<0.001	5_CD8.T_{nai}
AIF1	<0.001	-1.082	0.018	0.699	<0.001	5_CD8.T_{nai}
SARAF	<0.001	-0.783	0.625	0.990	<0.001	5_CD8.T_{nai}
PSMB9	<0.001	1.441	0.821	0.635	<0.001	5_CD8.T_{nai}
S1PR5	<0.001	0.591	0.179	0.000	<0.001	5_CD8.T_{nai}
LINC02384	<0.001	0.501	0.179	0.000	<0.001	5_CD8.T_{nai}
CES1	<0.001	0.675	0.214	0.005	<0.001	5_CD8.T_{nai}
CALM1	<0.001	0.886	0.946	0.987	<0.001	5_CD8.T_{nai}
CXCR4	<0.001	1.428	0.839	0.668	<0.001	5_CD8.T_{nai}
PSME1	<0.001	1.151	0.875	0.841	<0.001	5_CD8.T_{nai}
XCL2	<0.001	0.614	0.196	0.003	<0.001	5_CD8.T_{nai}
CD160	<0.001	0.595	0.196	0.003	<0.001	5_CD8.T_{nai}
CTSW	<0.001	1.378	0.839	0.653	<0.001	5_CD8.T_{nai}
FLNA	<0.001	1.471	0.750	0.401	<0.001	5_CD8.T_{nai}
EIF3E	<0.001	-0.818	0.518	0.997	<0.001	5_CD8.T_{nai}
ARHGDIB	<0.001	0.906	0.911	0.959	<0.001	5_CD8.T_{nai}
IFITM2	<0.001	1.363	0.821	0.650	<0.001	5_CD8.T_{nai}
TSC22D3	<0.001	1.286	0.875	0.820	<0.001	5_CD8.T_{nai}
RGS10	<0.001	-0.831	0.232	0.910	<0.001	5_CD8.T_{nai}
CD74	<0.001	1.681	0.768	0.458	<0.001	5_CD8.T_{nai}
S100A6	<0.001	1.191	0.911	0.923	<0.001	5_CD8.T_{nai}
ITGB1	<0.001	1.377	0.571	0.175	<0.001	5_CD8.T_{nai}

PLEKHF1	<0.001	0.852	0.321	0.036	<0.001	5_CD8.T_{nai}
CLIC3	<0.001	0.897	0.357	0.049	<0.001	5_CD8.T_{nai}
TRGC2	<0.001	0.988	0.429	0.080	<0.001	5_CD8.T_{nai}
PTMS	<0.001	0.737	0.196	0.005	<0.001	5_CD8.T_{nai}
TBX21	<0.001	0.519	0.196	0.005	<0.001	5_CD8.T_{nai}
HBD	<0.001	0.536	0.161	0.000	<0.001	5_CD8.T_{nai}
ACTN4	<0.001	1.058	0.482	0.113	<0.001	5_CD8.T_{nai}
CTLA4	<0.001	0.568	0.232	0.013	<0.001	5_CD8.T_{nai}
ACTN1	<0.001	-0.939	0.000	0.614	<0.001	5_CD8.T_{nai}
C6orf48	<0.001	-0.837	0.089	0.751	<0.001	5_CD8.T_{nai}
ILF3-DT	<0.001	-0.977	0.107	0.753	<0.001	5_CD8.T_{nai}
TYMP	<0.001	1.226	0.500	0.134	<0.001	5_CD8.T_{nai}
TIGIT	<0.001	0.748	0.268	0.023	<0.001	5_CD8.T_{nai}
MTRNR2L12	<0.001	-0.869	0.000	0.596	<0.001	5_CD8.T_{nai}
HCST	<0.001	0.945	0.911	0.946	<0.001	5_CD8.T_{nai}
EPSTI1	<0.001	0.805	0.304	0.036	<0.001	5_CD8.T_{nai}
NELL2	<0.001	-0.894	0.000	0.594	<0.001	5_CD8.T_{nai}
HSP90AA1	<0.001	0.891	0.929	0.928	<0.001	5_CD8.T_{nai}
RNF213	<0.001	1.208	0.821	0.702	<0.001	5_CD8.T_{nai}
LDLRAP1	<0.001	-0.805	0.018	0.622	<0.001	5_CD8.T_{nai}
IQGAP2	<0.001	1.111	0.518	0.154	<0.001	5_CD8.T_{nai}
ZFP36	<0.001	1.282	0.821	0.650	<0.001	5_CD8.T_{nai}
UQCRB	<0.001	-0.707	0.625	0.997	<0.001	5_CD8.T_{nai}
TAGLN2	<0.001	1.150	0.732	0.422	<0.001	5_CD8.T_{nai}
PTPRC	<0.001	0.765	0.911	0.959	<0.001	5_CD8.T_{nai}
IER2	<0.001	-0.972	0.536	0.961	<0.001	5_CD8.T_{nai}
TOMM7	<0.001	-0.618	0.750	0.997	<0.001	5_CD8.T_{nai}
UBB	<0.001	0.881	0.875	0.887	<0.001	5_CD8.T_{nai}
MYL6	<0.001	0.867	0.893	0.967	<0.001	5_CD8.T_{nai}
FTH1	<0.001	0.697	0.982	0.997	<0.001	5_CD8.T_{nai}
GIMAP1	<0.001	-0.794	0.125	0.748	<0.001	5_CD8.T_{nai}
ABHD17A	<0.001	1.220	0.768	0.571	<0.001	5_CD8.T_{nai}
FOXP1	<0.001	-0.659	0.232	0.884	<0.001	5_CD8.T_{nai}
DDIT4	<0.001	1.229	0.643	0.283	<0.001	5_CD8.T_{nai}
H3F3A	<0.001	0.630	0.911	0.974	<0.001	5_CD8.T_{nai}
CD63	<0.001	1.080	0.661	0.332	<0.001	5_CD8.T_{nai}

CD3D	<0.001	0.754	0.911	0.979	<0.001	5_CD8.T_{nai}
TXN	<0.001	1.043	0.554	0.201	<0.001	5_CD8.T_{nai}
CD99	<0.001	1.209	0.750	0.501	<0.001	5_CD8.T_{nai}
CRIP1	<0.001	1.112	0.500	0.152	<0.001	5_CD8.T_{nai}
OXNAD1	<0.001	-0.782	0.018	0.586	<0.001	5_CD8.T_{nai}
CHST12	<0.001	1.204	0.536	0.185	<0.001	5_CD8.T_{nai}
CFL1	<0.001	0.753	0.911	0.969	<0.001	5_CD8.T_{nai}
NPM1	<0.001	-0.643	0.750	1.000	<0.001	5_CD8.T_{nai}
GABPB1-AS1	<0.001	-0.852	0.125	0.728	<0.001	5_CD8.T_{nai}
CTSC	<0.001	1.048	0.571	0.231	<0.001	5_CD8.T_{nai}
CD2	<0.001	1.079	0.786	0.617	<0.001	5_CD8.T_{nai}
MYL12B	<0.001	0.940	0.839	0.913	<0.001	5_CD8.T_{nai}
PASK	<0.001	-0.872	0.000	0.535	<0.001	5_CD8.T_{nai}
MAL	<0.001	-0.824	0.000	0.532	<0.001	5_CD8.T_{nai}
BST2	<0.001	1.003	0.714	0.437	<0.001	5_CD8.T_{nai}
TENT5C	<0.001	0.575	0.196	0.013	<0.001	5_CD8.T_{nai}
TESC	<0.001	0.650	0.143	0.003	<0.001	5_CD8.T_{nai}
SERINC5	<0.001	-0.750	0.018	0.555	<0.001	5_CD8.T_{nai}
TXK	<0.001	-0.759	0.000	0.524	<0.001	5_CD8.T_{nai}
ISG15	<0.001	1.285	0.661	0.380	<0.001	5_CD8.T_{nai}
NBEAL2	<0.001	0.600	0.232	0.023	<0.001	5_CD8.T_{nai}
APBA2	<0.001	-0.748	0.000	0.519	<0.001	5_CD8.T_{nai}
SERF2	<0.001	0.562	0.964	0.982	<0.001	5_CD8.T_{nai}
NPDC1	<0.001	0.713	0.268	0.036	<0.001	5_CD8.T_{nai}
PPP2R5C	<0.001	1.010	0.768	0.573	<0.001	5_CD8.T_{nai}
SSBP4	<0.001	1.057	0.571	0.252	<0.001	5_CD8.T_{nai}
S100A10	<0.001	0.827	0.875	0.784	<0.001	5_CD8.T_{nai}
ATM	<0.001	-0.563	0.304	0.882	<0.001	5_CD8.T_{nai}
EIF3H	<0.001	-0.647	0.429	0.941	<0.001	5_CD8.T_{nai}
UBE2L6	<0.001	1.277	0.571	0.257	<0.001	5_CD8.T_{nai}
FGR	<0.001	0.870	0.286	0.044	<0.001	5_CD8.T_{nai}
GAB3	<0.001	0.504	0.250	0.031	<0.001	5_CD8.T_{nai}
RAP1B	<0.001	0.906	0.839	0.846	<0.001	5_CD8.T_{nai}
ACTA2	<0.001	0.572	0.196	0.015	<0.001	5_CD8.T_{nai}
PSME2	<0.001	1.007	0.750	0.607	<0.001	5_CD8.T_{nai}
SNHG25	<0.001	-0.703	0.018	0.522	<0.001	5_CD8.T_{nai}

FBXO6	<0.001	0.746	0.250	0.033	<0.001	5_CD8.T_{nai}
NUCB2	<0.001	-0.699	0.161	0.712	<0.001	5_CD8.T_{nai}
LYZ	<0.001	-0.581	0.054	0.576	<0.001	5_CD8.T_{nai}
ADAM8	<0.001	0.784	0.286	0.049	<0.001	5_CD8.T_{nai}
DEFA3	<0.001	0.542	0.107	0.000	<0.001	5_CD8.T_{nai}
IFIT3	<0.001	0.675	0.196	0.018	<0.001	5_CD8.T_{nai}
NCK2	<0.001	-0.620	0.054	0.571	<0.001	5_CD8.T_{nai}
TAP1	<0.001	0.983	0.607	0.329	<0.001	5_CD8.T_{nai}
SNHG8	<0.001	-0.524	0.304	0.866	<0.001	5_CD8.T_{nai}
IFI6	<0.001	1.171	0.589	0.319	<0.001	5_CD8.T_{nai}
EIF4B	<0.001	-0.551	0.321	0.859	<0.001	5_CD8.T_{nai}
IRF1	<0.001	1.345	0.714	0.560	<0.001	5_CD8.T_{nai}
ABLIM1	<0.001	-0.669	0.000	0.465	<0.001	5_CD8.T_{nai}
MYC	<0.001	-0.702	0.000	0.465	<0.001	5_CD8.T_{nai}
FAM102A	<0.001	-0.662	0.000	0.465	<0.001	5_CD8.T_{nai}
HSPA5	<0.001	0.870	0.607	0.316	<0.001	5_CD8.T_{nai}
AC020916.1	<0.001	0.862	0.232	0.031	<0.001	5_CD8.T_{nai}
EPB41L4A-AS1	<0.001	-0.628	0.071	0.576	<0.001	5_CD8.T_{nai}
COX7C	<0.001	-0.505	0.732	0.995	<0.001	5_CD8.T_{nai}
FTL	<0.001	0.517	0.946	0.992	<0.001	5_CD8.T_{nai}
SRP14	<0.001	0.672	0.875	0.936	<0.001	5_CD8.T_{nai}
LEPROTL1	<0.001	-0.609	0.286	0.830	<0.001	5_CD8.T_{nai}
CD3G	<0.001	0.699	0.929	0.938	<0.001	5_CD8.T_{nai}
PPIA	<0.001	0.802	0.821	0.907	<0.001	5_CD8.T_{nai}
GBP5	<0.001	1.108	0.357	0.098	<0.001	5_CD8.T_{nai}
ABI3	<0.001	0.764	0.375	0.105	<0.001	5_CD8.T_{nai}
PRKCA	<0.001	-0.617	0.000	0.440	<0.001	5_CD8.T_{nai}
IDH2	<0.001	0.850	0.429	0.152	<0.001	5_CD8.T_{nai}
CEMIP2	<0.001	0.895	0.411	0.139	<0.001	5_CD8.T_{nai}
FADS1	<0.001	0.579	0.125	0.005	<0.001	5_CD8.T_{nai}
CD38	<0.001	0.592	0.196	0.023	<0.001	5_CD8.T_{nai}
GZMM	<0.001	0.738	0.786	0.725	<0.001	5_CD8.T_{nai}
STOM	<0.001	0.769	0.250	0.044	<0.001	5_CD8.T_{nai}
MIAT	<0.001	0.983	0.339	0.090	<0.001	5_CD8.T_{nai}
SERTAD3	<0.001	0.521	0.250	0.044	<0.001	5_CD8.T_{nai}
ARPC2	<0.001	0.788	0.839	0.928	<0.001	5_CD8.T_{nai}

CD81	<0.001	1.153	0.643	0.470	<0.001	5_CD8.T_{nai}
PPIB	<0.001	0.987	0.714	0.630	<0.001	5_CD8.T_{nai}
GABARAPL1	<0.001	0.646	0.375	0.113	<0.001	5_CD8.T_{nai}
HNRNPU	<0.001	-0.609	0.286	0.812	<0.001	5_CD8.T_{nai}
XAF1	<0.001	0.923	0.446	0.167	<0.001	5_CD8.T_{nai}
PSMB8	<0.001	0.788	0.732	0.607	<0.001	5_CD8.T_{nai}
EGR1	<0.001	-0.751	0.000	0.419	<0.001	5_CD8.T_{nai}
ITGB7	<0.001	0.882	0.536	0.275	<0.001	5_CD8.T_{nai}
CD8A	<0.001	0.971	0.750	0.807	<0.001	5_CD8.T_{nai}
LITAF	<0.001	0.860	0.732	0.697	<0.001	5_CD8.T_{nai}
ADGRE5	<0.001	0.974	0.536	0.275	<0.001	5_CD8.T_{nai}
PPP1R18	<0.001	0.996	0.589	0.355	<0.001	5_CD8.T_{nai}
DDX3Y	<0.001	-0.576	0.000	0.406	<0.001	5_CD8.T_{nai}
ARPC4	<0.001	0.992	0.679	0.527	<0.001	5_CD8.T_{nai}
CORO1A	<0.001	0.628	0.875	0.972	<0.001	5_CD8.T_{nai}
BHLHE40	<0.001	0.580	0.214	0.033	<0.001	5_CD8.T_{nai}
CD7	<0.001	-0.517	0.321	0.871	<0.001	5_CD8.T_{nai}
TGFB1	<0.001	0.913	0.643	0.460	<0.001	5_CD8.T_{nai}
ITGB2	<0.001	0.801	0.768	0.720	<0.001	5_CD8.T_{nai}
AHNAK	<0.001	0.842	0.393	0.131	<0.001	5_CD8.T_{nai}
GUK1	<0.001	0.867	0.714	0.661	<0.001	5_CD8.T_{nai}
SPINT2	<0.001	-0.529	0.000	0.388	0.001	5_CD8.T_{nai}
SNHG7	<0.001	-0.521	0.071	0.512	0.001	5_CD8.T_{nai}
HLA-DQA1	<0.001	0.548	0.179	0.023	0.001	5_CD8.T_{nai}
SH3YL1	<0.001	-0.541	0.000	0.380	0.001	5_CD8.T_{nai}
YME1L1	<0.001	-0.539	0.161	0.640	0.001	5_CD8.T_{nai}
PYHIN1	<0.001	0.617	0.232	0.044	0.001	5_CD8.T_{nai}
TSTD1	<0.001	-0.534	0.179	0.653	0.001	5_CD8.T_{nai}
IFI44	<0.001	0.806	0.250	0.054	0.001	5_CD8.T_{nai}
LYAR	<0.001	0.893	0.446	0.193	0.001	5_CD8.T_{nai}
TLE4	<0.001	-0.560	0.089	0.527	0.001	5_CD8.T_{nai}
TESPA1	<0.001	-0.548	0.018	0.404	0.001	5_CD8.T_{nai}
ID2	<0.001	1.084	0.625	0.409	0.001	5_CD8.T_{nai}
IRF9	<0.001	0.991	0.464	0.213	0.001	5_CD8.T_{nai}
ARPC3	<0.001	0.659	0.786	0.920	0.002	5_CD8.T_{nai}
ITGAL	<0.001	0.801	0.518	0.285	0.002	5_CD8.T_{nai}

ARF5	<0.001	0.777	0.429	0.185	0.002	5_CD8.T_{nai}
TRBC1	<0.001	1.252	0.696	0.591	0.002	5_CD8.T_{nai}
JUND	<0.001	0.621	0.857	0.967	0.003	5_CD8.T_{nai}
KLRG1	<0.001	0.727	0.286	0.077	0.003	5_CD8.T_{nai}
HMGB1	<0.001	0.665	0.857	0.954	0.004	5_CD8.T_{nai}
FBXW5	<0.001	0.787	0.500	0.270	0.004	5_CD8.T_{nai}
GSTK1	<0.001	0.764	0.714	0.653	0.004	5_CD8.T_{nai}
OAZ1	<0.001	0.651	0.893	0.946	0.004	5_CD8.T_{nai}
CHCHD2	<0.001	0.669	0.768	0.833	0.005	5_CD8.T_{nai}
TNFRSF1B	<0.001	0.679	0.321	0.103	0.005	5_CD8.T_{nai}
GBP1	<0.001	0.861	0.429	0.190	0.005	5_CD8.T_{nai}
DGKA	<0.001	-0.504	0.054	0.445	0.005	5_CD8.T_{nai}
TMEM204	<0.001	-0.500	0.000	0.347	0.005	5_CD8.T_{nai}
NR4A1	<0.001	-0.550	0.000	0.347	0.005	5_CD8.T_{nai}
ARL6IP5	<0.001	0.898	0.696	0.645	0.006	5_CD8.T_{nai}
GADD45B	<0.001	-0.502	0.179	0.640	0.007	5_CD8.T_{nai}
ZFP36L2	<0.001	0.664	0.929	0.920	0.007	5_CD8.T_{nai}
AC007952.4	<0.001	-0.505	0.000	0.342	0.007	5_CD8.T_{nai}
TBCB	<0.001	0.751	0.482	0.262	0.008	5_CD8.T_{nai}
IL2RG	<0.001	0.886	0.679	0.568	0.008	5_CD8.T_{nai}
CD3E	<0.001	0.525	0.875	0.974	0.009	5_CD8.T_{nai}
S100B	<0.001	-1.003	0.071	0.429	0.012	5_CD8.T_{nai}
RUNX3	<0.001	0.976	0.554	0.362	0.013	5_CD8.T_{nai}
MRPL10	<0.001	0.755	0.339	0.123	0.015	5_CD8.T_{nai}
DUSP2	<0.001	1.087	0.571	0.388	0.015	5_CD8.T_{nai}
MXD4	<0.001	0.631	0.357	0.139	0.015	5_CD8.T_{nai}
SYTL3	<0.001	0.710	0.250	0.064	0.016	5_CD8.T_{nai}
SAMD9L	<0.001	0.503	0.304	0.095	0.016	5_CD8.T_{nai}
CD53	<0.001	0.921	0.643	0.573	0.017	5_CD8.T_{nai}
CCDC12	<0.001	0.798	0.518	0.326	0.017	5_CD8.T_{nai}
ATP2B4	<0.001	0.648	0.196	0.039	0.020	5_CD8.T_{nai}
TGFBR3	<0.001	0.695	0.125	0.013	0.020	5_CD8.T_{nai}
CDK2AP2	<0.001	0.800	0.446	0.229	0.025	5_CD8.T_{nai}
LSP1	<0.001	0.769	0.714	0.668	0.026	5_CD8.T_{nai}
PXN	<0.001	0.904	0.304	0.103	0.032	5_CD8.T_{nai}
LRRN3	<0.001	-0.544	0.000	0.311	0.034	5_CD8.T_{nai}

ANXA5	<0.001	0.552	0.321	0.113	0.037	5_CD8.T_{nai}
SYNE2	<0.001	0.890	0.518	0.321	0.037	5_CD8.T_{nai}
EVL	<0.001	0.504	0.839	0.954	0.038	5_CD8.T_{nai}
ATP1B3	<0.001	0.733	0.375	0.165	0.062	5_CD8.T_{nai}
LINC02084	<0.001	0.650	0.107	0.010	0.086	5_CD8.T_{nai}
DOK2	<0.001	0.760	0.375	0.167	0.121	5_CD8.T_{nai}
PLA2G16	<0.001	0.612	0.250	0.075	0.123	5_CD8.T_{nai}
CASP1	<0.001	0.623	0.411	0.213	0.155	5_CD8.T_{nai}
SRRM2	<0.001	0.687	0.714	0.661	0.165	5_CD8.T_{nai}
ATP6V0E1	<0.001	0.595	0.714	0.748	0.176	5_CD8.T_{nai}
UBL5	<0.001	0.583	0.768	0.825	0.241	5_CD8.T_{nai}
TMEM179B	<0.001	0.600	0.393	0.201	0.242	5_CD8.T_{nai}
NFATC2	<0.001	0.734	0.286	0.105	0.274	5_CD8.T_{nai}
UBC	<0.001	0.557	0.804	0.974	0.278	5_CD8.T_{nai}
SUB1	<0.001	0.714	0.732	0.810	0.311	5_CD8.T_{nai}
ARF1	<0.001	0.622	0.607	0.535	0.327	5_CD8.T_{nai}
CLEC2B	<0.001	0.963	0.500	0.355	0.328	5_CD8.T_{nai}
DNAJC1	<0.001	0.583	0.268	0.093	0.396	5_CD8.T_{nai}
TPST2	<0.001	0.636	0.411	0.224	0.452	5_CD8.T_{nai}
RHBDF2	<0.001	0.547	0.196	0.051	0.473	5_CD8.T_{nai}
VPS37B	<0.001	0.772	0.286	0.111	0.520	5_CD8.T_{nai}
C11orf21	<0.001	0.651	0.250	0.085	0.527	5_CD8.T_{nai}
LCP1	<0.001	0.702	0.661	0.612	0.582	5_CD8.T_{nai}
ARPC1B	<0.001	0.806	0.679	0.733	0.602	5_CD8.T_{nai}
HACD4	<0.001	0.506	0.250	0.085	0.622	5_CD8.T_{nai}
IFI35	<0.001	0.534	0.339	0.157	0.642	5_CD8.T_{nai}
RAC2	<0.001	0.534	0.786	0.895	0.654	5_CD8.T_{nai}
RNPEPL1	<0.001	0.838	0.464	0.301	0.659	5_CD8.T_{nai}
SLAMF6	<0.001	0.611	0.179	0.044	0.677	5_CD8.T_{nai}
RHOA	<0.001	0.733	0.643	0.686	0.689	5_CD8.T_{nai}
TMBIM6	<0.001	0.632	0.696	0.704	0.790	5_CD8.T_{nai}
SYTL2	<0.001	0.508	0.196	0.054	0.857	5_CD8.T_{nai}
TMEM173	<0.001	0.652	0.446	0.278	0.915	5_CD8.T_{nai}
NEDD8	<0.001	0.513	0.679	0.668	0.946	5_CD8.T_{nai}
ISG20	<0.001	0.774	0.696	0.704	0.972	5_CD8.T_{nai}
JPT1	<0.001	0.539	0.393	0.221	1.000	5_CD8.T_{nai}

VAMP2	<0.001	0.527	0.714	0.835	1.000	5_CD8.T_{nai}
OSTF1	<0.001	0.599	0.464	0.314	1.000	5_CD8.T_{nai}
ARPC5L	<0.001	0.795	0.429	0.267	1.000	5_CD8.T_{nai}
PDIA6	<0.001	0.796	0.411	0.247	1.000	5_CD8.T_{nai}
RNF149	<0.001	0.562	0.339	0.165	1.000	5_CD8.T_{nai}
CDC42	<0.001	0.652	0.804	0.851	1.000	5_CD8.T_{nai}
SH3BP5	<0.001	0.767	0.304	0.134	1.000	5_CD8.T_{nai}
BSG	<0.001	0.602	0.446	0.296	1.000	5_CD8.T_{nai}
OPTN	<0.001	0.717	0.339	0.170	1.000	5_CD8.T_{nai}
PSMA7	<0.001	0.800	0.661	0.699	1.000	5_CD8.T_{nai}
RAC1	<0.001	0.722	0.536	0.440	1.000	5_CD8.T_{nai}
TMEM59	<0.001	0.591	0.589	0.545	1.000	5_CD8.T_{nai}
GNG2	<0.001	0.712	0.339	0.172	1.000	5_CD8.T_{nai}
IDS	<0.001	0.805	0.500	0.378	1.000	5_CD8.T_{nai}
IRF7	<0.001	0.831	0.304	0.139	1.000	5_CD8.T_{nai}
GNAI2	<0.001	0.775	0.696	0.748	1.000	5_CD8.T_{nai}
VOPP1	<0.001	0.529	0.304	0.139	1.000	5_CD8.T_{nai}
MOB2	<0.001	0.596	0.321	0.157	1.000	5_CD8.T_{nai}
FOSL2	<0.001	0.582	0.196	0.062	1.000	5_CD8.T_{nai}
ATP6V0B	<0.001	0.748	0.446	0.301	1.000	5_CD8.T_{nai}
CDC14B	<0.001	0.583	0.107	0.018	1.000	5_CD8.T_{nai}
NDUFB10	<0.001	0.598	0.554	0.476	1.000	5_CD8.T_{nai}
MRPL28	<0.001	0.665	0.286	0.129	1.000	5_CD8.T_{nai}
HSP90B1	<0.001	0.695	0.571	0.488	1.000	5_CD8.T_{nai}
APMAP	<0.001	0.609	0.321	0.162	1.000	5_CD8.T_{nai}
ACP1	<0.001	0.563	0.482	0.357	1.000	5_CD8.T_{nai}
PRR13	<0.001	0.656	0.589	0.553	1.000	5_CD8.T_{nai}
DBI	<0.001	0.777	0.571	0.542	1.000	5_CD8.T_{nai}
REEP5	<0.001	0.685	0.393	0.252	1.000	5_CD8.T_{nai}
PTPRE	<0.001	0.706	0.250	0.103	1.000	5_CD8.T_{nai}
CIB1	<0.001	0.726	0.607	0.632	1.000	5_CD8.T_{nai}
GSTP1	<0.001	0.668	0.571	0.506	1.000	5_CD8.T_{nai}
ARHGAP10	<0.001	0.506	0.214	0.077	1.000	5_CD8.T_{nai}
EMC7	<0.001	0.603	0.357	0.211	1.000	5_CD8.T_{nai}
CALR	<0.001	0.765	0.625	0.640	1.000	5_CD8.T_{nai}
GNG5	<0.001	0.727	0.536	0.442	1.000	5_CD8.T_{nai}

SSNA1	<0.001	0.576	0.482	0.362	1.000	5_CD8.T_{nai}
NEAT1	<0.001	0.573	0.804	0.825	1.000	5_CD8.T_{nai}
OAS1	<0.001	0.531	0.143	0.036	1.000	5_CD8.T_{nai}
TMEM50A	<0.001	0.545	0.518	0.429	1.000	5_CD8.T_{nai}
VAMP8	<0.001	0.637	0.589	0.599	1.000	5_CD8.T_{nai}
PSMD8	<0.001	0.698	0.536	0.486	1.000	5_CD8.T_{nai}
SLC9A3R1	<0.001	0.757	0.464	0.360	1.000	5_CD8.T_{nai}
ARF6	<0.001	0.779	0.518	0.452	1.000	5_CD8.T_{nai}
AC044849.1	<0.001	0.718	0.393	0.252	1.000	5_CD8.T_{nai}
DYNLT1	0.001	0.655	0.339	0.195	1.000	5_CD8.T_{nai}
EZR	0.001	0.679	0.446	0.329	1.000	5_CD8.T_{nai}
RAB5C	0.001	0.642	0.429	0.311	1.000	5_CD8.T_{nai}
WARS	0.001	0.554	0.125	0.031	1.000	5_CD8.T_{nai}
CCND3	0.001	0.670	0.679	0.722	1.000	5_CD8.T_{nai}
DYNLRB1	0.001	0.635	0.500	0.427	1.000	5_CD8.T_{nai}
PARP9	0.001	0.801	0.268	0.129	1.000	5_CD8.T_{nai}
CARD16	0.001	0.856	0.393	0.265	1.000	5_CD8.T_{nai}
TUBA4A	0.001	0.561	0.554	0.514	1.000	5_CD8.T_{nai}
BIN2	0.001	0.764	0.589	0.573	1.000	5_CD8.T_{nai}
COMMD4	0.001	0.508	0.214	0.087	1.000	5_CD8.T_{nai}
ARHGDIA	0.001	0.637	0.464	0.378	1.000	5_CD8.T_{nai}
STAT1	0.001	0.781	0.464	0.360	1.000	5_CD8.T_{nai}
NAPA	0.001	0.500	0.304	0.170	1.000	5_CD8.T_{nai}
PPP1CA	0.001	0.800	0.571	0.568	1.000	5_CD8.T_{nai}
GNB2	0.001	0.814	0.429	0.332	1.000	5_CD8.T_{nai}
RGS19	0.001	0.676	0.375	0.249	1.000	5_CD8.T_{nai}
MGST3	0.001	0.614	0.446	0.355	1.000	5_CD8.T_{nai}
C11orf58	0.001	0.540	0.643	0.717	1.000	5_CD8.T_{nai}
HSD17B10	0.001	0.603	0.357	0.229	1.000	5_CD8.T_{nai}
SYNE1	0.001	0.743	0.411	0.288	1.000	5_CD8.T_{nai}
RNASET2	0.001	0.626	0.411	0.296	1.000	5_CD8.T_{nai}
BAX	0.001	0.706	0.500	0.442	1.000	5_CD8.T_{nai}
SDF2L1	0.002	0.716	0.339	0.211	1.000	5_CD8.T_{nai}
PSMB3	0.002	0.628	0.518	0.499	1.000	5_CD8.T_{nai}
WDR83OS	0.002	0.548	0.518	0.473	1.000	5_CD8.T_{nai}
SELENOS	0.002	0.566	0.321	0.193	1.000	5_CD8.T_{nai}

MED15	0.002	0.531	0.357	0.242	1.000	5_CD8.T_{nai}
AGTRAP	0.002	0.518	0.232	0.111	1.000	5_CD8.T_{nai}
MX1	0.002	0.736	0.286	0.162	1.000	5_CD8.T_{nai}
APOL6	0.002	0.659	0.357	0.242	1.000	5_CD8.T_{nai}
ENSA	0.002	0.774	0.482	0.424	1.000	5_CD8.T_{nai}
SEPTIN7	0.003	0.511	0.679	0.735	1.000	5_CD8.T_{nai}
RNF19A	0.003	0.610	0.232	0.113	1.000	5_CD8.T_{nai}
DAZAP2	0.003	0.589	0.589	0.612	1.000	5_CD8.T_{nai}
GBP2	0.003	0.694	0.411	0.314	1.000	5_CD8.T_{nai}
MRPS6	0.003	0.556	0.446	0.375	1.000	5_CD8.T_{nai}
RASSF1	0.003	0.610	0.304	0.185	1.000	5_CD8.T_{nai}
SLA	0.003	0.639	0.339	0.224	1.000	5_CD8.T_{nai}
FKBP8	0.004	0.614	0.518	0.509	1.000	5_CD8.T_{nai}
COTL1	0.004	0.587	0.625	0.686	1.000	5_CD8.T_{nai}
CEP78	0.004	0.619	0.196	0.087	1.000	5_CD8.T_{nai}
CTDSP1	0.004	0.556	0.393	0.290	1.000	5_CD8.T_{nai}
SKAP1	0.004	0.667	0.482	0.437	1.000	5_CD8.T_{nai}
SNRPG	0.006	0.514	0.482	0.440	1.000	5_CD8.T_{nai}
SELENOK	0.006	0.631	0.429	0.375	1.000	5_CD8.T_{nai}
YWHAQ	0.006	0.516	0.500	0.491	1.000	5_CD8.T_{nai}
HLA-DRA	0.007	1.015	0.357	0.272	1.000	5_CD8.T_{nai}
KRTCAP2	0.007	0.719	0.429	0.370	1.000	5_CD8.T_{nai}
ZBTB1	0.008	0.556	0.232	0.126	1.000	5_CD8.T_{nai}
ATP5F1C	0.008	0.616	0.464	0.447	1.000	5_CD8.T_{nai}
PPP4C	0.008	0.519	0.393	0.329	1.000	5_CD8.T_{nai}
CEBPB	0.009	0.547	0.393	0.316	1.000	5_CD8.T_{nai}
APOBEC3C	0.009	0.727	0.250	0.144	1.000	5_CD8.T_{nai}
AKNA	0.009	0.695	0.500	0.478	1.000	5_CD8.T_{nai}
COX8A	0.009	0.628	0.536	0.607	1.000	5_CD8.T_{nai}
PRELID1	0.010	0.553	0.518	0.522	1.000	5_CD8.T_{nai}
MYADM	0.010	0.517	0.357	0.254	1.000	5_CD8.T_{nai}
SELPLG	0.011	0.620	0.393	0.329	1.000	5_CD8.T_{nai}
RHOF	0.011	0.731	0.446	0.414	1.000	5_CD8.T_{nai}
DNAJB6	0.012	0.643	0.411	0.362	1.000	5_CD8.T_{nai}
SCAMP2	0.012	0.796	0.304	0.208	1.000	5_CD8.T_{nai}
PRDX5	0.013	0.559	0.446	0.398	1.000	5_CD8.T_{nai}

CALM2	0.013	0.526	0.643	0.758	1.000	5_CD8.T_{nai}
PIGT	0.013	0.604	0.268	0.170	1.000	5_CD8.T_{nai}
SAMD9	0.013	0.728	0.339	0.254	1.000	5_CD8.T_{nai}
EIF2AK2	0.014	0.520	0.304	0.216	1.000	5_CD8.T_{nai}
LLPH	0.014	0.567	0.250	0.154	1.000	5_CD8.T_{nai}
UBE2N	0.015	0.521	0.393	0.337	1.000	5_CD8.T_{nai}
PER1	0.015	0.548	0.214	0.121	1.000	5_CD8.T_{nai}
JMJD6	0.015	0.582	0.196	0.105	1.000	5_CD8.T_{nai}
KLF3	0.016	0.524	0.393	0.339	1.000	5_CD8.T_{nai}
PTPN7	0.016	0.732	0.357	0.283	1.000	5_CD8.T_{nai}
FAM133B	0.016	0.678	0.482	0.476	1.000	5_CD8.T_{nai}
CFLAR	0.016	0.596	0.429	0.388	1.000	5_CD8.T_{nai}
IFI16	0.017	0.600	0.375	0.308	1.000	5_CD8.T_{nai}
EBP	0.017	0.525	0.268	0.177	1.000	5_CD8.T_{nai}
SCAND1	0.018	0.586	0.446	0.440	1.000	5_CD8.T_{nai}
CAP1	0.018	0.528	0.554	0.679	1.000	5_CD8.T_{nai}
UBE2L3	0.019	0.740	0.429	0.419	1.000	5_CD8.T_{nai}
TMX4	0.019	0.508	0.250	0.157	1.000	5_CD8.T_{nai}
CD247	0.020	0.623	0.536	0.596	1.000	5_CD8.T_{nai}
MYO1G	0.023	0.520	0.357	0.298	1.000	5_CD8.T_{nai}
PSMB2	0.023	0.611	0.339	0.275	1.000	5_CD8.T_{nai}
MSN	0.023	0.542	0.500	0.512	1.000	5_CD8.T_{nai}
MIEN1	0.024	0.669	0.286	0.208	1.000	5_CD8.T_{nai}
GSDMD	0.024	0.507	0.393	0.344	1.000	5_CD8.T_{nai}
PDIA3	0.025	0.606	0.482	0.522	1.000	5_CD8.T_{nai}
GADD45GIP1	0.025	0.540	0.411	0.380	1.000	5_CD8.T_{nai}
MYDGF	0.026	0.506	0.321	0.252	1.000	5_CD8.T_{nai}
DYNLL1	0.026	0.595	0.429	0.416	1.000	5_CD8.T_{nai}
VAMP5	0.028	0.557	0.411	0.388	1.000	5_CD8.T_{nai}
GNB1	0.029	0.610	0.393	0.360	1.000	5_CD8.T_{nai}
ODF2L	0.030	0.595	0.321	0.254	1.000	5_CD8.T_{nai}
CAPN2	0.032	0.539	0.321	0.257	1.000	5_CD8.T_{nai}
PCBD1	0.033	0.505	0.125	0.057	1.000	5_CD8.T_{nai}
CHMP2A	0.034	0.514	0.339	0.285	1.000	5_CD8.T_{nai}
HMGB2	0.035	0.537	0.375	0.339	1.000	5_CD8.T_{nai}
YWHAB	0.035	0.506	0.643	0.784	1.000	5_CD8.T_{nai}

DRAP1	0.037	0.577	0.518	0.617	1.000	5_CD8.T_{nai}
SH3KBP1	0.038	0.618	0.411	0.386	1.000	5_CD8.T_{nai}
MIF	0.039	0.589	0.375	0.347	1.000	5_CD8.T_{nai}
VDAC3	0.040	0.568	0.357	0.316	1.000	5_CD8.T_{nai}
H2AFZ	0.040	0.500	0.554	0.625	1.000	5_CD8.T_{nai}
SP100	0.041	0.536	0.482	0.509	1.000	5_CD8.T_{nai}
PAXX	0.042	0.608	0.464	0.486	1.000	5_CD8.T_{nai}
RHOG	0.042	0.572	0.375	0.350	1.000	5_CD8.T_{nai}
RSF1	0.046	0.647	0.429	0.427	1.000	5_CD8.T_{nai}
PCYT1A	0.048	0.515	0.161	0.090	1.000	5_CD8.T_{nai}
HBB	<0.001	1.900	0.836	0.010	<0.001	14_CD8.T_{eff}2
IFITM1	<0.001	2.390	0.910	0.182	<0.001	14_CD8.T_{eff}2
NKG7	<0.001	1.224	1.000	0.964	<0.001	14_CD8.T_{eff}2
HBA2	<0.001	1.658	0.567	0.000	<0.001	14_CD8.T_{eff}2
TNFAIP3	<0.001	1.610	0.821	0.188	<0.001	14_CD8.T_{eff}2
MYOM2	<0.001	1.632	0.537	0.005	<0.001	14_CD8.T_{eff}2
HLA-DQA2	<0.001	1.356	0.701	0.094	<0.001	14_CD8.T_{eff}2
CXCR4	<0.001	1.643	0.925	0.505	<0.001	14_CD8.T_{eff}2
FGFBP2	<0.001	1.625	0.955	0.573	<0.001	14_CD8.T_{eff}2
PRF1	<0.001	1.238	0.985	0.781	<0.001	14_CD8.T_{eff}2
FOS	<0.001	-1.914	0.090	0.891	<0.001	14_CD8.T_{eff}2
HLA-C	<0.001	0.802	0.985	0.995	<0.001	14_CD8.T_{eff}2
FOSB	<0.001	-1.804	0.119	0.917	<0.001	14_CD8.T_{eff}2
HBA1	<0.001	1.976	0.478	0.000	<0.001	14_CD8.T_{eff}2
CCL4	<0.001	1.569	0.925	0.443	<0.001	14_CD8.T_{eff}2
CST7	<0.001	0.977	1.000	0.885	<0.001	14_CD8.T_{eff}2
GZMH	<0.001	1.140	0.985	0.656	<0.001	14_CD8.T_{eff}2
HLA-B	<0.001	0.653	0.985	1.000	<0.001	14_CD8.T_{eff}2
IFI27	<0.001	2.181	0.478	0.016	<0.001	14_CD8.T_{eff}2
HLA-DRB1	<0.001	1.261	0.791	0.250	<0.001	14_CD8.T_{eff}2
GZMB	<0.001	1.332	0.925	0.516	<0.001	14_CD8.T_{eff}2
TSC22D3	<0.001	1.298	0.940	0.688	<0.001	14_CD8.T_{eff}2
METRNL	<0.001	1.076	0.582	0.068	<0.001	14_CD8.T_{eff}2
SH3BGRL3	<0.001	0.784	1.000	0.990	<0.001	14_CD8.T_{eff}2
DDIT4	<0.001	1.468	0.731	0.203	<0.001	14_CD8.T_{eff}2
GNLY	<0.001	1.046	0.985	0.995	<0.001	14_CD8.T_{eff}2

CCL4L2	<0.001	1.079	0.388	0.000	<0.001	14_CD8.T_{eff}2
RARRES3	<0.001	0.941	0.955	0.807	<0.001	14_CD8.T_{eff}2
KLRG1	<0.001	-1.240	0.179	0.859	<0.001	14_CD8.T_{eff}2
HLA-DPB1	<0.001	1.116	0.896	0.510	<0.001	14_CD8.T_{eff}2
IFI6	<0.001	1.236	0.716	0.245	<0.001	14_CD8.T_{eff}2
CCL5	<0.001	0.807	1.000	0.979	<0.001	14_CD8.T_{eff}2
TYMP	<0.001	1.091	0.731	0.224	<0.001	14_CD8.T_{eff}2
HLA-DPA1	<0.001	1.041	0.881	0.479	<0.001	14_CD8.T_{eff}2
RGS1	<0.001	1.256	0.448	0.036	<0.001	14_CD8.T_{eff}2
LY6E	<0.001	1.087	0.940	0.792	<0.001	14_CD8.T_{eff}2
SRGN	<0.001	0.768	0.985	0.891	<0.001	14_CD8.T_{eff}2
ISG15	<0.001	1.237	0.806	0.422	<0.001	14_CD8.T_{eff}2
ARL4C	<0.001	0.868	0.955	0.906	<0.001	14_CD8.T_{eff}2
HLA-E	<0.001	0.620	0.985	0.990	<0.001	14_CD8.T_{eff}2
PFN1	<0.001	0.638	1.000	0.984	<0.001	14_CD8.T_{eff}2
CD74	<0.001	1.288	0.881	0.620	<0.001	14_CD8.T_{eff}2
SERTAD3	<0.001	0.846	0.403	0.031	<0.001	14_CD8.T_{eff}2
IFI44L	<0.001	1.087	0.403	0.036	<0.001	14_CD8.T_{eff}2
BTG1	<0.001	0.710	0.985	0.948	<0.001	14_CD8.T_{eff}2
UBB	<0.001	0.724	0.970	0.901	<0.001	14_CD8.T_{eff}2
LAIR2	<0.001	1.117	0.582	0.141	<0.001	14_CD8.T_{eff}2
PRSS23	<0.001	1.097	0.612	0.188	<0.001	14_CD8.T_{eff}2
IL32	<0.001	0.550	0.985	0.979	<0.001	14_CD8.T_{eff}2
MTRNR2L12	<0.001	-0.985	0.000	0.568	<0.001	14_CD8.T_{eff}2
ZFP36	<0.001	1.193	0.806	0.536	<0.001	14_CD8.T_{eff}2
IFITM2	<0.001	0.828	0.940	0.755	<0.001	14_CD8.T_{eff}2
LGALS1	<0.001	1.205	0.866	0.578	<0.001	14_CD8.T_{eff}2
CD27	<0.001	-0.946	0.030	0.609	<0.001	14_CD8.T_{eff}2
CES1	<0.001	0.804	0.418	0.052	<0.001	14_CD8.T_{eff}2
LITAF	<0.001	0.900	0.881	0.750	<0.001	14_CD8.T_{eff}2
RBM38	<0.001	0.842	0.597	0.188	<0.001	14_CD8.T_{eff}2
HLA-DQB1	<0.001	0.825	0.448	0.083	<0.001	14_CD8.T_{eff}2
IRF1	<0.001	0.845	0.881	0.750	<0.001	14_CD8.T_{eff}2
CRIP1	<0.001	0.870	0.716	0.344	<0.001	14_CD8.T_{eff}2
IL7R	<0.001	-1.472	0.060	0.599	<0.001	14_CD8.T_{eff}2
PSME2	<0.001	0.850	0.866	0.703	<0.001	14_CD8.T_{eff}2

CTSW	<0.001	0.563	0.985	0.943	<0.001	14_CD8.T_{eff}2
XAF1	<0.001	0.917	0.642	0.234	<0.001	14_CD8.T_{eff}2
TOMM7	<0.001	-0.580	0.791	0.969	<0.001	14_CD8.T_{eff}2
CD8B	<0.001	1.116	0.821	0.521	<0.001	14_CD8.T_{eff}2
IRF9	<0.001	0.855	0.582	0.198	<0.001	14_CD8.T_{eff}2
GAPDH	<0.001	0.519	0.970	0.964	<0.001	14_CD8.T_{eff}2
FCGR3A	<0.001	1.013	0.716	0.385	<0.001	14_CD8.T_{eff}2
FLNA	<0.001	0.786	0.910	0.771	<0.001	14_CD8.T_{eff}2
LTB	<0.001	-1.484	0.075	0.552	<0.001	14_CD8.T_{eff}2
LYZ	<0.001	-0.807	0.045	0.531	<0.001	14_CD8.T_{eff}2
DEFA3	<0.001	0.664	0.209	0.000	<0.001	14_CD8.T_{eff}2
CYBA	<0.001	0.532	0.985	0.979	<0.001	14_CD8.T_{eff}2
SYNGR1	<0.001	0.693	0.328	0.047	<0.001	14_CD8.T_{eff}2
EPSTI1	<0.001	0.755	0.373	0.068	<0.001	14_CD8.T_{eff}2
BST2	<0.001	0.806	0.761	0.521	<0.001	14_CD8.T_{eff}2
LINC02446	<0.001	0.577	0.269	0.021	<0.001	14_CD8.T_{eff}2
ARHGAP10	<0.001	0.883	0.358	0.062	<0.001	14_CD8.T_{eff}2
CMC1	<0.001	-1.062	0.030	0.474	<0.001	14_CD8.T_{eff}2
TCF7	<0.001	-0.780	0.060	0.516	<0.001	14_CD8.T_{eff}2
CTLA4	<0.001	0.540	0.209	0.005	<0.001	14_CD8.T_{eff}2
BPGM	<0.001	0.577	0.313	0.042	<0.001	14_CD8.T_{eff}2
HSP90AA1	<0.001	0.554	0.970	0.974	<0.001	14_CD8.T_{eff}2
IFIT3	<0.001	0.669	0.239	0.016	<0.001	14_CD8.T_{eff}2
JUN	<0.001	-0.619	0.881	0.984	<0.001	14_CD8.T_{eff}2
GBP1	<0.001	0.824	0.537	0.245	<0.001	14_CD8.T_{eff}2
DUSP5	<0.001	0.914	0.358	0.078	<0.001	14_CD8.T_{eff}2
AC004687.1	<0.001	-0.710	0.164	0.625	<0.001	14_CD8.T_{eff}2
PARP9	<0.001	0.728	0.433	0.125	<0.001	14_CD8.T_{eff}2
CEMIP2	<0.001	0.673	0.433	0.125	<0.001	14_CD8.T_{eff}2
HLA-DRA	<0.001	1.010	0.597	0.318	<0.001	14_CD8.T_{eff}2
GZMA	<0.001	0.536	0.940	0.917	<0.001	14_CD8.T_{eff}2
TAP2	<0.001	0.715	0.448	0.141	<0.001	14_CD8.T_{eff}2
ITGB1	<0.001	0.608	0.821	0.573	<0.001	14_CD8.T_{eff}2
ISG20	<0.001	0.891	0.731	0.583	<0.001	14_CD8.T_{eff}2
STAT1	<0.001	0.692	0.552	0.240	<0.001	14_CD8.T_{eff}2
OASL	<0.001	0.535	0.343	0.073	<0.001	14_CD8.T_{eff}2

BHLHE40	<0.001	0.683	0.493	0.203	<0.001	14_CD8.T_{eff}2
UBE2L6	<0.001	0.705	0.627	0.385	<0.001	14_CD8.T_{eff}2
DDX3Y	<0.001	-0.612	0.000	0.354	0.001	14_CD8.T_{eff}2
TENT5C	<0.001	0.589	0.284	0.047	0.001	14_CD8.T_{eff}2
KLRB1	<0.001	-1.287	0.030	0.380	0.001	14_CD8.T_{eff}2
CD81	<0.001	0.514	0.881	0.776	0.001	14_CD8.T_{eff}2
BRD2	<0.001	-0.654	0.194	0.615	0.002	14_CD8.T_{eff}2
AC007952.4	<0.001	-0.625	0.015	0.365	0.002	14_CD8.T_{eff}2
ATM	<0.001	-0.638	0.328	0.724	0.002	14_CD8.T_{eff}2
SAMSN1	<0.001	0.642	0.493	0.219	0.002	14_CD8.T_{eff}2
IER5	<0.001	-0.728	0.134	0.510	0.004	14_CD8.T_{eff}2
GIMAP1	<0.001	-0.616	0.239	0.635	0.004	14_CD8.T_{eff}2
SMIM37	<0.001	-0.542	0.045	0.401	0.004	14_CD8.T_{eff}2
TLE4	<0.001	-0.604	0.134	0.526	0.004	14_CD8.T_{eff}2
GADD45B	<0.001	-0.662	0.179	0.583	0.004	14_CD8.T_{eff}2
DYNLT1	<0.001	0.590	0.493	0.234	0.004	14_CD8.T_{eff}2
OAS1	<0.001	0.573	0.269	0.052	0.005	14_CD8.T_{eff}2
TAP1	<0.001	0.749	0.672	0.484	0.005	14_CD8.T_{eff}2
BTG2	<0.001	-0.766	0.239	0.620	0.005	14_CD8.T_{eff}2
NBDY	<0.001	-0.518	0.104	0.495	0.007	14_CD8.T_{eff}2
SH2D1A	<0.001	-0.597	0.090	0.453	0.007	14_CD8.T_{eff}2
CCDC12	<0.001	0.577	0.642	0.427	0.007	14_CD8.T_{eff}2
GIMAP7	<0.001	-0.559	0.522	0.896	0.008	14_CD8.T_{eff}2
A2M-AS1	<0.001	-0.598	0.075	0.432	0.011	14_CD8.T_{eff}2
CEBPB	<0.001	0.635	0.612	0.401	0.011	14_CD8.T_{eff}2
PSMB10	<0.001	0.664	0.448	0.193	0.012	14_CD8.T_{eff}2
CD63	<0.001	0.532	0.821	0.745	0.013	14_CD8.T_{eff}2
KLRF1	<0.001	-0.659	0.000	0.297	0.013	14_CD8.T_{eff}2
GIMAP6	<0.001	-0.549	0.030	0.354	0.014	14_CD8.T_{eff}2
GABPB1-AS1	<0.001	-0.611	0.104	0.464	0.015	14_CD8.T_{eff}2
PSMB9	<0.001	0.546	0.881	0.854	0.017	14_CD8.T_{eff}2
MBNL1	<0.001	-0.596	0.284	0.693	0.022	14_CD8.T_{eff}2
GZMK	<0.001	-0.694	0.104	0.479	0.022	14_CD8.T_{eff}2
CORO1B	<0.001	-0.518	0.030	0.339	0.036	14_CD8.T_{eff}2
RNF213	<0.001	0.509	0.910	0.844	0.038	14_CD8.T_{eff}2
SLC38A2	<0.001	-0.617	0.090	0.422	0.046	14_CD8.T_{eff}2

CYTIP	<0.001	0.621	0.657	0.484	0.046	14_CD8.T_{eff}2
TSPAN2	<0.001	0.587	0.224	0.042	0.050	14_CD8.T_{eff}2
ILF3-DT	<0.001	-0.561	0.194	0.562	0.051	14_CD8.T_{eff}2
TSTD1	<0.001	-0.512	0.224	0.609	0.051	14_CD8.T_{eff}2
FCRL6	<0.001	0.532	0.493	0.229	0.054	14_CD8.T_{eff}2
ADAR	<0.001	0.698	0.612	0.411	0.055	14_CD8.T_{eff}2
BCL11B	<0.001	-0.519	0.164	0.531	0.062	14_CD8.T_{eff}2
STK17A	<0.001	-0.502	0.284	0.620	0.094	14_CD8.T_{eff}2
ZNF683	<0.001	0.650	0.388	0.151	0.135	14_CD8.T_{eff}2
LAG3	<0.001	0.701	0.433	0.214	0.229	14_CD8.T_{eff}2
LINC00861	<0.001	-0.531	0.104	0.411	0.252	14_CD8.T_{eff}2
KIF19	<0.001	0.501	0.239	0.057	0.304	14_CD8.T_{eff}2
TRBC1	<0.001	0.672	0.821	0.599	0.347	14_CD8.T_{eff}2
GBP2	<0.001	0.585	0.552	0.354	0.425	14_CD8.T_{eff}2
IRF7	<0.001	0.562	0.343	0.141	0.442	14_CD8.T_{eff}2
DBI	<0.001	0.550	0.731	0.630	0.959	14_CD8.T_{eff}2
TRDC	<0.001	-1.457	0.000	0.208	1.000	14_CD8.T_{eff}2
ITGB7	<0.001	0.522	0.612	0.453	1.000	14_CD8.T_{eff}2
MT2A	<0.001	-0.571	0.358	0.688	1.000	14_CD8.T_{eff}2
JMJD6	<0.001	0.510	0.328	0.130	1.000	14_CD8.T_{eff}2
GBP4	<0.001	0.575	0.388	0.193	1.000	14_CD8.T_{eff}2
MAP3K8	<0.001	0.580	0.299	0.120	1.000	14_CD8.T_{eff}2
ZEB2	<0.001	0.500	0.701	0.536	1.000	14_CD8.T_{eff}2
GTF3C1	<0.001	0.562	0.343	0.156	1.000	14_CD8.T_{eff}2
MAP2K2	<0.001	0.538	0.642	0.536	1.000	14_CD8.T_{eff}2
CD2	<0.001	0.505	0.776	0.719	1.000	14_CD8.T_{eff}2
PTMS	<0.001	0.500	0.313	0.135	1.000	14_CD8.T_{eff}2
ATG2A	<0.001	0.618	0.343	0.167	1.000	14_CD8.T_{eff}2
RBCK1	<0.001	0.506	0.478	0.302	1.000	14_CD8.T_{eff}2
EIF2AK2	0.001	0.568	0.388	0.219	1.000	14_CD8.T_{eff}2
SERPINB1	0.001	0.617	0.552	0.448	1.000	14_CD8.T_{eff}2
ASCL2	0.001	0.534	0.343	0.172	1.000	14_CD8.T_{eff}2
CHST12	0.001	0.532	0.582	0.495	1.000	14_CD8.T_{eff}2
SSBP3	0.001	0.525	0.433	0.276	1.000	14_CD8.T_{eff}2
MX1	0.001	0.554	0.328	0.177	1.000	14_CD8.T_{eff}2
AUP1	0.001	0.501	0.418	0.276	1.000	14_CD8.T_{eff}2

HERPUD1	0.002	0.616	0.552	0.448	1.000	14_CD8.T_{eff}2
FGR	0.002	0.552	0.403	0.260	1.000	14_CD8.T_{eff}2
DUSP2	0.003	0.803	0.582	0.484	1.000	14_CD8.T_{eff}2
G3BP2	0.006	0.501	0.448	0.323	1.000	14_CD8.T_{eff}2
TRBC2	0.009	0.616	0.716	0.781	1.000	14_CD8.T_{eff}2
NSG1	0.010	0.526	0.328	0.224	1.000	14_CD8.T_{eff}2
TYROBP	0.015	1.162	0.328	0.234	1.000	14_CD8.T_{eff}2
ARID5B	0.036	0.557	0.299	0.208	1.000	14_CD8.T_{eff}2

Table SXII. Differentially expressed genes between the patient maternal engrafted and healthy cells in each T cell sub-cluster.

Gene	p_val	avg_logFC	pct.1	pct.2	p_val_adj	cluster
XIST	<0.001	1.830	1.000	0.000	<0.001	3_CD8.T_{eff}1
IFITM1	<0.001	2.452	0.977	0.143	<0.001	3_CD8.T_{eff}1
HLA-C	<0.001	1.162	1.000	0.989	<0.001	3_CD8.T_{eff}1
LTB	<0.001	-1.920	0.092	0.851	<0.001	3_CD8.T_{eff}1
FOSB	<0.001	-1.966	0.169	0.902	<0.001	3_CD8.T_{eff}1
HLA-B	<0.001	0.934	1.000	0.995	<0.001	3_CD8.T_{eff}1
NKG7	<0.001	2.213	0.993	0.652	<0.001	3_CD8.T_{eff}1
CCL4	<0.001	3.055	0.962	0.141	<0.001	3_CD8.T_{eff}1
GZMH	<0.001	2.474	0.952	0.139	<0.001	3_CD8.T_{eff}1
SH3BGRL3	<0.001	1.153	0.998	0.969	<0.001	3_CD8.T_{eff}1
FOS	<0.001	-1.660	0.226	0.915	<0.001	3_CD8.T_{eff}1
B2M	<0.001	0.569	1.000	0.998	<0.001	3_CD8.T_{eff}1
FGFBP2	<0.001	2.703	0.895	0.096	<0.001	3_CD8.T_{eff}1
CST7	<0.001	1.413	0.993	0.607	<0.001	3_CD8.T_{eff}1
SRGN	<0.001	1.357	0.992	0.755	<0.001	3_CD8.T_{eff}1
PFN1	<0.001	1.021	0.999	0.962	<0.001	3_CD8.T_{eff}1
PRF1	<0.001	1.838	0.938	0.364	<0.001	3_CD8.T_{eff}1
MTRNR2L12	<0.001	-1.026	0.004	0.580	<0.001	3_CD8.T_{eff}1
HLA-A	<0.001	0.705	1.000	0.995	<0.001	3_CD8.T_{eff}1
HLA-DPB1	<0.001	1.535	0.942	0.373	<0.001	3_CD8.T_{eff}1
HLA-DPA1	<0.001	1.530	0.941	0.357	<0.001	3_CD8.T_{eff}1
HBB	<0.001	1.797	0.819	0.013	<0.001	3_CD8.T_{eff}1
LY6E	<0.001	1.357	0.953	0.712	<0.001	3_CD8.T_{eff}1
CCL5	<0.001	0.991	0.998	0.938	<0.001	3_CD8.T_{eff}1
HLA-DRB1	<0.001	1.611	0.895	0.194	<0.001	3_CD8.T_{eff}1
TSC22D3	<0.001	1.401	0.972	0.721	<0.001	3_CD8.T_{eff}1
TCF7	<0.001	-1.134	0.102	0.746	<0.001	3_CD8.T_{eff}1
IL32	<0.001	0.839	0.998	0.969	<0.001	3_CD8.T_{eff}1
HLA-E	<0.001	0.727	0.999	0.987	<0.001	3_CD8.T_{eff}1
CXCR4	<0.001	1.469	0.944	0.645	<0.001	3_CD8.T_{eff}1
EEF1A1	<0.001	-0.588	1.000	0.998	<0.001	3_CD8.T_{eff}1
GZMB	<0.001	2.280	0.773	0.043	<0.001	3_CD8.T_{eff}1

RARRES3	<0.001	1.076	0.961	0.745	<0.001	3_CD8.T_{eff}1
IL7R	<0.001	-1.640	0.201	0.793	<0.001	3_CD8.T_{eff}1
CD27	<0.001	-0.887	0.092	0.728	<0.001	3_CD8.T_{eff}1
HLA-DQA2	<0.001	1.566	0.759	0.063	<0.001	3_CD8.T_{eff}1
GZMA	<0.001	1.113	0.990	0.699	<0.001	3_CD8.T_{eff}1
TNFAIP3	<0.001	1.479	0.857	0.283	<0.001	3_CD8.T_{eff}1
CD74	<0.001	1.429	0.945	0.665	<0.001	3_CD8.T_{eff}1
RGS1	<0.001	1.860	0.769	0.125	<0.001	3_CD8.T_{eff}1
PSME2	<0.001	1.056	0.931	0.647	<0.001	3_CD8.T_{eff}1
PSMB9	<0.001	1.004	0.955	0.766	<0.001	3_CD8.T_{eff}1
PSME1	<0.001	0.822	0.982	0.862	<0.001	3_CD8.T_{eff}1
TPT1	<0.001	-0.612	0.999	0.995	<0.001	3_CD8.T_{eff}1
ARL4C	<0.001	0.976	0.964	0.812	<0.001	3_CD8.T_{eff}1
DDIT4	<0.001	1.423	0.802	0.243	<0.001	3_CD8.T_{eff}1
CTSW	<0.001	1.022	0.957	0.734	<0.001	3_CD8.T_{eff}1
IFITM2	<0.001	1.056	0.918	0.649	<0.001	3_CD8.T_{eff}1
CD3D	<0.001	0.757	0.992	0.928	<0.001	3_CD8.T_{eff}1
GAPDH	<0.001	0.778	0.987	0.931	<0.001	3_CD8.T_{eff}1
ZFP36	<0.001	1.256	0.895	0.614	<0.001	3_CD8.T_{eff}1
ARHGDIB	<0.001	0.743	0.984	0.913	<0.001	3_CD8.T_{eff}1
RCAN3	<0.001	-0.678	0.025	0.455	<0.001	3_CD8.T_{eff}1
HLA-DRA	<0.001	1.660	0.776	0.281	<0.001	3_CD8.T_{eff}1
IFI6	<0.001	1.291	0.744	0.255	<0.001	3_CD8.T_{eff}1
EMP3	<0.001	0.847	0.952	0.833	<0.001	3_CD8.T_{eff}1
LAIR2	<0.001	1.439	0.626	0.034	<0.001	3_CD8.T_{eff}1
DDX3Y	<0.001	-0.576	0.000	0.355	<0.001	3_CD8.T_{eff}1
PRSS23	<0.001	1.327	0.610	0.022	<0.001	3_CD8.T_{eff}1
S100A4	<0.001	0.739	0.992	0.924	<0.001	3_CD8.T_{eff}1
TMSB10	<0.001	0.505	0.999	0.998	<0.001	3_CD8.T_{eff}1
FCGR3A	<0.001	1.384	0.627	0.060	<0.001	3_CD8.T_{eff}1
LYZ	<0.001	-0.855	0.100	0.591	<0.001	3_CD8.T_{eff}1
KLRB1	<0.001	-1.439	0.033	0.418	<0.001	3_CD8.T_{eff}1
CRIP1	<0.001	1.099	0.715	0.254	<0.001	3_CD8.T_{eff}1
METRNL	<0.001	1.161	0.595	0.040	<0.001	3_CD8.T_{eff}1
HBA2	<0.001	1.713	0.560	0.002	<0.001	3_CD8.T_{eff}1
CD81	<0.001	0.777	0.928	0.710	<0.001	3_CD8.T_{eff}1

CLIC1	<0.001	0.756	0.963	0.801	<0.001	3_CD8.T_{eff}1
GZMK	<0.001	-0.895	0.179	0.743	<0.001	3_CD8.T_{eff}1
ACTB	<0.001	0.586	1.000	0.995	<0.001	3_CD8.T_{eff}1
UBE2L6	<0.001	1.025	0.741	0.341	<0.001	3_CD8.T_{eff}1
EFHD2	<0.001	1.012	0.822	0.429	<0.001	3_CD8.T_{eff}1
CFL1	<0.001	0.600	0.989	0.957	<0.001	3_CD8.T_{eff}1
CD2	<0.001	0.802	0.934	0.708	<0.001	3_CD8.T_{eff}1
AC007952.4	<0.001	-0.688	0.021	0.382	<0.001	3_CD8.T_{eff}1
EGR1	<0.001	-0.663	0.006	0.333	<0.001	3_CD8.T_{eff}1
MYL6	<0.001	0.599	0.992	0.944	<0.001	3_CD8.T_{eff}1
HBA1	<0.001	1.791	0.533	0.000	<0.001	3_CD8.T_{eff}1
ISG15	<0.001	1.108	0.780	0.417	<0.001	3_CD8.T_{eff}1
SUB1	<0.001	0.724	0.945	0.803	<0.001	3_CD8.T_{eff}1
LGALS1	<0.001	1.405	0.740	0.295	<0.001	3_CD8.T_{eff}1
EEF1B2	<0.001	-0.600	0.926	0.980	<0.001	3_CD8.T_{eff}1
UBB	<0.001	0.681	0.969	0.862	<0.001	3_CD8.T_{eff}1
CYBA	<0.001	0.605	0.979	0.958	<0.001	3_CD8.T_{eff}1
IFI44L	<0.001	1.222	0.566	0.053	<0.001	3_CD8.T_{eff}1
MYL12B	<0.001	0.610	0.980	0.917	<0.001	3_CD8.T_{eff}1
BST2	<0.001	0.925	0.781	0.447	<0.001	3_CD8.T_{eff}1
MYC	<0.001	-0.558	0.008	0.321	<0.001	3_CD8.T_{eff}1
PABPC1	<0.001	-0.740	0.708	0.933	<0.001	3_CD8.T_{eff}1
TYMP	<0.001	1.090	0.666	0.199	<0.001	3_CD8.T_{eff}1
STAT1	<0.001	0.997	0.734	0.315	<0.001	3_CD8.T_{eff}1
ZEB2	<0.001	1.008	0.687	0.199	<0.001	3_CD8.T_{eff}1
NELL2	<0.001	-0.544	0.003	0.288	<0.001	3_CD8.T_{eff}1
IL2RG	<0.001	0.739	0.885	0.678	<0.001	3_CD8.T_{eff}1
C12orf75	<0.001	0.883	0.782	0.433	<0.001	3_CD8.T_{eff}1
ARPC3	<0.001	0.583	0.955	0.886	<0.001	3_CD8.T_{eff}1
LITAF	<0.001	0.794	0.851	0.636	<0.001	3_CD8.T_{eff}1
PSMB10	<0.001	0.936	0.614	0.196	<0.001	3_CD8.T_{eff}1
ARPC2	<0.001	0.570	0.976	0.929	<0.001	3_CD8.T_{eff}1
HSP90AA1	<0.001	0.550	0.983	0.949	<0.001	3_CD8.T_{eff}1
CHCHD2	<0.001	0.583	0.946	0.835	<0.001	3_CD8.T_{eff}1
CALM1	<0.001	0.516	0.991	0.967	<0.001	3_CD8.T_{eff}1
CD99	<0.001	0.604	0.945	0.853	<0.001	3_CD8.T_{eff}1

CTSC	<0.001	0.785	0.794	0.500	<0.001	3_CD8.T_{eff}1
BTG1	<0.001	0.610	0.995	0.978	<0.001	3_CD8.T_{eff}1
IRF9	<0.001	0.985	0.600	0.172	<0.001	3_CD8.T_{eff}1
SELL	<0.001	-0.742	0.068	0.418	<0.001	3_CD8.T_{eff}1
CHST12	<0.001	0.810	0.735	0.371	<0.001	3_CD8.T_{eff}1
XAF1	<0.001	0.954	0.629	0.216	<0.001	3_CD8.T_{eff}1
SPON2	<0.001	1.124	0.545	0.111	<0.001	3_CD8.T_{eff}1
TRBC1	<0.001	1.171	0.840	0.598	<0.001	3_CD8.T_{eff}1
CEMIP2	<0.001	0.923	0.579	0.161	<0.001	3_CD8.T_{eff}1
ITGB1	<0.001	0.830	0.764	0.379	<0.001	3_CD8.T_{eff}1
CLEC2B	<0.001	0.758	0.798	0.554	<0.001	3_CD8.T_{eff}1
IRF1	<0.001	0.809	0.867	0.685	<0.001	3_CD8.T_{eff}1
EPSTI1	<0.001	0.937	0.500	0.080	<0.001	3_CD8.T_{eff}1
AQP3	<0.001	-0.545	0.046	0.362	<0.001	3_CD8.T_{eff}1
FCRL6	<0.001	0.841	0.545	0.109	<0.001	3_CD8.T_{eff}1
DBI	<0.001	0.714	0.788	0.576	<0.001	3_CD8.T_{eff}1
FLNA	<0.001	0.802	0.819	0.636	<0.001	3_CD8.T_{eff}1
ADGRG1	<0.001	0.897	0.498	0.065	<0.001	3_CD8.T_{eff}1
GABPB1-AS1	<0.001	-0.698	0.135	0.529	<0.001	3_CD8.T_{eff}1
PSMB8	<0.001	0.666	0.836	0.625	<0.001	3_CD8.T_{eff}1
S100A6	<0.001	0.542	0.975	0.942	<0.001	3_CD8.T_{eff}1
TAP1	<0.001	0.783	0.741	0.453	<0.001	3_CD8.T_{eff}1
SLC38A2	<0.001	-0.668	0.154	0.556	<0.001	3_CD8.T_{eff}1
RAP1B	<0.001	0.639	0.896	0.775	<0.001	3_CD8.T_{eff}1
CLIC3	<0.001	1.097	0.566	0.165	<0.001	3_CD8.T_{eff}1
CX3CR1	<0.001	0.883	0.445	0.045	<0.001	3_CD8.T_{eff}1
ARPC4	<0.001	0.679	0.805	0.580	<0.001	3_CD8.T_{eff}1
HLA-DQB1	<0.001	0.927	0.495	0.098	<0.001	3_CD8.T_{eff}1
CSKMT	<0.001	-0.502	0.025	0.286	<0.001	3_CD8.T_{eff}1
CCL4L2	<0.001	2.188	0.381	0.000	<0.001	3_CD8.T_{eff}1
GBP1	<0.001	0.919	0.587	0.232	<0.001	3_CD8.T_{eff}1
CD53	<0.001	0.604	0.861	0.701	<0.001	3_CD8.T_{eff}1
ITGB2	<0.001	0.563	0.921	0.804	<0.001	3_CD8.T_{eff}1
CD3G	<0.001	0.548	0.935	0.866	<0.001	3_CD8.T_{eff}1
AC004687.1	<0.001	-0.615	0.148	0.531	<0.001	3_CD8.T_{eff}1
CORO1A	<0.001	0.506	0.972	0.938	<0.001	3_CD8.T_{eff}1

LSP1	<0.001	0.569	0.851	0.705	<0.001	3_CD8.T_{eff}1
PSMA7	<0.001	0.566	0.860	0.701	<0.001	3_CD8.T_{eff}1
IFI27	<0.001	1.935	0.372	0.009	<0.001	3_CD8.T_{eff}1
ITGB7	<0.001	0.736	0.640	0.332	<0.001	3_CD8.T_{eff}1
OASL	<0.001	0.775	0.413	0.053	<0.001	3_CD8.T_{eff}1
JUND	<0.001	0.559	0.979	0.957	<0.001	3_CD8.T_{eff}1
ID2	<0.001	0.884	0.723	0.449	<0.001	3_CD8.T_{eff}1
RNF213	<0.001	0.540	0.883	0.772	<0.001	3_CD8.T_{eff}1
RAC2	<0.001	0.502	0.938	0.857	<0.001	3_CD8.T_{eff}1
DUSP2	<0.001	0.873	0.777	0.522	<0.001	3_CD8.T_{eff}1
LAG3	<0.001	0.821	0.534	0.196	<0.001	3_CD8.T_{eff}1
S100A11	<0.001	0.656	0.821	0.649	<0.001	3_CD8.T_{eff}1
CD63	<0.001	0.632	0.750	0.524	<0.001	3_CD8.T_{eff}1
ISG20	<0.001	0.611	0.832	0.676	<0.001	3_CD8.T_{eff}1
APOBEC3G	<0.001	0.632	0.757	0.518	<0.001	3_CD8.T_{eff}1
ILF3-DT	<0.001	-0.579	0.212	0.585	<0.001	3_CD8.T_{eff}1
ATM	<0.001	-0.651	0.370	0.764	<0.001	3_CD8.T_{eff}1
NOSIP	<0.001	-0.699	0.325	0.676	<0.001	3_CD8.T_{eff}1
PPIB	<0.001	0.527	0.853	0.732	<0.001	3_CD8.T_{eff}1
KLRD1	<0.001	0.942	0.654	0.346	<0.001	3_CD8.T_{eff}1
CCDC12	<0.001	0.660	0.614	0.337	<0.001	3_CD8.T_{eff}1
IER2	<0.001	-0.605	0.778	0.944	<0.001	3_CD8.T_{eff}1
PLEK	<0.001	0.636	0.671	0.333	<0.001	3_CD8.T_{eff}1
ABHD17A	<0.001	0.586	0.811	0.678	<0.001	3_CD8.T_{eff}1
PSMB3	<0.001	0.579	0.701	0.511	<0.001	3_CD8.T_{eff}1
TMEM50A	<0.001	0.595	0.691	0.486	<0.001	3_CD8.T_{eff}1
GIMAP7	<0.001	-0.504	0.623	0.915	<0.001	3_CD8.T_{eff}1
HLA-DQA1	<0.001	0.716	0.386	0.060	<0.001	3_CD8.T_{eff}1
SLC9A3R1	<0.001	0.585	0.725	0.486	<0.001	3_CD8.T_{eff}1
IER5	<0.001	-0.521	0.163	0.500	<0.001	3_CD8.T_{eff}1
BRK1	<0.001	0.517	0.741	0.587	<0.001	3_CD8.T_{eff}1
CALR	<0.001	0.637	0.824	0.712	<0.001	3_CD8.T_{eff}1
PATL2	<0.001	0.683	0.477	0.149	<0.001	3_CD8.T_{eff}1
ARPC1B	<0.001	0.504	0.874	0.770	<0.001	3_CD8.T_{eff}1
KRTCAP2	<0.001	0.621	0.591	0.342	<0.001	3_CD8.T_{eff}1
SSBP4	<0.001	0.580	0.669	0.429	<0.001	3_CD8.T_{eff}1

CD8A	<0.001	0.841	0.678	0.520	<0.001	3_CD8.T_{eff}1
CARD16	<0.001	0.629	0.618	0.364	<0.001	3_CD8.T_{eff}1
TLE4	<0.001	-0.517	0.186	0.522	<0.001	3_CD8.T_{eff}1
SERTAD3	<0.001	0.677	0.322	0.033	<0.001	3_CD8.T_{eff}1
ADGRE5	<0.001	0.619	0.623	0.366	<0.001	3_CD8.T_{eff}1
CES1	<0.001	0.718	0.291	0.013	<0.001	3_CD8.T_{eff}1
SNRPB	<0.001	0.521	0.735	0.563	<0.001	3_CD8.T_{eff}1
YWHAQ	<0.001	0.556	0.711	0.554	<0.001	3_CD8.T_{eff}1
IDH2	<0.001	0.636	0.535	0.284	<0.001	3_CD8.T_{eff}1
CIB1	<0.001	0.530	0.770	0.658	<0.001	3_CD8.T_{eff}1
TAGLN2	<0.001	0.582	0.737	0.582	<0.001	3_CD8.T_{eff}1
PPP1R18	<0.001	0.556	0.694	0.491	<0.001	3_CD8.T_{eff}1
CEBPB	<0.001	0.702	0.570	0.351	<0.001	3_CD8.T_{eff}1
INTS6	<0.001	-0.533	0.229	0.563	<0.001	3_CD8.T_{eff}1
TTC38	<0.001	0.662	0.365	0.072	<0.001	3_CD8.T_{eff}1
TENT5C	<0.001	0.644	0.384	0.098	<0.001	3_CD8.T_{eff}1
CTLA4	<0.001	0.687	0.309	0.034	<0.001	3_CD8.T_{eff}1
LDHB	<0.001	-0.511	0.719	0.871	<0.001	3_CD8.T_{eff}1
ABI3	<0.001	0.634	0.467	0.190	<0.001	3_CD8.T_{eff}1
PDIA3	<0.001	0.513	0.744	0.591	<0.001	3_CD8.T_{eff}1
GNG5	<0.001	0.521	0.670	0.480	<0.001	3_CD8.T_{eff}1
TGFB1	<0.001	0.517	0.768	0.654	<0.001	3_CD8.T_{eff}1
S1PR5	<0.001	0.635	0.353	0.071	<0.001	3_CD8.T_{eff}1
POMP	<0.001	0.523	0.672	0.507	<0.001	3_CD8.T_{eff}1
IRF7	<0.001	0.629	0.409	0.136	<0.001	3_CD8.T_{eff}1
CD8B	<0.001	0.813	0.644	0.440	<0.001	3_CD8.T_{eff}1
PARP9	<0.001	0.639	0.400	0.125	<0.001	3_CD8.T_{eff}1
IFI35	<0.001	0.612	0.446	0.178	<0.001	3_CD8.T_{eff}1
GADD45B	<0.001	-0.513	0.256	0.583	<0.001	3_CD8.T_{eff}1
CD38	<0.001	0.646	0.286	0.029	<0.001	3_CD8.T_{eff}1
SELENOK	<0.001	0.514	0.617	0.422	<0.001	3_CD8.T_{eff}1
ATP1B3	<0.001	0.624	0.494	0.266	<0.001	3_CD8.T_{eff}1
RUNX3	<0.001	0.554	0.677	0.509	<0.001	3_CD8.T_{eff}1
IFIT3	<0.001	0.595	0.253	0.011	<0.001	3_CD8.T_{eff}1
TAP2	<0.001	0.561	0.412	0.150	<0.001	3_CD8.T_{eff}1
SCAND1	<0.001	0.525	0.622	0.458	<0.001	3_CD8.T_{eff}1

MX1	<0.001	0.638	0.409	0.152	<0.001	3_CD8.T_{eff}1
HLA-DMA	<0.001	0.634	0.392	0.132	<0.001	3_CD8.T_{eff}1
CYTIP	<0.001	0.534	0.681	0.549	<0.001	3_CD8.T_{eff}1
RBM38	<0.001	0.612	0.500	0.263	<0.001	3_CD8.T_{eff}1
KIF19	<0.001	0.549	0.264	0.027	<0.001	3_CD8.T_{eff}1
JPT1	<0.001	0.509	0.551	0.337	<0.001	3_CD8.T_{eff}1
RAB5IF	<0.001	0.549	0.483	0.259	<0.001	3_CD8.T_{eff}1
CASP1	<0.001	0.574	0.563	0.362	<0.001	3_CD8.T_{eff}1
SYTL3	<0.001	0.551	0.416	0.178	<0.001	3_CD8.T_{eff}1
GBP4	<0.001	0.588	0.457	0.217	<0.001	3_CD8.T_{eff}1
FGR	<0.001	0.534	0.365	0.118	<0.001	3_CD8.T_{eff}1
TUBA4A	<0.001	0.550	0.674	0.540	<0.001	3_CD8.T_{eff}1
TRDC	<0.001	-0.800	0.008	0.127	<0.001	3_CD8.T_{eff}1
BHLHE40	<0.001	0.577	0.338	0.100	<0.001	3_CD8.T_{eff}1
OAS1	<0.001	0.549	0.301	0.067	<0.001	3_CD8.T_{eff}1
HSPA5	<0.001	0.519	0.683	0.547	<0.001	3_CD8.T_{eff}1
DYNLL1	<0.001	0.540	0.644	0.496	<0.001	3_CD8.T_{eff}1
ARF5	<0.001	0.526	0.455	0.245	<0.001	3_CD8.T_{eff}1
MIF	<0.001	0.535	0.517	0.326	<0.001	3_CD8.T_{eff}1
BAX	<0.001	0.556	0.591	0.420	<0.001	3_CD8.T_{eff}1
ATG2A	<0.001	0.598	0.441	0.219	<0.001	3_CD8.T_{eff}1
SP110	<0.001	0.501	0.610	0.453	<0.001	3_CD8.T_{eff}1
GBP5	<0.001	0.561	0.591	0.408	<0.001	3_CD8.T_{eff}1
SSBP3	<0.001	0.575	0.378	0.158	<0.001	3_CD8.T_{eff}1
GNLY	<0.001	1.363	0.425	0.201	<0.001	3_CD8.T_{eff}1
DYNLT1	<0.001	0.504	0.477	0.277	<0.001	3_CD8.T_{eff}1
SH2D2A	<0.001	0.515	0.396	0.181	<0.001	3_CD8.T_{eff}1
ZNF683	<0.001	0.569	0.261	0.051	<0.001	3_CD8.T_{eff}1
DEFA3	<0.001	0.637	0.160	0.000	<0.001	3_CD8.T_{eff}1
MYOM2	<0.001	0.746	0.167	0.005	<0.001	3_CD8.T_{eff}1
PTMS	<0.001	0.546	0.261	0.072	<0.001	3_CD8.T_{eff}1
CCL3	<0.001	0.717	0.174	0.036	<0.001	3_CD8.T_{eff}1
XCL2	<0.001	0.763	0.213	0.069	<0.001	3_CD8.T_{eff}1
TRBC2	<0.001	0.742	0.749	0.841	<0.001	3_CD8.T_{eff}1
GZMH	<0.001	3.162	0.945	0.007	<0.001	4_CD4.T_{CM}
FGFBP2	<0.001	2.944	0.914	0.007	<0.001	4_CD4.T_{CM}

XIST	<0.001	1.813	1.000	0.000	<0.001	4_CD4.T_{CM}
CCL4	<0.001	2.799	0.888	0.010	<0.001	4_CD4.T_{CM}
NKG7	<0.001	3.907	0.959	0.089	<0.001	4_CD4.T_{CM}
CST7	<0.001	2.407	0.975	0.119	<0.001	4_CD4.T_{CM}
IFITM1	<0.001	2.385	0.986	0.193	<0.001	4_CD4.T_{CM}
CCL5	<0.001	2.826	0.971	0.178	<0.001	4_CD4.T_{CM}
HBB	<0.001	1.736	0.793	0.007	<0.001	4_CD4.T_{CM}
GZMA	<0.001	2.389	0.980	0.187	<0.001	4_CD4.T_{CM}
PRF1	<0.001	2.274	0.888	0.098	<0.001	4_CD4.T_{CM}
HBA2	<0.001	2.387	0.718	0.000	<0.001	4_CD4.T_{CM}
RGS1	<0.001	2.082	0.873	0.116	<0.001	4_CD4.T_{CM}
HLA-DPB1	<0.001	1.797	0.935	0.223	<0.001	4_CD4.T_{CM}
HLA-B	<0.001	1.087	1.000	1.000	<0.001	4_CD4.T_{CM}
HLA-C	<0.001	1.381	1.000	0.999	<0.001	4_CD4.T_{CM}
SH3BGRL3	<0.001	1.344	1.000	0.984	<0.001	4_CD4.T_{CM}
HLA-DRB1	<0.001	1.692	0.869	0.151	<0.001	4_CD4.T_{CM}
B2M	<0.001	0.653	1.000	1.000	<0.001	4_CD4.T_{CM}
HLA-DPA1	<0.001	1.759	0.902	0.238	<0.001	4_CD4.T_{CM}
HBA1	<0.001	2.383	0.640	0.001	<0.001	4_CD4.T_{CM}
TPT1	<0.001	-0.770	1.000	0.999	<0.001	4_CD4.T_{CM}
PFN1	<0.001	1.150	1.000	0.983	<0.001	4_CD4.T_{CM}
LTB	<0.001	-1.986	0.162	0.994	<0.001	4_CD4.T_{CM}
EEF1A1	<0.001	-0.680	1.000	1.000	<0.001	4_CD4.T_{CM}
CXCR4	<0.001	1.900	0.961	0.523	<0.001	4_CD4.T_{CM}
SRGN	<0.001	1.450	0.984	0.766	<0.001	4_CD4.T_{CM}
HLA-A	<0.001	0.805	1.000	1.000	<0.001	4_CD4.T_{CM}
FOSB	<0.001	-1.991	0.147	0.948	<0.001	4_CD4.T_{CM}
LY6E	<0.001	1.400	0.975	0.726	<0.001	4_CD4.T_{CM}
ZEB2	<0.001	1.380	0.658	0.043	<0.001	4_CD4.T_{CM}
CTSW	<0.001	1.614	0.873	0.278	<0.001	4_CD4.T_{CM}
IL32	<0.001	0.988	1.000	0.978	<0.001	4_CD4.T_{CM}
HLA-DQA2	<0.001	1.380	0.597	0.016	<0.001	4_CD4.T_{CM}
LAIR2	<0.001	1.380	0.644	0.039	<0.001	4_CD4.T_{CM}
EFHD2	<0.001	1.546	0.830	0.241	<0.001	4_CD4.T_{CM}
CD81	<0.001	1.264	0.941	0.580	<0.001	4_CD4.T_{CM}
RARRES3	<0.001	1.185	0.969	0.743	<0.001	4_CD4.T_{CM}

PLEK	<0.001	1.271	0.669	0.070	<0.001	4_CD4.T_{CM}
PRSS23	<0.001	1.206	0.532	0.001	<0.001	4_CD4.T_{CM}
TSC22D3	<0.001	1.360	0.982	0.815	<0.001	4_CD4.T_{CM}
HLA-E	<0.001	0.812	1.000	0.996	<0.001	4_CD4.T_{CM}
FOS	<0.001	-1.626	0.237	0.930	<0.001	4_CD4.T_{CM}
CD74	<0.001	1.701	0.926	0.594	<0.001	4_CD4.T_{CM}
ARL4C	<0.001	1.219	0.963	0.791	<0.001	4_CD4.T_{CM}
PSMB9	<0.001	1.116	0.957	0.772	<0.001	4_CD4.T_{CM}
TRGC2	<0.001	1.268	0.632	0.083	<0.001	4_CD4.T_{CM}
FCRL6	<0.001	0.979	0.454	0.001	<0.001	4_CD4.T_{CM}
TNFAIP3	<0.001	1.319	0.855	0.385	<0.001	4_CD4.T_{CM}
PSME2	<0.001	1.111	0.924	0.681	<0.001	4_CD4.T_{CM}
TCF7	<0.001	-1.168	0.082	0.796	<0.001	4_CD4.T_{CM}
SPON2	<0.001	1.217	0.528	0.042	<0.001	4_CD4.T_{CM}
LDHB	<0.001	-0.882	0.695	0.978	<0.001	4_CD4.T_{CM}
S100A4	<0.001	0.753	1.000	0.975	<0.001	4_CD4.T_{CM}
PSME1	<0.001	0.859	0.971	0.902	<0.001	4_CD4.T_{CM}
ADGRG1	<0.001	0.968	0.429	0.002	<0.001	4_CD4.T_{CM}
PABPC1	<0.001	-0.836	0.720	0.988	<0.001	4_CD4.T_{CM}
MYL12B	<0.001	0.758	0.975	0.955	<0.001	4_CD4.T_{CM}
METRNL	<0.001	1.064	0.534	0.052	<0.001	4_CD4.T_{CM}
IFI44L	<0.001	1.223	0.583	0.078	<0.001	4_CD4.T_{CM}
CYBA	<0.001	0.852	0.988	0.945	<0.001	4_CD4.T_{CM}
GZMM	<0.001	1.124	0.843	0.454	<0.001	4_CD4.T_{CM}
CX3CR1	<0.001	0.956	0.438	0.010	<0.001	4_CD4.T_{CM}
IFI6	<0.001	1.258	0.738	0.259	<0.001	4_CD4.T_{CM}
ARHGDIB	<0.001	0.756	0.992	0.957	<0.001	4_CD4.T_{CM}
IFITM2	<0.001	1.045	0.922	0.719	<0.001	4_CD4.T_{CM}
GAPDH	<0.001	0.784	0.992	0.971	<0.001	4_CD4.T_{CM}
CD3D	<0.001	0.758	0.986	0.964	<0.001	4_CD4.T_{CM}
ISG15	<0.001	1.212	0.840	0.448	<0.001	4_CD4.T_{CM}
CFL1	<0.001	0.676	0.994	0.989	<0.001	4_CD4.T_{CM}
CALM1	<0.001	0.641	0.992	0.990	<0.001	4_CD4.T_{CM}
RACK1	<0.001	-0.505	0.992	1.000	<0.001	4_CD4.T_{CM}
UBE2L6	<0.001	1.042	0.769	0.331	<0.001	4_CD4.T_{CM}
DDIT4	<0.001	1.199	0.742	0.287	<0.001	4_CD4.T_{CM}

CTSC	<0.001	1.112	0.798	0.412	<0.001	4_CD4.T_{CM}
TYMP	<0.001	1.176	0.748	0.307	<0.001	4_CD4.T_{CM}
CLIC1	<0.001	0.846	0.961	0.806	<0.001	4_CD4.T_{CM}
MYL6	<0.001	0.668	0.992	0.977	<0.001	4_CD4.T_{CM}
CD27	<0.001	-1.040	0.018	0.661	<0.001	4_CD4.T_{CM}
HCST	<0.001	0.922	0.955	0.832	<0.001	4_CD4.T_{CM}
EEF1B2	<0.001	-0.646	0.945	0.995	<0.001	4_CD4.T_{CM}
ZFP36	<0.001	1.249	0.861	0.615	<0.001	4_CD4.T_{CM}
PSMB10	<0.001	1.037	0.644	0.189	<0.001	4_CD4.T_{CM}
RAP1B	<0.001	0.861	0.918	0.766	<0.001	4_CD4.T_{CM}
CHST12	<0.001	1.038	0.697	0.251	<0.001	4_CD4.T_{CM}
RCAN3	<0.001	-0.913	0.043	0.674	<0.001	4_CD4.T_{CM}
HSP90AA1	<0.001	0.721	0.984	0.961	<0.001	4_CD4.T_{CM}
ARPC3	<0.001	0.669	0.975	0.939	<0.001	4_CD4.T_{CM}
ACTB	<0.001	0.638	1.000	1.000	<0.001	4_CD4.T_{CM}
MTRNR2L12	<0.001	-0.901	0.002	0.593	<0.001	4_CD4.T_{CM}
HLA-DRA	<0.001	1.628	0.685	0.272	<0.001	4_CD4.T_{CM}
RNF213	<0.001	0.850	0.918	0.723	<0.001	4_CD4.T_{CM}
OASL	<0.001	0.826	0.415	0.035	<0.001	4_CD4.T_{CM}
EMP3	<0.001	0.713	0.971	0.916	<0.001	4_CD4.T_{CM}
APOBEC3G	<0.001	0.947	0.722	0.338	<0.001	4_CD4.T_{CM}
C1orf21	<0.001	0.719	0.317	0.002	<0.001	4_CD4.T_{CM}
CRIP1	<0.001	1.003	0.757	0.407	<0.001	4_CD4.T_{CM}
C12orf75	<0.001	0.976	0.718	0.316	<0.001	4_CD4.T_{CM}
CD2	<0.001	0.789	0.935	0.834	<0.001	4_CD4.T_{CM}
TAP1	<0.001	0.971	0.781	0.454	<0.001	4_CD4.T_{CM}
CD99	<0.001	0.730	0.937	0.871	<0.001	4_CD4.T_{CM}
NOSIP	<0.001	-0.946	0.301	0.830	<0.001	4_CD4.T_{CM}
ZNF683	<0.001	0.805	0.327	0.007	<0.001	4_CD4.T_{CM}
MYOM2	<0.001	1.119	0.352	0.017	<0.001	4_CD4.T_{CM}
ABHD17A	<0.001	0.867	0.840	0.625	<0.001	4_CD4.T_{CM}
ITGB2	<0.001	0.775	0.922	0.841	<0.001	4_CD4.T_{CM}
BST2	<0.001	0.917	0.787	0.489	<0.001	4_CD4.T_{CM}
TRBC2	<0.001	1.189	0.875	0.832	<0.001	4_CD4.T_{CM}
BTG1	<0.001	0.641	0.990	0.987	<0.001	4_CD4.T_{CM}
LITAF	<0.001	0.939	0.822	0.570	<0.001	4_CD4.T_{CM}

XAF1	<0.001	0.956	0.642	0.235	<0.001	4_CD4.T_{CM}
STAT1	<0.001	0.912	0.775	0.396	<0.001	4_CD4.T_{CM}
UBB	<0.001	0.706	0.947	0.908	<0.001	4_CD4.T_{CM}
AQP3	<0.001	-0.863	0.092	0.653	<0.001	4_CD4.T_{CM}
MAL	<0.001	-0.831	0.010	0.526	<0.001	4_CD4.T_{CM}
IFI27	<0.001	1.794	0.309	0.011	<0.001	4_CD4.T_{CM}
S1PR5	<0.001	0.619	0.280	0.002	<0.001	4_CD4.T_{CM}
MATK	<0.001	0.741	0.393	0.047	<0.001	4_CD4.T_{CM}
IL2RG	<0.001	0.783	0.877	0.720	<0.001	4_CD4.T_{CM}
SRP14	<0.001	0.559	0.965	0.949	<0.001	4_CD4.T_{CM}
LGALS1	<0.001	1.174	0.781	0.407	<0.001	4_CD4.T_{CM}
GZMB	<0.001	1.177	0.303	0.011	<0.001	4_CD4.T_{CM}
IRF9	<0.001	0.931	0.599	0.216	<0.001	4_CD4.T_{CM}
MYL12A	<0.001	0.501	0.996	0.992	<0.001	4_CD4.T_{CM}
FLNA	<0.001	0.855	0.838	0.651	<0.001	4_CD4.T_{CM}
CD320	<0.001	0.912	0.564	0.200	<0.001	4_CD4.T_{CM}
CES1	<0.001	0.771	0.323	0.021	<0.001	4_CD4.T_{CM}
TOMM7	<0.001	-0.507	0.904	0.993	<0.001	4_CD4.T_{CM}
KIF19	<0.001	0.675	0.301	0.014	<0.001	4_CD4.T_{CM}
KLRB1	<0.001	-1.566	0.074	0.573	<0.001	4_CD4.T_{CM}
FCGR3A	<0.001	0.826	0.323	0.024	<0.001	4_CD4.T_{CM}
SELL	<0.001	-0.941	0.049	0.544	<0.001	4_CD4.T_{CM}
CD300A	<0.001	0.814	0.479	0.119	<0.001	4_CD4.T_{CM}
VAMP2	<0.001	0.664	0.892	0.815	<0.001	4_CD4.T_{CM}
ARPC2	<0.001	0.578	0.967	0.946	<0.001	4_CD4.T_{CM}
CEMIP2	<0.001	0.946	0.534	0.175	<0.001	4_CD4.T_{CM}
EPSTI1	<0.001	0.818	0.458	0.107	<0.001	4_CD4.T_{CM}
CORO1A	<0.001	0.588	0.971	0.953	<0.001	4_CD4.T_{CM}
GBP1	<0.001	0.921	0.628	0.275	<0.001	4_CD4.T_{CM}
CD3G	<0.001	0.632	0.947	0.900	<0.001	4_CD4.T_{CM}
CD53	<0.001	0.692	0.865	0.705	<0.001	4_CD4.T_{CM}
PSMB8	<0.001	0.709	0.830	0.662	<0.001	4_CD4.T_{CM}
YWHAQ	<0.001	0.753	0.806	0.602	<0.001	4_CD4.T_{CM}
IRF1	<0.001	0.878	0.851	0.699	<0.001	4_CD4.T_{CM}
HLA-DQA1	<0.001	0.652	0.321	0.032	<0.001	4_CD4.T_{CM}
SLC9A3R1	<0.001	0.783	0.738	0.476	<0.001	4_CD4.T_{CM}

CHCHD2	<0.001	0.570	0.928	0.901	<0.001	4_CD4.T_{CM}
CLEC2B	<0.001	0.858	0.703	0.437	<0.001	4_CD4.T_{CM}
HLA-DQB1	<0.001	0.828	0.401	0.077	<0.001	4_CD4.T_{CM}
SUB1	<0.001	0.572	0.920	0.877	<0.001	4_CD4.T_{CM}
EIF3E	<0.001	-0.552	0.701	0.967	<0.001	4_CD4.T_{CM}
SYTL3	<0.001	0.749	0.411	0.089	<0.001	4_CD4.T_{CM}
LYZ	<0.001	-0.653	0.102	0.609	<0.001	4_CD4.T_{CM}
ASCL2	<0.001	0.569	0.243	0.007	<0.001	4_CD4.T_{CM}
SLAMF7	<0.001	0.531	0.239	0.006	<0.001	4_CD4.T_{CM}
IL7R	<0.001	-0.772	0.691	0.936	<0.001	4_CD4.T_{CM}
DUSP2	<0.001	1.031	0.652	0.330	<0.001	4_CD4.T_{CM}
TRABD2A	<0.001	-0.661	0.010	0.439	<0.001	4_CD4.T_{CM}
ARPC4	<0.001	0.666	0.818	0.657	<0.001	4_CD4.T_{CM}
SSBP4	<0.001	0.733	0.703	0.461	<0.001	4_CD4.T_{CM}
PPIA	<0.001	0.548	0.953	0.916	<0.001	4_CD4.T_{CM}
RAC2	<0.001	0.534	0.945	0.911	<0.001	4_CD4.T_{CM}
ABI3	<0.001	0.671	0.376	0.075	<0.001	4_CD4.T_{CM}
SERINC5	<0.001	-0.665	0.043	0.485	<0.001	4_CD4.T_{CM}
CALR	<0.001	0.771	0.832	0.735	<0.001	4_CD4.T_{CM}
LAG3	<0.001	0.608	0.282	0.028	<0.001	4_CD4.T_{CM}
DDX3Y	<0.001	-0.583	0.006	0.406	<0.001	4_CD4.T_{CM}
PLP2	<0.001	-0.618	0.157	0.638	<0.001	4_CD4.T_{CM}
GUK1	<0.001	0.642	0.826	0.729	<0.001	4_CD4.T_{CM}
SORL1	<0.001	-0.642	0.125	0.595	<0.001	4_CD4.T_{CM}
PPIB	<0.001	0.602	0.871	0.757	<0.001	4_CD4.T_{CM}
TMEM123	<0.001	-0.581	0.342	0.828	<0.001	4_CD4.T_{CM}
GBP5	<0.001	0.775	0.575	0.245	<0.001	4_CD4.T_{CM}
TBX21	<0.001	0.521	0.254	0.020	<0.001	4_CD4.T_{CM}
PATL2	<0.001	0.730	0.362	0.078	<0.001	4_CD4.T_{CM}
TENT5C	<0.001	0.656	0.405	0.102	<0.001	4_CD4.T_{CM}
APMAP	<0.001	0.727	0.483	0.177	<0.001	4_CD4.T_{CM}
IER2	<0.001	-0.706	0.787	0.970	<0.001	4_CD4.T_{CM}
CLIC3	<0.001	0.695	0.307	0.045	<0.001	4_CD4.T_{CM}
PDCD1	<0.001	0.557	0.290	0.037	<0.001	4_CD4.T_{CM}
ITGB7	<0.001	0.719	0.640	0.385	<0.001	4_CD4.T_{CM}
SNHG25	<0.001	-0.519	0.016	0.405	<0.001	4_CD4.T_{CM}

EGR1	<0.001	-0.665	0.006	0.384	<0.001	4_CD4.T_{CM}
TESPA1	<0.001	-0.564	0.049	0.464	<0.001	4_CD4.T_{CM}
HLA-F	<0.001	0.649	0.830	0.721	<0.001	4_CD4.T_{CM}
MYO1F	<0.001	0.706	0.748	0.533	<0.001	4_CD4.T_{CM}
GPR183	<0.001	-0.645	0.074	0.489	<0.001	4_CD4.T_{CM}
DGKA	<0.001	-0.574	0.070	0.488	<0.001	4_CD4.T_{CM}
CD247	<0.001	0.612	0.826	0.689	<0.001	4_CD4.T_{CM}
MYC	<0.001	-0.612	0.014	0.387	<0.001	4_CD4.T_{CM}
INPP4B	<0.001	-0.588	0.082	0.504	<0.001	4_CD4.T_{CM}
CORO1B	<0.001	-0.614	0.141	0.587	<0.001	4_CD4.T_{CM}
LEF1	<0.001	-0.610	0.029	0.408	<0.001	4_CD4.T_{CM}
SLC38A2	<0.001	-0.600	0.127	0.569	<0.001	4_CD4.T_{CM}
TTC38	<0.001	0.511	0.215	0.011	<0.001	4_CD4.T_{CM}
AC007952.4	<0.001	-0.596	0.027	0.403	<0.001	4_CD4.T_{CM}
IL6R	<0.001	-0.540	0.002	0.357	<0.001	4_CD4.T_{CM}
PASK	<0.001	-0.682	0.010	0.371	<0.001	4_CD4.T_{CM}
ID2	<0.001	0.905	0.611	0.329	<0.001	4_CD4.T_{CM}
PPP2R5C	<0.001	0.620	0.867	0.796	<0.001	4_CD4.T_{CM}
ZFAS1	<0.001	-0.552	0.440	0.854	<0.001	4_CD4.T_{CM}
TLE4	<0.001	-0.564	0.141	0.584	<0.001	4_CD4.T_{CM}
GABPB1-AS1	<0.001	-0.646	0.141	0.568	<0.001	4_CD4.T_{CM}
FBXO6	<0.001	0.554	0.278	0.041	<0.001	4_CD4.T_{CM}
C1orf162	<0.001	-0.629	0.025	0.394	<0.001	4_CD4.T_{CM}
PPP1CA	<0.001	0.590	0.816	0.736	<0.001	4_CD4.T_{CM}
RUNX3	<0.001	0.751	0.575	0.314	<0.001	4_CD4.T_{CM}
STT3B	<0.001	-0.516	0.119	0.547	<0.001	4_CD4.T_{CM}
XCL2	<0.001	0.565	0.188	0.006	<0.001	4_CD4.T_{CM}
CD38	<0.001	0.500	0.209	0.013	<0.001	4_CD4.T_{CM}
MAP3K8	<0.001	0.570	0.245	0.029	<0.001	4_CD4.T_{CM}
LSP1	<0.001	0.593	0.812	0.725	<0.001	4_CD4.T_{CM}
TTC39C	<0.001	-0.547	0.155	0.588	<0.001	4_CD4.T_{CM}
IDH2	<0.001	0.659	0.519	0.255	<0.001	4_CD4.T_{CM}
DEFA3	<0.001	0.911	0.162	0.000	<0.001	4_CD4.T_{CM}
DBI	<0.001	0.629	0.740	0.624	<0.001	4_CD4.T_{CM}
CYTOR	<0.001	0.633	0.536	0.234	<0.001	4_CD4.T_{CM}
FOXP1	<0.001	-0.595	0.292	0.731	<0.001	4_CD4.T_{CM}

ARPC1B	<0.001	0.548	0.890	0.842	<0.001	4_CD4.T_{CM}
SERTAD3	<0.001	0.549	0.260	0.039	<0.001	4_CD4.T_{CM}
CCR7	<0.001	-0.536	0.002	0.326	<0.001	4_CD4.T_{CM}
ANXA1	<0.001	0.502	0.945	0.834	<0.001	4_CD4.T_{CM}
INTS6	<0.001	-0.604	0.207	0.638	<0.001	4_CD4.T_{CM}
ETS1	<0.001	-0.529	0.380	0.809	<0.001	4_CD4.T_{CM}
CYLD	<0.001	-0.534	0.297	0.729	<0.001	4_CD4.T_{CM}
CD63	<0.001	0.659	0.646	0.436	<0.001	4_CD4.T_{CM}
TGFB1	<0.001	0.595	0.787	0.681	<0.001	4_CD4.T_{CM}
ADGRE5	<0.001	0.713	0.601	0.382	<0.001	4_CD4.T_{CM}
SLFN5	<0.001	-0.523	0.211	0.630	<0.001	4_CD4.T_{CM}
SELENOW	<0.001	0.585	0.726	0.594	<0.001	4_CD4.T_{CM}
HNRNPDL	<0.001	0.505	0.851	0.845	<0.001	4_CD4.T_{CM}
OAS1	<0.001	0.565	0.337	0.093	<0.001	4_CD4.T_{CM}
GIMAP1	<0.001	-0.508	0.268	0.690	<0.001	4_CD4.T_{CM}
CCDC12	<0.001	0.605	0.575	0.366	<0.001	4_CD4.T_{CM}
PLEKHF1	<0.001	0.627	0.327	0.091	<0.001	4_CD4.T_{CM}
S100A11	<0.001	0.506	0.898	0.834	<0.001	4_CD4.T_{CM}
CYCS	<0.001	0.542	0.714	0.555	<0.001	4_CD4.T_{CM}
PSMB3	<0.001	0.537	0.699	0.572	<0.001	4_CD4.T_{CM}
ILF3-DT	<0.001	-0.529	0.192	0.590	<0.001	4_CD4.T_{CM}
PSMA7	<0.001	0.505	0.840	0.794	<0.001	4_CD4.T_{CM}
CEBPB	<0.001	0.735	0.554	0.346	<0.001	4_CD4.T_{CM}
IFI35	<0.001	0.627	0.419	0.176	<0.001	4_CD4.T_{CM}
BHLHE40	<0.001	0.597	0.358	0.119	<0.001	4_CD4.T_{CM}
ARF5	<0.001	0.614	0.479	0.252	<0.001	4_CD4.T_{CM}
KLRG1	<0.001	0.682	0.528	0.278	<0.001	4_CD4.T_{CM}
LPAR6	<0.001	-0.524	0.049	0.364	<0.001	4_CD4.T_{CM}
MSN	<0.001	0.586	0.744	0.654	<0.001	4_CD4.T_{CM}
PDIA3	<0.001	0.592	0.722	0.650	<0.001	4_CD4.T_{CM}
CIB1	<0.001	0.541	0.789	0.723	<0.001	4_CD4.T_{CM}
CCND3	<0.001	0.537	0.773	0.670	<0.001	4_CD4.T_{CM}
HCLS1	<0.001	0.547	0.710	0.593	<0.001	4_CD4.T_{CM}
IFIT3	<0.001	0.529	0.217	0.034	<0.001	4_CD4.T_{CM}
CD7	<0.001	-0.504	0.194	0.574	<0.001	4_CD4.T_{CM}
PPP1R18	<0.001	0.567	0.654	0.515	<0.001	4_CD4.T_{CM}

GNG5	<0.001	0.534	0.683	0.553	<0.001	4_CD4.T_{CM}
GBP4	<0.001	0.659	0.479	0.255	<0.001	4_CD4.T_{CM}
TMEM50A	<0.001	0.513	0.669	0.551	<0.001	4_CD4.T_{CM}
TPST2	<0.001	0.576	0.395	0.168	<0.001	4_CD4.T_{CM}
GNLY	<0.001	1.637	0.266	0.068	<0.001	4_CD4.T_{CM}
SP110	<0.001	0.606	0.618	0.448	<0.001	4_CD4.T_{CM}
PARP9	<0.001	0.586	0.376	0.151	<0.001	4_CD4.T_{CM}
PDE4B	<0.001	0.648	0.391	0.170	<0.001	4_CD4.T_{CM}
CYTIP	<0.001	0.546	0.695	0.586	<0.001	4_CD4.T_{CM}
HSPA5	<0.001	0.601	0.681	0.575	<0.001	4_CD4.T_{CM}
ARPC5L	<0.001	0.575	0.552	0.372	<0.001	4_CD4.T_{CM}
KRTCAP2	<0.001	0.570	0.566	0.409	<0.001	4_CD4.T_{CM}
MRPL10	<0.001	0.560	0.339	0.130	<0.001	4_CD4.T_{CM}
BTN3A2	<0.001	0.528	0.683	0.539	<0.001	4_CD4.T_{CM}
PRR13	<0.001	0.504	0.722	0.643	<0.001	4_CD4.T_{CM}
SSBP3	<0.001	0.555	0.391	0.172	<0.001	4_CD4.T_{CM}
LYAR	<0.001	0.540	0.554	0.311	<0.001	4_CD4.T_{CM}
BPGM	<0.001	0.521	0.276	0.085	<0.001	4_CD4.T_{CM}
ATP1B3	<0.001	0.576	0.454	0.258	<0.001	4_CD4.T_{CM}
CASP1	<0.001	0.600	0.519	0.347	<0.001	4_CD4.T_{CM}
TAP2	<0.001	0.524	0.356	0.151	<0.001	4_CD4.T_{CM}
PAXX	<0.001	0.522	0.605	0.465	<0.001	4_CD4.T_{CM}
ACTN4	<0.001	0.538	0.550	0.380	<0.001	4_CD4.T_{CM}
MIAT	<0.001	0.545	0.450	0.241	<0.001	4_CD4.T_{CM}
SAMSN1	<0.001	0.580	0.458	0.279	<0.001	4_CD4.T_{CM}
HOPX	<0.001	0.554	0.503	0.275	<0.001	4_CD4.T_{CM}
CTSD	<0.001	0.517	0.540	0.380	<0.001	4_CD4.T_{CM}
TUBA4A	<0.001	0.532	0.669	0.588	<0.001	4_CD4.T_{CM}
IRF7	<0.001	0.543	0.354	0.166	<0.001	4_CD4.T_{CM}
CARD16	<0.001	0.553	0.564	0.433	<0.001	4_CD4.T_{CM}
STOM	<0.001	0.550	0.417	0.234	<0.001	4_CD4.T_{CM}
AC020916.1	<0.001	0.505	0.229	0.066	<0.001	4_CD4.T_{CM}
MX1	<0.001	0.542	0.380	0.198	<0.001	4_CD4.T_{CM}
NAPA	<0.001	0.513	0.389	0.216	<0.001	4_CD4.T_{CM}
RAB5IF	<0.001	0.528	0.458	0.307	<0.001	4_CD4.T_{CM}
RBM38	<0.001	0.517	0.458	0.302	<0.001	4_CD4.T_{CM}

DYNLT1	<0.001	0.518	0.434	0.272	<0.001	4_CD4.T_{CM}
EIF2AK2	<0.001	0.535	0.438	0.278	<0.001	4_CD4.T_{CM}
CDK2AP2	<0.001	0.507	0.483	0.336	<0.001	4_CD4.T_{CM}
NFKBIA	<0.001	0.577	0.667	0.613	<0.001	4_CD4.T_{CM}
PTPN7	<0.001	0.510	0.515	0.390	<0.001	4_CD4.T_{CM}
KLF3	<0.001	0.528	0.491	0.364	<0.001	4_CD4.T_{CM}
SOCS1	<0.001	0.552	0.372	0.234	<0.001	4_CD4.T_{CM}
TRBC1	<0.001	0.545	0.773	0.602	<0.001	4_CD4.T_{CM}
XIST	<0.001	1.993	1.000	0.000	<0.001	5_CD8.T_{nai}
GZMH	<0.001	2.990	0.976	0.008	<0.001	5_CD8.T_{nai}
CST7	<0.001	2.819	0.968	0.028	<0.001	5_CD8.T_{nai}
CCL5	<0.001	3.531	1.000	0.057	<0.001	5_CD8.T_{nai}
FGFBP2	<0.001	2.893	0.935	0.021	<0.001	5_CD8.T_{nai}
CCL4	<0.001	2.572	0.903	0.005	<0.001	5_CD8.T_{nai}
NKG7	<0.001	4.195	1.000	0.093	<0.001	5_CD8.T_{nai}
GZMA	<0.001	2.821	0.927	0.051	<0.001	5_CD8.T_{nai}
GZMB	<0.001	2.386	0.847	0.018	<0.001	5_CD8.T_{nai}
KLRD1	<0.001	2.182	0.815	0.013	<0.001	5_CD8.T_{nai}
PRF1	<0.001	2.422	0.895	0.069	<0.001	5_CD8.T_{nai}
HBB	<0.001	1.935	0.758	0.000	<0.001	5_CD8.T_{nai}
IFITM1	<0.001	2.381	0.944	0.134	<0.001	5_CD8.T_{nai}
SH3BGRL3	<0.001	1.780	1.000	0.951	<0.001	5_CD8.T_{nai}
B2M	<0.001	0.931	1.000	1.000	<0.001	5_CD8.T_{nai}
TPT1	<0.001	-0.875	1.000	1.000	<0.001	5_CD8.T_{nai}
ZEB2	<0.001	1.540	0.677	0.028	<0.001	5_CD8.T_{nai}
PRSS23	<0.001	1.475	0.621	0.008	<0.001	5_CD8.T_{nai}
LAIR2	<0.001	1.536	0.597	0.000	<0.001	5_CD8.T_{nai}
EEF1A1	<0.001	-0.721	1.000	1.000	<0.001	5_CD8.T_{nai}
FCGR3A	<0.001	1.598	0.645	0.021	<0.001	5_CD8.T_{nai}
S100A4	<0.001	1.983	0.992	0.725	<0.001	5_CD8.T_{nai}
LTB	<0.001	-2.032	0.048	0.967	<0.001	5_CD8.T_{nai}
HBA2	<0.001	1.665	0.573	0.000	<0.001	5_CD8.T_{nai}
EFHD2	<0.001	1.637	0.774	0.113	<0.001	5_CD8.T_{nai}
HLA-C	<0.001	1.406	0.992	1.000	<0.001	5_CD8.T_{nai}
SRGN	<0.001	1.846	0.944	0.463	<0.001	5_CD8.T_{nai}
PLEK	<0.001	1.430	0.637	0.031	<0.001	5_CD8.T_{nai}

HLA-DQA2	<0.001	1.285	0.548	0.000	<0.001	5_CD8.T_{nai}
PFN1	<0.001	1.416	0.992	0.964	<0.001	5_CD8.T_{nai}
FOSB	<0.001	-2.013	0.105	0.959	<0.001	5_CD8.T_{nai}
CLIC1	<0.001	1.789	0.911	0.362	<0.001	5_CD8.T_{nai}
HLA-B	<0.001	1.139	0.976	1.000	<0.001	5_CD8.T_{nai}
HBA1	<0.001	1.825	0.532	0.000	<0.001	5_CD8.T_{nai}
HLA-A	<0.001	0.968	0.992	1.000	<0.001	5_CD8.T_{nai}
HLA-DPB1	<0.001	1.601	0.879	0.314	<0.001	5_CD8.T_{nai}
TCF7	<0.001	-1.489	0.048	0.925	<0.001	5_CD8.T_{nai}
IL32	<0.001	1.477	0.968	0.943	<0.001	5_CD8.T_{nai}
FOS	<0.001	-1.854	0.161	0.967	<0.001	5_CD8.T_{nai}
HLA-DRB1	<0.001	1.598	0.685	0.082	<0.001	5_CD8.T_{nai}
HLA-DPA1	<0.001	1.683	0.806	0.208	<0.001	5_CD8.T_{nai}
EEF1B2	<0.001	-0.921	0.903	1.000	<0.001	5_CD8.T_{nai}
SPON2	<0.001	1.406	0.605	0.046	<0.001	5_CD8.T_{nai}
ARL4C	<0.001	1.636	0.944	0.650	<0.001	5_CD8.T_{nai}
LAG3	<0.001	1.150	0.524	0.013	<0.001	5_CD8.T_{nai}
EMP3	<0.001	1.321	0.952	0.710	<0.001	5_CD8.T_{nai}
CD81	<0.001	1.375	0.911	0.470	<0.001	5_CD8.T_{nai}
LY6E	<0.001	1.694	0.927	0.589	<0.001	5_CD8.T_{nai}
LDHB	<0.001	-1.069	0.581	0.995	<0.001	5_CD8.T_{nai}
CD99	<0.001	1.498	0.903	0.501	<0.001	5_CD8.T_{nai}
S100A11	<0.001	1.534	0.815	0.265	<0.001	5_CD8.T_{nai}
CTSW	<0.001	1.534	0.927	0.653	<0.001	5_CD8.T_{nai}
PABPC1	<0.001	-1.078	0.645	1.000	<0.001	5_CD8.T_{nai}
TNFAIP3	<0.001	1.596	0.766	0.195	<0.001	5_CD8.T_{nai}
CYBA	<0.001	1.190	0.960	0.877	<0.001	5_CD8.T_{nai}
ACTB	<0.001	0.880	0.992	1.000	<0.001	5_CD8.T_{nai}
LGALS1	<0.001	1.822	0.669	0.123	<0.001	5_CD8.T_{nai}
C12orf75	<0.001	1.421	0.726	0.185	<0.001	5_CD8.T_{nai}
TMSB4X	<0.001	0.522	1.000	1.000	<0.001	5_CD8.T_{nai}
METRNL	<0.001	1.092	0.452	0.010	<0.001	5_CD8.T_{nai}
CCR7	<0.001	-1.232	0.000	0.766	<0.001	5_CD8.T_{nai}
HLA-E	<0.001	0.911	0.968	0.997	<0.001	5_CD8.T_{nai}
RARRES3	<0.001	1.209	0.903	0.704	<0.001	5_CD8.T_{nai}
CD27	<0.001	-1.092	0.056	0.833	<0.001	5_CD8.T_{nai}

IFITM2	<0.001	1.258	0.919	0.650	<0.001	5_CD8.T_{nai}
RGS1	<0.001	1.325	0.468	0.023	<0.001	5_CD8.T_{nai}
CXCR4	<0.001	1.587	0.879	0.668	<0.001	5_CD8.T_{nai}
SELL	<0.001	-1.201	0.056	0.810	<0.001	5_CD8.T_{nai}
MYO1F	<0.001	1.185	0.573	0.077	<0.001	5_CD8.T_{nai}
ADGRG1	<0.001	1.093	0.411	0.005	<0.001	5_CD8.T_{nai}
IL7R	<0.001	-1.364	0.113	0.877	<0.001	5_CD8.T_{nai}
PSME1	<0.001	1.111	0.935	0.841	<0.001	5_CD8.T_{nai}
S100A6	<0.001	1.051	0.968	0.923	<0.001	5_CD8.T_{nai}
IFI44L	<0.001	1.092	0.484	0.036	<0.001	5_CD8.T_{nai}
FCRL6	<0.001	0.886	0.379	0.000	<0.001	5_CD8.T_{nai}
HCST	<0.001	0.950	0.944	0.946	<0.001	5_CD8.T_{nai}
TSC22D3	<0.001	1.401	0.911	0.820	<0.001	5_CD8.T_{nai}
NOSIP	<0.001	-1.109	0.258	0.923	<0.001	5_CD8.T_{nai}
RACK1	<0.001	-0.535	0.952	1.000	<0.001	5_CD8.T_{nai}
CALM1	<0.001	0.960	0.944	0.987	<0.001	5_CD8.T_{nai}
EIF3E	<0.001	-0.877	0.573	0.997	<0.001	5_CD8.T_{nai}
GNLY	<0.001	2.273	0.540	0.077	<0.001	5_CD8.T_{nai}
ITGB1	<0.001	1.339	0.669	0.175	<0.001	5_CD8.T_{nai}
GAPDH	<0.001	1.085	0.944	0.877	<0.001	5_CD8.T_{nai}
MYL6	<0.001	0.813	0.952	0.967	<0.001	5_CD8.T_{nai}
MYL12B	<0.001	0.944	0.903	0.913	<0.001	5_CD8.T_{nai}
RGS10	<0.001	-0.936	0.234	0.910	<0.001	5_CD8.T_{nai}
TRABD2A	<0.001	-0.996	0.040	0.740	<0.001	5_CD8.T_{nai}
ANXA1	<0.001	1.243	0.726	0.234	<0.001	5_CD8.T_{nai}
S1PR5	<0.001	0.796	0.347	0.000	<0.001	5_CD8.T_{nai}
RCAN3	<0.001	-1.024	0.000	0.676	<0.001	5_CD8.T_{nai}
CD3D	<0.001	0.828	0.968	0.979	<0.001	5_CD8.T_{nai}
CYTOR	<0.001	0.909	0.395	0.015	<0.001	5_CD8.T_{nai}
AIF1	<0.001	-1.086	0.016	0.699	<0.001	5_CD8.T_{nai}
PSME2	<0.001	1.212	0.863	0.607	<0.001	5_CD8.T_{nai}
IFI27	<0.001	1.843	0.339	0.000	<0.001	5_CD8.T_{nai}
SLAMF7	<0.001	0.749	0.339	0.000	<0.001	5_CD8.T_{nai}
LEF1	<0.001	-0.983	0.032	0.707	<0.001	5_CD8.T_{nai}
CCL4L2	<0.001	0.932	0.331	0.000	<0.001	5_CD8.T_{nai}
APOBEC3G	<0.001	1.162	0.613	0.159	<0.001	5_CD8.T_{nai}

HOPX	<0.001	1.058	0.435	0.036	<0.001	5_CD8.T_{nai}
MYL12A	<0.001	0.723	0.968	0.997	<0.001	5_CD8.T_{nai}
CES1	<0.001	0.857	0.347	0.005	<0.001	5_CD8.T_{nai}
CFL1	<0.001	0.831	0.952	0.969	<0.001	5_CD8.T_{nai}
NPM1	<0.001	-0.687	0.798	1.000	<0.001	5_CD8.T_{nai}
ZNF683	<0.001	0.914	0.331	0.003	<0.001	5_CD8.T_{nai}
UBB	<0.001	0.794	0.935	0.887	<0.001	5_CD8.T_{nai}
CX3CR1	<0.001	0.880	0.323	0.003	<0.001	5_CD8.T_{nai}
RNF213	<0.001	1.065	0.871	0.702	<0.001	5_CD8.T_{nai}
ARHGDIB	<0.001	0.826	0.944	0.959	<0.001	5_CD8.T_{nai}
HSP90AA1	<0.001	0.829	0.960	0.928	<0.001	5_CD8.T_{nai}
XAF1	<0.001	1.257	0.613	0.167	<0.001	5_CD8.T_{nai}
DDIT4	<0.001	1.368	0.702	0.283	<0.001	5_CD8.T_{nai}
PSMB9	<0.001	1.208	0.823	0.635	<0.001	5_CD8.T_{nai}
ACTN1	<0.001	-0.939	0.000	0.614	<0.001	5_CD8.T_{nai}
C1orf21	<0.001	0.742	0.315	0.005	<0.001	5_CD8.T_{nai}
TTC38	<0.001	0.854	0.339	0.013	<0.001	5_CD8.T_{nai}
CTSC	<0.001	1.207	0.645	0.231	<0.001	5_CD8.T_{nai}
CD74	<0.001	1.501	0.766	0.458	<0.001	5_CD8.T_{nai}
FLNA	<0.001	1.271	0.742	0.401	<0.001	5_CD8.T_{nai}
MTRNR2L12	<0.001	-0.869	0.000	0.596	<0.001	5_CD8.T_{nai}
GBP5	<0.001	0.953	0.500	0.098	<0.001	5_CD8.T_{nai}
MATK	<0.001	1.005	0.435	0.057	<0.001	5_CD8.T_{nai}
CD2	<0.001	1.148	0.831	0.617	<0.001	5_CD8.T_{nai}
PPP2R5C	<0.001	1.095	0.815	0.573	<0.001	5_CD8.T_{nai}
EPSTI1	<0.001	0.868	0.387	0.036	<0.001	5_CD8.T_{nai}
ARPC2	<0.001	0.865	0.927	0.928	<0.001	5_CD8.T_{nai}
NELL2	<0.001	-0.873	0.008	0.594	<0.001	5_CD8.T_{nai}
ABHD17A	<0.001	1.069	0.790	0.571	<0.001	5_CD8.T_{nai}
CD52	<0.001	0.692	0.944	0.992	<0.001	5_CD8.T_{nai}
CORO1A	<0.001	0.696	0.952	0.972	<0.001	5_CD8.T_{nai}
UBE2L6	<0.001	1.172	0.645	0.257	<0.001	5_CD8.T_{nai}
ARPC3	<0.001	0.780	0.903	0.920	<0.001	5_CD8.T_{nai}
CLIC3	<0.001	1.212	0.403	0.049	<0.001	5_CD8.T_{nai}
CRIP1	<0.001	1.068	0.548	0.152	<0.001	5_CD8.T_{nai}
IFI6	<0.001	1.219	0.669	0.319	<0.001	5_CD8.T_{nai}

LDLRAP1	<0.001	-0.753	0.032	0.622	<0.001	5_CD8.T_{nai}
TRBC1	<0.001	1.382	0.839	0.591	<0.001	5_CD8.T_{nai}
TENT5C	<0.001	0.770	0.306	0.013	<0.001	5_CD8.T_{nai}
TMEM123	<0.001	-0.726	0.202	0.828	<0.001	5_CD8.T_{nai}
PRDM1	<0.001	0.803	0.290	0.010	<0.001	5_CD8.T_{nai}
ZFAS1	<0.001	-0.736	0.403	0.910	<0.001	5_CD8.T_{nai}
IRF1	<0.001	1.194	0.782	0.560	<0.001	5_CD8.T_{nai}
GABPB1-AS1	<0.001	-0.862	0.129	0.728	<0.001	5_CD8.T_{nai}
OASL	<0.001	0.737	0.258	0.003	<0.001	5_CD8.T_{nai}
PASK	<0.001	-0.872	0.000	0.535	<0.001	5_CD8.T_{nai}
MAL	<0.001	-0.824	0.000	0.532	<0.001	5_CD8.T_{nai}
DEFA3	<0.001	0.572	0.242	0.000	<0.001	5_CD8.T_{nai}
FOXP1	<0.001	-0.725	0.266	0.884	<0.001	5_CD8.T_{nai}
PPIB	<0.001	0.902	0.806	0.630	<0.001	5_CD8.T_{nai}
STOM	<0.001	0.815	0.363	0.044	<0.001	5_CD8.T_{nai}
TYMP	<0.001	1.061	0.500	0.134	<0.001	5_CD8.T_{nai}
NEAT1	<0.001	0.957	0.919	0.825	<0.001	5_CD8.T_{nai}
JUND	<0.001	0.691	0.960	0.967	<0.001	5_CD8.T_{nai}
SATB1	<0.001	-0.734	0.073	0.625	<0.001	5_CD8.T_{nai}
NDFIP1	<0.001	-0.719	0.210	0.797	<0.001	5_CD8.T_{nai}
C6orf48	<0.001	-0.635	0.169	0.751	<0.001	5_CD8.T_{nai}
CHST12	<0.001	1.057	0.548	0.185	<0.001	5_CD8.T_{nai}
CLEC2B	<0.001	1.072	0.669	0.355	<0.001	5_CD8.T_{nai}
KIF19	<0.001	0.569	0.226	0.000	<0.001	5_CD8.T_{nai}
SSBP4	<0.001	1.052	0.597	0.252	<0.001	5_CD8.T_{nai}
BST2	<0.001	0.970	0.710	0.437	<0.001	5_CD8.T_{nai}
CD160	<0.001	0.595	0.234	0.003	<0.001	5_CD8.T_{nai}
OAZ1	<0.001	0.589	0.935	0.946	<0.001	5_CD8.T_{nai}
PSMB10	<0.001	0.907	0.468	0.121	<0.001	5_CD8.T_{nai}
CD53	<0.001	0.962	0.766	0.573	<0.001	5_CD8.T_{nai}
SLC38A2	<0.001	-0.761	0.065	0.594	<0.001	5_CD8.T_{nai}
PYHIN1	<0.001	0.699	0.347	0.044	<0.001	5_CD8.T_{nai}
SNHG25	<0.001	-0.687	0.016	0.522	<0.001	5_CD8.T_{nai}
ILF3-DT	<0.001	-0.730	0.185	0.753	<0.001	5_CD8.T_{nai}
SARAF	<0.001	-0.593	0.661	0.990	<0.001	5_CD8.T_{nai}
SERINC5	<0.001	-0.672	0.040	0.555	<0.001	5_CD8.T_{nai}

TXN	<0.001	0.932	0.540	0.201	<0.001	5_CD8.T_{nai}
CD63	<0.001	0.902	0.637	0.332	<0.001	5_CD8.T_{nai}
CD8A	<0.001	0.949	0.823	0.807	<0.001	5_CD8.T_{nai}
TXK	<0.001	-0.574	0.024	0.524	<0.001	5_CD8.T_{nai}
TRGC2	<0.001	0.918	0.403	0.080	<0.001	5_CD8.T_{nai}
ZFP36	<0.001	1.110	0.782	0.650	<0.001	5_CD8.T_{nai}
ANXA2	<0.001	0.750	0.395	0.075	<0.001	5_CD8.T_{nai}
LITAF	<0.001	0.847	0.790	0.697	<0.001	5_CD8.T_{nai}
FTH1	<0.001	0.568	0.968	0.997	<0.001	5_CD8.T_{nai}
OXNAD1	<0.001	-0.654	0.065	0.586	<0.001	5_CD8.T_{nai}
PTMS	<0.001	0.678	0.226	0.005	<0.001	5_CD8.T_{nai}
MYC	<0.001	-0.702	0.000	0.465	<0.001	5_CD8.T_{nai}
GUK1	<0.001	0.856	0.798	0.661	<0.001	5_CD8.T_{nai}
FGR	<0.001	0.654	0.323	0.044	<0.001	5_CD8.T_{nai}
TAGLN2	<0.001	0.926	0.677	0.422	<0.001	5_CD8.T_{nai}
PATL2	<0.001	0.900	0.411	0.095	<0.001	5_CD8.T_{nai}
NUCB2	<0.001	-0.607	0.153	0.712	<0.001	5_CD8.T_{nai}
S100A10	<0.001	0.903	0.831	0.784	<0.001	5_CD8.T_{nai}
ITGB2	<0.001	0.873	0.790	0.720	<0.001	5_CD8.T_{nai}
ACTN4	<0.001	0.888	0.435	0.113	<0.001	5_CD8.T_{nai}
SRP14	<0.001	0.590	0.911	0.936	<0.001	5_CD8.T_{nai}
PTPRC	<0.001	0.619	0.927	0.959	<0.001	5_CD8.T_{nai}
ARPC1B	<0.001	0.773	0.831	0.733	<0.001	5_CD8.T_{nai}
CD3G	<0.001	0.598	0.919	0.938	<0.001	5_CD8.T_{nai}
UBC	<0.001	0.592	0.895	0.974	<0.001	5_CD8.T_{nai}
RAC2	<0.001	0.689	0.887	0.895	<0.001	5_CD8.T_{nai}
CEMIP2	<0.001	0.935	0.460	0.139	<0.001	5_CD8.T_{nai}
CHCHD2	<0.001	0.690	0.831	0.833	<0.001	5_CD8.T_{nai}
ACTG1	<0.001	0.582	0.984	0.997	<0.001	5_CD8.T_{nai}
APBA2	<0.001	-0.634	0.048	0.519	<0.001	5_CD8.T_{nai}
CCDC12	<0.001	0.816	0.605	0.326	<0.001	5_CD8.T_{nai}
FAM129A	<0.001	0.755	0.274	0.028	<0.001	5_CD8.T_{nai}
SYTL3	<0.001	0.734	0.347	0.064	<0.001	5_CD8.T_{nai}
SERF2	<0.001	0.522	0.935	0.982	<0.001	5_CD8.T_{nai}
PRKCA	<0.001	-0.601	0.008	0.440	<0.001	5_CD8.T_{nai}
DUSP2	<0.001	1.073	0.653	0.388	<0.001	5_CD8.T_{nai}

PDE3B	<0.001	-0.515	0.056	0.535	<0.001	5_CD8.T_{nai}
RUNX3	<0.001	0.923	0.637	0.362	<0.001	5_CD8.T_{nai}
SNHG8	<0.001	-0.613	0.395	0.866	<0.001	5_CD8.T_{nai}
GBP1	<0.001	1.008	0.500	0.190	<0.001	5_CD8.T_{nai}
EGR1	<0.001	-0.751	0.000	0.419	<0.001	5_CD8.T_{nai}
TSTD1	<0.001	-0.600	0.145	0.653	<0.001	5_CD8.T_{nai}
GAB3	<0.001	0.667	0.274	0.031	<0.001	5_CD8.T_{nai}
LYZ	<0.001	-0.597	0.089	0.576	<0.001	5_CD8.T_{nai}
GZMM	<0.001	0.840	0.766	0.725	<0.001	5_CD8.T_{nai}
ARPC4	<0.001	0.828	0.710	0.527	<0.001	5_CD8.T_{nai}
HLA-DQA1	<0.001	0.575	0.250	0.023	<0.001	5_CD8.T_{nai}
PSMB8	<0.001	0.813	0.734	0.607	<0.001	5_CD8.T_{nai}
DDX3Y	<0.001	-0.576	0.000	0.406	<0.001	5_CD8.T_{nai}
TGFB1	<0.001	0.835	0.669	0.460	<0.001	5_CD8.T_{nai}
AHNAK	<0.001	0.845	0.435	0.131	<0.001	5_CD8.T_{nai}
PSMA7	<0.001	0.810	0.774	0.699	<0.001	5_CD8.T_{nai}
ISG15	<0.001	1.017	0.621	0.380	<0.001	5_CD8.T_{nai}
PLEKHF1	<0.001	0.564	0.274	0.036	<0.001	5_CD8.T_{nai}
ABI3	<0.001	0.744	0.395	0.105	<0.001	5_CD8.T_{nai}
BCL11B	<0.001	-0.604	0.250	0.748	<0.001	5_CD8.T_{nai}
TAP1	<0.001	0.911	0.589	0.329	<0.001	5_CD8.T_{nai}
SLC9A3R1	<0.001	0.839	0.605	0.360	<0.001	5_CD8.T_{nai}
ADAM8	<0.001	0.671	0.298	0.049	<0.001	5_CD8.T_{nai}
BHLHE40	<0.001	0.642	0.266	0.033	<0.001	5_CD8.T_{nai}
CALR	<0.001	0.887	0.750	0.640	<0.001	5_CD8.T_{nai}
IL2RG	<0.001	0.870	0.718	0.568	<0.001	5_CD8.T_{nai}
BATF	<0.001	0.722	0.387	0.105	<0.001	5_CD8.T_{nai}
LYAR	<0.001	0.974	0.484	0.193	<0.001	5_CD8.T_{nai}
C1orf162	<0.001	-0.618	0.024	0.429	<0.001	5_CD8.T_{nai}
IER2	<0.001	-0.639	0.694	0.961	<0.001	5_CD8.T_{nai}
DBI	<0.001	0.865	0.694	0.542	<0.001	5_CD8.T_{nai}
PLA2G16	<0.001	0.648	0.339	0.075	<0.001	5_CD8.T_{nai}
SUB1	<0.001	0.745	0.815	0.810	<0.001	5_CD8.T_{nai}
XCL2	<0.001	0.511	0.169	0.003	<0.001	5_CD8.T_{nai}
ARL6IP5	<0.001	0.771	0.750	0.645	<0.001	5_CD8.T_{nai}
SYNE2	<0.001	0.998	0.589	0.321	<0.001	5_CD8.T_{nai}

B4GALT5	<0.001	0.596	0.218	0.018	<0.001	5_CD8.T_{nai}
ATM	<0.001	-0.551	0.411	0.882	<0.001	5_CD8.T_{nai}
YWHAB	<0.001	0.682	0.839	0.784	<0.001	5_CD8.T_{nai}
SPINT2	<0.001	-0.514	0.008	0.388	<0.001	5_CD8.T_{nai}
DAZAP2	<0.001	0.697	0.758	0.612	<0.001	5_CD8.T_{nai}
DOK2	<0.001	0.912	0.452	0.167	<0.001	5_CD8.T_{nai}
TLE4	<0.001	-0.594	0.089	0.527	<0.001	5_CD8.T_{nai}
CD247	<0.001	0.724	0.718	0.596	<0.001	5_CD8.T_{nai}
LSP1	<0.001	0.741	0.758	0.668	<0.001	5_CD8.T_{nai}
HSPA5	<0.001	0.910	0.573	0.316	<0.001	5_CD8.T_{nai}
REEP5	<0.001	0.822	0.508	0.252	<0.001	5_CD8.T_{nai}
GRAMD1A	<0.001	-0.502	0.048	0.458	<0.001	5_CD8.T_{nai}
STAT1	<0.001	0.863	0.621	0.360	<0.001	5_CD8.T_{nai}
ATP2B4	<0.001	0.574	0.258	0.039	<0.001	5_CD8.T_{nai}
SPN	<0.001	0.786	0.548	0.296	<0.001	5_CD8.T_{nai}
FAM102A	<0.001	-0.518	0.056	0.465	<0.001	5_CD8.T_{nai}
GADD45B	<0.001	-0.627	0.177	0.640	<0.001	5_CD8.T_{nai}
SCAND1	<0.001	0.744	0.629	0.440	<0.001	5_CD8.T_{nai}
VAMP2	<0.001	0.665	0.831	0.835	<0.001	5_CD8.T_{nai}
BTG2	<0.001	-0.626	0.258	0.715	<0.001	5_CD8.T_{nai}
ARF1	<0.001	0.718	0.677	0.535	<0.001	5_CD8.T_{nai}
ADGRE5	<0.001	0.899	0.524	0.275	<0.001	5_CD8.T_{nai}
NR4A1	<0.001	-0.550	0.000	0.347	<0.001	5_CD8.T_{nai}
ITGB7	<0.001	0.785	0.524	0.275	<0.001	5_CD8.T_{nai}
PTPRE	<0.001	0.709	0.355	0.103	<0.001	5_CD8.T_{nai}
HLA-DQB1	<0.001	0.627	0.250	0.039	<0.001	5_CD8.T_{nai}
GLIPR2	<0.001	0.773	0.387	0.131	<0.001	5_CD8.T_{nai}
MYO1G	<0.001	0.843	0.532	0.298	<0.001	5_CD8.T_{nai}
SERTAD3	<0.001	0.585	0.258	0.044	<0.001	5_CD8.T_{nai}
STK17A	<0.001	-0.515	0.242	0.715	<0.001	5_CD8.T_{nai}
AC114760.2	<0.001	-0.513	0.065	0.458	<0.001	5_CD8.T_{nai}
YWHAQ	<0.001	0.749	0.645	0.491	<0.001	5_CD8.T_{nai}
GNG2	<0.001	0.699	0.427	0.172	<0.001	5_CD8.T_{nai}
HNRNPDL	<0.001	0.584	0.831	0.851	<0.001	5_CD8.T_{nai}
PPP1CA	<0.001	0.784	0.677	0.568	<0.001	5_CD8.T_{nai}
TSPYL2	<0.001	-0.508	0.073	0.452	<0.001	5_CD8.T_{nai}

PDIA3	<0.001	0.750	0.653	0.522	<0.001	5_CD8.T_{nai}
SH2D2A	<0.001	0.761	0.331	0.095	<0.001	5_CD8.T_{nai}
RAP1B	<0.001	0.600	0.790	0.846	<0.001	5_CD8.T_{nai}
IFIT3	<0.001	0.649	0.185	0.018	<0.001	5_CD8.T_{nai}
LRRN3	<0.001	-0.544	0.000	0.311	<0.001	5_CD8.T_{nai}
CARS	<0.001	-0.519	0.073	0.445	<0.001	5_CD8.T_{nai}
RHOA	<0.001	0.739	0.726	0.686	<0.001	5_CD8.T_{nai}
PPIA	<0.001	0.571	0.839	0.907	<0.001	5_CD8.T_{nai}
HLA-F	<0.001	0.657	0.734	0.743	<0.001	5_CD8.T_{nai}
TMEM50A	<0.001	0.812	0.597	0.429	<0.001	5_CD8.T_{nai}
SHISA5	<0.001	0.699	0.540	0.311	<0.001	5_CD8.T_{nai}
IRF9	<0.001	0.820	0.460	0.213	<0.001	5_CD8.T_{nai}
NPDC1	<0.001	0.562	0.226	0.036	<0.001	5_CD8.T_{nai}
IQGAP2	<0.001	0.771	0.395	0.154	<0.001	5_CD8.T_{nai}
GLIPR1	<0.001	0.629	0.379	0.139	<0.001	5_CD8.T_{nai}
PPP1R18	<0.001	0.772	0.556	0.355	<0.001	5_CD8.T_{nai}
CD38	<0.001	0.642	0.194	0.023	<0.001	5_CD8.T_{nai}
JPT1	<0.001	0.715	0.452	0.221	<0.001	5_CD8.T_{nai}
SEC61B	<0.001	0.690	0.629	0.473	<0.001	5_CD8.T_{nai}
IDH2	<0.001	0.657	0.387	0.152	<0.001	5_CD8.T_{nai}
TMBIM6	<0.001	0.598	0.774	0.704	<0.001	5_CD8.T_{nai}
CAST	<0.001	0.705	0.548	0.352	<0.001	5_CD8.T_{nai}
CIB1	<0.001	0.639	0.694	0.632	<0.001	5_CD8.T_{nai}
KLRG1	<0.001	0.547	0.290	0.077	<0.001	5_CD8.T_{nai}
ANXA5	<0.001	0.658	0.339	0.113	<0.001	5_CD8.T_{nai}
MSN	<0.001	0.851	0.629	0.512	<0.001	5_CD8.T_{nai}
GNAI2	<0.001	0.597	0.750	0.748	<0.001	5_CD8.T_{nai}
CARD16	<0.001	0.849	0.476	0.265	<0.001	5_CD8.T_{nai}
GBP4	<0.001	0.695	0.403	0.183	<0.001	5_CD8.T_{nai}
TPI1	<0.001	0.656	0.653	0.542	<0.001	5_CD8.T_{nai}
MIEN1	<0.001	0.631	0.419	0.208	<0.001	5_CD8.T_{nai}
AC020916.1	<0.001	0.552	0.194	0.031	<0.001	5_CD8.T_{nai}
COX8A	<0.001	0.665	0.661	0.607	<0.001	5_CD8.T_{nai}
CD300A	<0.001	0.566	0.250	0.062	<0.001	5_CD8.T_{nai}
ASNA1	<0.001	0.616	0.323	0.116	<0.001	5_CD8.T_{nai}
COX6A1	<0.001	0.573	0.718	0.722	<0.001	5_CD8.T_{nai}

GSTK1	<0.001	0.615	0.718	0.653	<0.001	5_CD8.T_{nai}
PDIA6	<0.001	0.638	0.452	0.247	<0.001	5_CD8.T_{nai}
CYCS	<0.001	0.576	0.685	0.596	<0.001	5_CD8.T_{nai}
ATP1B3	<0.001	0.671	0.379	0.165	<0.001	5_CD8.T_{nai}
FBXO6	<0.001	0.508	0.194	0.033	<0.001	5_CD8.T_{nai}
ATG2A	<0.001	0.652	0.331	0.123	<0.001	5_CD8.T_{nai}
RHBDF2	<0.001	0.572	0.226	0.051	<0.001	5_CD8.T_{nai}
NDUFB10	<0.001	0.556	0.589	0.476	<0.001	5_CD8.T_{nai}
CDC42SE1	<0.001	0.661	0.669	0.584	<0.001	5_CD8.T_{nai}
ATP6V0E1	<0.001	0.554	0.734	0.748	<0.001	5_CD8.T_{nai}
ITGAL	<0.001	0.765	0.468	0.285	<0.001	5_CD8.T_{nai}
CALM2	<0.001	0.561	0.750	0.758	<0.001	5_CD8.T_{nai}
OPTN	<0.001	0.674	0.371	0.170	<0.001	5_CD8.T_{nai}
SAP18	<0.001	0.582	0.694	0.704	<0.001	5_CD8.T_{nai}
CASP1	<0.001	0.692	0.411	0.213	<0.001	5_CD8.T_{nai}
NEDD8	<0.001	0.537	0.694	0.668	<0.001	5_CD8.T_{nai}
DYNLRB1	<0.001	0.613	0.573	0.427	<0.001	5_CD8.T_{nai}
MXD4	<0.001	0.629	0.339	0.139	<0.001	5_CD8.T_{nai}
JMJD6	<0.001	0.646	0.298	0.105	<0.001	5_CD8.T_{nai}
TSEN54	<0.001	0.643	0.347	0.144	<0.001	5_CD8.T_{nai}
RAN	<0.001	0.598	0.685	0.681	<0.001	5_CD8.T_{nai}
SELENOS	<0.001	0.614	0.395	0.193	<0.001	5_CD8.T_{nai}
ARF6	<0.001	0.610	0.581	0.452	<0.001	5_CD8.T_{nai}
EZR	<0.001	0.683	0.500	0.329	<0.001	5_CD8.T_{nai}
CAP1	<0.001	0.630	0.694	0.679	<0.001	5_CD8.T_{nai}
ISG20	<0.001	0.618	0.710	0.704	<0.001	5_CD8.T_{nai}
CAPN2	<0.001	0.705	0.444	0.257	<0.001	5_CD8.T_{nai}
SAMSN1	<0.001	0.559	0.290	0.100	<0.001	5_CD8.T_{nai}
PAXX	<0.001	0.625	0.605	0.486	<0.001	5_CD8.T_{nai}
GTF3C1	<0.001	0.542	0.210	0.049	<0.001	5_CD8.T_{nai}
ATP6V0B	<0.001	0.657	0.468	0.301	<0.001	5_CD8.T_{nai}
SPCS2	<0.001	0.621	0.565	0.478	<0.001	5_CD8.T_{nai}
SELENOW	<0.001	0.610	0.637	0.609	<0.001	5_CD8.T_{nai}
MIAT	<0.001	0.627	0.266	0.090	<0.001	5_CD8.T_{nai}
DYNLL1	<0.001	0.745	0.532	0.416	<0.001	5_CD8.T_{nai}
LRRFIP1	<0.001	0.653	0.653	0.571	<0.001	5_CD8.T_{nai}

PSMB1	<0.001	0.562	0.637	0.609	<0.001	5_CD8.T_{nai}
HLA-DRA	<0.001	0.921	0.435	0.272	<0.001	5_CD8.T_{nai}
S100B	<0.001	-0.617	0.145	0.429	<0.001	5_CD8.T_{nai}
COX5A	<0.001	0.574	0.548	0.445	<0.001	5_CD8.T_{nai}
HCLS1	<0.001	0.564	0.597	0.514	0.001	5_CD8.T_{nai}
NFATC2	<0.001	0.612	0.282	0.105	0.001	5_CD8.T_{nai}
ZFP36L2	<0.001	0.502	0.895	0.920	0.001	5_CD8.T_{nai}
BSG	<0.001	0.731	0.452	0.296	0.001	5_CD8.T_{nai}
SRRM2	<0.001	0.629	0.694	0.661	0.001	5_CD8.T_{nai}
CEBPB	<0.001	0.826	0.468	0.316	0.001	5_CD8.T_{nai}
BRK1	<0.001	0.668	0.621	0.591	0.001	5_CD8.T_{nai}
CEP78	<0.001	0.639	0.258	0.087	0.001	5_CD8.T_{nai}
RAB29	<0.001	0.559	0.403	0.219	0.001	5_CD8.T_{nai}
ID2	<0.001	0.771	0.548	0.409	0.001	5_CD8.T_{nai}
C11orf21	<0.001	0.557	0.250	0.085	0.001	5_CD8.T_{nai}
IFI35	<0.001	0.685	0.331	0.157	0.002	5_CD8.T_{nai}
ANXA6	<0.001	0.584	0.573	0.494	0.002	5_CD8.T_{nai}
UBE2L3	<0.001	0.518	0.524	0.419	0.002	5_CD8.T_{nai}
APOL6	<0.001	0.755	0.403	0.242	0.002	5_CD8.T_{nai}
ARF5	<0.001	0.612	0.355	0.185	0.003	5_CD8.T_{nai}
GNG5	<0.001	0.591	0.548	0.442	0.003	5_CD8.T_{nai}
PTPN7	<0.001	0.637	0.444	0.283	0.003	5_CD8.T_{nai}
STAT3	<0.001	0.574	0.589	0.499	0.003	5_CD8.T_{nai}
SNRPB	<0.001	0.560	0.581	0.522	0.004	5_CD8.T_{nai}
RNPEPL1	<0.001	0.547	0.452	0.301	0.004	5_CD8.T_{nai}
RAB5C	<0.001	0.526	0.452	0.311	0.005	5_CD8.T_{nai}
HNRNPA3	<0.001	0.524	0.677	0.710	0.006	5_CD8.T_{nai}
TAP2	<0.001	0.617	0.290	0.126	0.006	5_CD8.T_{nai}
COTL1	<0.001	0.560	0.677	0.686	0.007	5_CD8.T_{nai}
GNB2	<0.001	0.536	0.460	0.332	0.007	5_CD8.T_{nai}
PSMB2	<0.001	0.609	0.419	0.275	0.007	5_CD8.T_{nai}
RAC1	<0.001	0.629	0.532	0.440	0.009	5_CD8.T_{nai}
DYNLT1	<0.001	0.563	0.355	0.195	0.011	5_CD8.T_{nai}
APMAP	<0.001	0.542	0.323	0.162	0.012	5_CD8.T_{nai}
KRTCAP2	<0.001	0.712	0.476	0.370	0.013	5_CD8.T_{nai}
PYCARD	<0.001	0.518	0.371	0.211	0.013	5_CD8.T_{nai}

TPST2	<0.001	0.621	0.379	0.224	0.016	5_CD8.T_{nai}
SELPLG	<0.001	0.571	0.460	0.329	0.016	5_CD8.T_{nai}
LINC01871	<0.001	0.540	0.315	0.139	0.017	5_CD8.T_{nai}
ARPC5L	<0.001	0.564	0.411	0.267	0.018	5_CD8.T_{nai}
TMEM59	<0.001	0.534	0.573	0.545	0.020	5_CD8.T_{nai}
RBM38	<0.001	0.605	0.452	0.332	0.028	5_CD8.T_{nai}
CYTIP	<0.001	0.512	0.621	0.591	0.028	5_CD8.T_{nai}
BIN2	<0.001	0.509	0.613	0.573	0.029	5_CD8.T_{nai}
PRR13	<0.001	0.616	0.581	0.553	0.030	5_CD8.T_{nai}
MX1	<0.001	0.627	0.315	0.162	0.031	5_CD8.T_{nai}
FYN	<0.001	0.557	0.565	0.506	0.033	5_CD8.T_{nai}
ALOX5AP	<0.001	0.668	0.363	0.216	0.033	5_CD8.T_{nai}
RAB27A	<0.001	0.598	0.282	0.131	0.034	5_CD8.T_{nai}
PSMB6	<0.001	0.585	0.435	0.316	0.035	5_CD8.T_{nai}
PARP9	<0.001	0.587	0.282	0.129	0.035	5_CD8.T_{nai}
MGST3	<0.001	0.631	0.460	0.355	0.036	5_CD8.T_{nai}
ADAR	<0.001	0.607	0.508	0.422	0.038	5_CD8.T_{nai}
LDHA	<0.001	0.521	0.637	0.661	0.038	5_CD8.T_{nai}
SAMD9L	<0.001	0.662	0.242	0.095	0.038	5_CD8.T_{nai}
FAM96B	<0.001	0.614	0.476	0.383	0.039	5_CD8.T_{nai}
RASSF1	<0.001	0.508	0.339	0.185	0.039	5_CD8.T_{nai}
GSTP1	<0.001	0.538	0.565	0.506	0.043	5_CD8.T_{nai}
PSMD8	<0.001	0.530	0.532	0.486	0.046	5_CD8.T_{nai}
WDR83OS	<0.001	0.565	0.532	0.473	0.050	5_CD8.T_{nai}
RALY	<0.001	0.554	0.460	0.350	0.053	5_CD8.T_{nai}
POMP	<0.001	0.635	0.500	0.432	0.074	5_CD8.T_{nai}
ENY2	<0.001	0.511	0.500	0.406	0.076	5_CD8.T_{nai}
XBP1	<0.001	0.695	0.435	0.324	0.087	5_CD8.T_{nai}
CFLAR	<0.001	0.528	0.484	0.388	0.093	5_CD8.T_{nai}
APOBEC3C	<0.001	0.519	0.290	0.144	0.094	5_CD8.T_{nai}
FMNL1	<0.001	0.502	0.589	0.576	0.118	5_CD8.T_{nai}
CSNK1D	<0.001	0.519	0.339	0.201	0.134	5_CD8.T_{nai}
RAB8A	<0.001	0.502	0.387	0.257	0.138	5_CD8.T_{nai}
NDUFB7	<0.001	0.557	0.508	0.458	0.158	5_CD8.T_{nai}
EMD	<0.001	0.508	0.339	0.206	0.162	5_CD8.T_{nai}
OSTF1	<0.001	0.650	0.419	0.314	0.166	5_CD8.T_{nai}

NDUFA13	<0.001	0.571	0.476	0.398	0.175	5_CD8.T_{nai}
DCTN3	<0.001	0.538	0.411	0.303	0.178	5_CD8.T_{nai}
GABARAPL1	<0.001	0.529	0.250	0.113	0.190	5_CD8.T_{nai}
SP100	<0.001	0.536	0.548	0.509	0.193	5_CD8.T_{nai}
VAMP5	<0.001	0.576	0.468	0.388	0.195	5_CD8.T_{nai}
AKNA	<0.001	0.520	0.532	0.478	0.221	5_CD8.T_{nai}
PREX1	<0.001	0.573	0.266	0.129	0.287	5_CD8.T_{nai}
SKAP1	<0.001	0.563	0.508	0.437	0.317	5_CD8.T_{nai}
BTN3A2	<0.001	0.528	0.581	0.576	0.331	5_CD8.T_{nai}
RGS19	<0.001	0.573	0.371	0.249	0.379	5_CD8.T_{nai}
CSK	<0.001	0.529	0.492	0.424	0.383	5_CD8.T_{nai}
LCP1	<0.001	0.509	0.613	0.612	0.391	5_CD8.T_{nai}
TMCO1	<0.001	0.514	0.403	0.293	0.433	5_CD8.T_{nai}
NAPA	<0.001	0.536	0.298	0.170	0.484	5_CD8.T_{nai}
ARHGDIA	<0.001	0.622	0.452	0.378	0.488	5_CD8.T_{nai}
BLOC1S1	<0.001	0.555	0.444	0.357	0.519	5_CD8.T_{nai}
MFSD10	<0.001	0.541	0.306	0.175	0.551	5_CD8.T_{nai}
KLF3	<0.001	0.563	0.435	0.339	0.594	5_CD8.T_{nai}
SSBP3	<0.001	0.546	0.315	0.188	0.693	5_CD8.T_{nai}
RAB5IF	<0.001	0.574	0.355	0.239	0.713	5_CD8.T_{nai}
CDC25B	<0.001	0.667	0.371	0.265	0.823	5_CD8.T_{nai}
ARL6IP1	<0.001	0.516	0.403	0.296	0.904	5_CD8.T_{nai}
VOPP1	<0.001	0.503	0.266	0.139	0.939	5_CD8.T_{nai}
ZBTB38	<0.001	0.513	0.290	0.165	0.946	5_CD8.T_{nai}
CDK2AP2	<0.001	0.550	0.347	0.229	1.000	5_CD8.T_{nai}
SAMD9	<0.001	0.506	0.371	0.254	1.000	5_CD8.T_{nai}
MRPL10	<0.001	0.510	0.242	0.123	1.000	5_CD8.T_{nai}
EPS15	<0.001	0.577	0.290	0.175	1.000	5_CD8.T_{nai}
ALYREF	<0.001	0.536	0.290	0.177	1.000	5_CD8.T_{nai}
FERMT3	<0.001	0.548	0.427	0.347	1.000	5_CD8.T_{nai}
RNASET2	<0.001	0.501	0.387	0.296	1.000	5_CD8.T_{nai}
TLN1	<0.001	0.531	0.387	0.293	1.000	5_CD8.T_{nai}
FBXW5	<0.001	0.536	0.363	0.270	1.000	5_CD8.T_{nai}
CAPNS1	<0.001	0.597	0.395	0.321	1.000	5_CD8.T_{nai}
TBCB	<0.001	0.571	0.355	0.262	1.000	5_CD8.T_{nai}
BAX	<0.001	0.630	0.468	0.442	1.000	5_CD8.T_{nai}

RHOF	<0.001	0.500	0.468	0.414	1.000	5_CD8.T_{nai}
HSP90B1	<0.001	0.534	0.524	0.488	1.000	5_CD8.T_{nai}
WDR1	<0.001	0.527	0.476	0.455	1.000	5_CD8.T_{nai}
PRDX1	<0.001	0.520	0.484	0.494	1.000	5_CD8.T_{nai}
IDS	<0.001	0.543	0.427	0.378	1.000	5_CD8.T_{nai}
TRIM22	0.001	0.545	0.331	0.242	1.000	5_CD8.T_{nai}
MTPN	0.001	0.508	0.371	0.293	1.000	5_CD8.T_{nai}
CYB561D2	0.001	0.538	0.258	0.159	1.000	5_CD8.T_{nai}
ITM2A	0.001	0.509	0.403	0.342	1.000	5_CD8.T_{nai}
ENSA	0.001	0.526	0.452	0.424	1.000	5_CD8.T_{nai}
TMED9	0.001	0.502	0.379	0.329	1.000	5_CD8.T_{nai}
CAPZA1	0.001	0.531	0.387	0.321	1.000	5_CD8.T_{nai}
IQSEC1	0.002	0.508	0.194	0.105	1.000	5_CD8.T_{nai}
DERL1	0.002	0.523	0.242	0.154	1.000	5_CD8.T_{nai}
NDUFB9	0.003	0.523	0.476	0.491	1.000	5_CD8.T_{nai}
GBP2	0.003	0.516	0.371	0.314	1.000	5_CD8.T_{nai}
CD47	0.004	0.509	0.476	0.491	1.000	5_CD8.T_{nai}
CNOT6L	0.017	0.517	0.379	0.370	1.000	5_CD8.T_{nai}
XIST	<0.001	1.848	1.000	0.000	<0.001	14_CD8.T_{eff}2
IFITM1	<0.001	2.517	0.990	0.182	<0.001	14_CD8.T_{eff}2
NKG7	<0.001	1.215	1.000	0.964	<0.001	14_CD8.T_{eff}2
FOSB	<0.001	-1.990	0.096	0.917	<0.001	14_CD8.T_{eff}2
HLA-C	<0.001	0.788	1.000	0.995	<0.001	14_CD8.T_{eff}2
HLA-B	<0.001	0.675	0.995	1.000	<0.001	14_CD8.T_{eff}2
HBB	<0.001	1.807	0.799	0.010	<0.001	14_CD8.T_{eff}2
GZMB	<0.001	1.395	0.995	0.516	<0.001	14_CD8.T_{eff}2
FOS	<0.001	-1.801	0.134	0.891	<0.001	14_CD8.T_{eff}2
FGFBP2	<0.001	1.541	0.957	0.573	<0.001	14_CD8.T_{eff}2
PRF1	<0.001	1.175	0.986	0.781	<0.001	14_CD8.T_{eff}2
CXCR4	<0.001	1.621	0.923	0.505	<0.001	14_CD8.T_{eff}2
CCL4	<0.001	1.826	0.957	0.443	<0.001	14_CD8.T_{eff}2
IFI6	<0.001	1.509	0.861	0.245	<0.001	14_CD8.T_{eff}2
TSC22D3	<0.001	1.392	0.957	0.688	<0.001	14_CD8.T_{eff}2
GNLY	<0.001	0.959	0.995	0.995	<0.001	14_CD8.T_{eff}2
CST7	<0.001	0.955	0.995	0.885	<0.001	14_CD8.T_{eff}2
MYOM2	<0.001	1.874	0.703	0.005	<0.001	14_CD8.T_{eff}2

GZMH	<0.001	1.123	0.986	0.656	<0.001	14_CD8.T_{eff}2
ISG15	<0.001	1.414	0.904	0.422	<0.001	14_CD8.T_{eff}2
CCL5	<0.001	0.857	1.000	0.979	<0.001	14_CD8.T_{eff}2
LY6E	<0.001	1.017	0.957	0.792	<0.001	14_CD8.T_{eff}2
SH3BGRL3	<0.001	0.714	0.995	0.990	<0.001	14_CD8.T_{eff}2
IFITM2	<0.001	0.974	0.981	0.755	<0.001	14_CD8.T_{eff}2
HBA2	<0.001	1.841	0.627	0.000	<0.001	14_CD8.T_{eff}2
ARL4C	<0.001	0.876	0.981	0.906	<0.001	14_CD8.T_{eff}2
LGALS1	<0.001	1.414	0.938	0.578	<0.001	14_CD8.T_{eff}2
HLA-DRB1	<0.001	1.251	0.823	0.250	<0.001	14_CD8.T_{eff}2
CD27	<0.001	-1.066	0.014	0.609	<0.001	14_CD8.T_{eff}2
KLRG1	<0.001	-1.121	0.239	0.859	<0.001	14_CD8.T_{eff}2
HBA1	<0.001	1.922	0.589	0.000	<0.001	14_CD8.T_{eff}2
HLA-DQA2	<0.001	1.214	0.670	0.094	<0.001	14_CD8.T_{eff}2
MTRNR2L12	<0.001	-0.926	0.010	0.568	<0.001	14_CD8.T_{eff}2
TNFAIP3	<0.001	1.307	0.746	0.188	<0.001	14_CD8.T_{eff}2
PRSS23	<0.001	1.146	0.742	0.188	<0.001	14_CD8.T_{eff}2
CD8B	<0.001	1.105	0.923	0.521	<0.001	14_CD8.T_{eff}2
HLA-E	<0.001	0.564	0.995	0.990	<0.001	14_CD8.T_{eff}2
HLA-DPB1	<0.001	1.020	0.890	0.510	<0.001	14_CD8.T_{eff}2
HLA-DPA1	<0.001	1.063	0.876	0.479	<0.001	14_CD8.T_{eff}2
PFN1	<0.001	0.658	1.000	0.984	<0.001	14_CD8.T_{eff}2
FCGR3A	<0.001	1.065	0.856	0.385	<0.001	14_CD8.T_{eff}2
IFI27	<0.001	2.204	0.565	0.016	<0.001	14_CD8.T_{eff}2
JUN	<0.001	-0.994	0.785	0.984	<0.001	14_CD8.T_{eff}2
DDIT4	<0.001	1.210	0.722	0.203	<0.001	14_CD8.T_{eff}2
RARRES3	<0.001	0.822	0.957	0.807	<0.001	14_CD8.T_{eff}2
METRNL	<0.001	1.085	0.608	0.068	<0.001	14_CD8.T_{eff}2
SRGN	<0.001	0.700	0.976	0.891	<0.001	14_CD8.T_{eff}2
CYBA	<0.001	0.624	0.995	0.979	<0.001	14_CD8.T_{eff}2
IL32	<0.001	0.536	0.995	0.979	<0.001	14_CD8.T_{eff}2
IL7R	<0.001	-1.555	0.077	0.599	<0.001	14_CD8.T_{eff}2
ZFP36	<0.001	1.114	0.852	0.536	<0.001	14_CD8.T_{eff}2
TYMP	<0.001	1.023	0.732	0.224	<0.001	14_CD8.T_{eff}2
BTG1	<0.001	0.732	0.990	0.948	<0.001	14_CD8.T_{eff}2
PSME1	<0.001	0.643	0.981	0.906	<0.001	14_CD8.T_{eff}2

UBE2L6	<0.001	0.906	0.785	0.385	<0.001	14_CD8.T_{eff}2
XAF1	<0.001	0.992	0.722	0.234	<0.001	14_CD8.T_{eff}2
CRIP1	<0.001	1.010	0.766	0.344	<0.001	14_CD8.T_{eff}2
CD74	<0.001	1.146	0.880	0.620	<0.001	14_CD8.T_{eff}2
LITAF	<0.001	0.781	0.919	0.750	<0.001	14_CD8.T_{eff}2
LTB	<0.001	-1.523	0.067	0.552	<0.001	14_CD8.T_{eff}2
CCL4L2	<0.001	1.242	0.455	0.000	<0.001	14_CD8.T_{eff}2
LAIR2	<0.001	0.983	0.636	0.141	<0.001	14_CD8.T_{eff}2
SYNGR1	<0.001	1.050	0.512	0.047	<0.001	14_CD8.T_{eff}2
ARHGDIB	<0.001	0.575	0.967	0.958	<0.001	14_CD8.T_{eff}2
LYZ	<0.001	-0.798	0.053	0.531	<0.001	14_CD8.T_{eff}2
S100A6	<0.001	0.519	0.995	0.984	<0.001	14_CD8.T_{eff}2
ISG20	<0.001	0.856	0.842	0.583	<0.001	14_CD8.T_{eff}2
PSME2	<0.001	0.743	0.904	0.703	<0.001	14_CD8.T_{eff}2
IRF9	<0.001	0.942	0.651	0.198	<0.001	14_CD8.T_{eff}2
GZMK	<0.001	-1.393	0.033	0.479	<0.001	14_CD8.T_{eff}2
GIMAP7	<0.001	-0.782	0.526	0.896	<0.001	14_CD8.T_{eff}2
HSP90AA1	<0.001	0.579	0.971	0.974	<0.001	14_CD8.T_{eff}2
TCF7	<0.001	-0.794	0.067	0.516	<0.001	14_CD8.T_{eff}2
FLNA	<0.001	0.703	0.923	0.771	<0.001	14_CD8.T_{eff}2
CES1	<0.001	0.880	0.478	0.052	<0.001	14_CD8.T_{eff}2
PSMB10	<0.001	0.857	0.617	0.193	<0.001	14_CD8.T_{eff}2
EPSTI1	<0.001	0.862	0.488	0.068	<0.001	14_CD8.T_{eff}2
CD8A	<0.001	0.678	0.923	0.682	<0.001	14_CD8.T_{eff}2
OASL	<0.001	0.760	0.498	0.073	<0.001	14_CD8.T_{eff}2
DDX3Y	<0.001	-0.612	0.000	0.354	<0.001	14_CD8.T_{eff}2
AC007952.4	<0.001	-0.661	0.005	0.365	<0.001	14_CD8.T_{eff}2
GAPDH	<0.001	0.553	0.995	0.964	<0.001	14_CD8.T_{eff}2
BST2	<0.001	0.745	0.794	0.521	<0.001	14_CD8.T_{eff}2
STAT1	<0.001	0.851	0.656	0.240	<0.001	14_CD8.T_{eff}2
EMP3	<0.001	0.501	0.971	0.906	<0.001	14_CD8.T_{eff}2
CMC1	<0.001	-0.998	0.077	0.474	<0.001	14_CD8.T_{eff}2
RGS1	<0.001	1.053	0.402	0.036	<0.001	14_CD8.T_{eff}2
IFIT3	<0.001	0.711	0.368	0.016	<0.001	14_CD8.T_{eff}2
KLRB1	<0.001	-1.271	0.033	0.380	<0.001	14_CD8.T_{eff}2
RBM38	<0.001	0.803	0.565	0.188	<0.001	14_CD8.T_{eff}2

GBP1	<0.001	0.924	0.598	0.245	<0.001	14_CD8.T_{eff}2
PSMB9	<0.001	0.571	0.943	0.854	<0.001	14_CD8.T_{eff}2
IFI44L	<0.001	0.916	0.392	0.036	<0.001	14_CD8.T_{eff}2
A2M-AS1	<0.001	-0.658	0.067	0.432	<0.001	14_CD8.T_{eff}2
AC004687.1	<0.001	-0.690	0.201	0.625	<0.001	14_CD8.T_{eff}2
CHST12	<0.001	0.629	0.794	0.495	<0.001	14_CD8.T_{eff}2
UBB	<0.001	0.501	0.952	0.901	<0.001	14_CD8.T_{eff}2
TAGLN2	<0.001	0.661	0.861	0.635	<0.001	14_CD8.T_{eff}2
GTF3C1	<0.001	0.753	0.531	0.156	<0.001	14_CD8.T_{eff}2
INTS6	<0.001	-0.684	0.144	0.547	<0.001	14_CD8.T_{eff}2
IRF1	<0.001	0.701	0.842	0.750	<0.001	14_CD8.T_{eff}2
ITGB1	<0.001	0.652	0.804	0.573	<0.001	14_CD8.T_{eff}2
LAG3	<0.001	0.706	0.579	0.214	<0.001	14_CD8.T_{eff}2
SERTAD3	<0.001	0.716	0.349	0.031	<0.001	14_CD8.T_{eff}2
CTLA4	<0.001	0.601	0.297	0.005	<0.001	14_CD8.T_{eff}2
CD63	<0.001	0.562	0.885	0.745	<0.001	14_CD8.T_{eff}2
CEMIP2	<0.001	0.747	0.459	0.125	<0.001	14_CD8.T_{eff}2
OAS1	<0.001	0.605	0.364	0.052	<0.001	14_CD8.T_{eff}2
ASCL2	<0.001	0.666	0.526	0.172	<0.001	14_CD8.T_{eff}2
IRF7	<0.001	0.678	0.459	0.141	<0.001	14_CD8.T_{eff}2
HLA-DRA	<0.001	0.997	0.598	0.318	<0.001	14_CD8.T_{eff}2
TAP1	<0.001	0.639	0.713	0.484	<0.001	14_CD8.T_{eff}2
CCDC12	<0.001	0.606	0.684	0.427	<0.001	14_CD8.T_{eff}2
ACAP1	<0.001	-0.559	0.555	0.870	<0.001	14_CD8.T_{eff}2
MIF	<0.001	0.615	0.617	0.349	<0.001	14_CD8.T_{eff}2
HLA-DQB1	<0.001	0.692	0.378	0.083	<0.001	14_CD8.T_{eff}2
GIMAP1	<0.001	-0.582	0.297	0.635	<0.001	14_CD8.T_{eff}2
SSBP4	<0.001	0.532	0.742	0.495	<0.001	14_CD8.T_{eff}2
SP110	<0.001	0.562	0.665	0.359	<0.001	14_CD8.T_{eff}2
ANXA5	<0.001	0.597	0.622	0.354	<0.001	14_CD8.T_{eff}2
TLE4	<0.001	-0.583	0.172	0.526	<0.001	14_CD8.T_{eff}2
IER5	<0.001	-0.669	0.177	0.510	<0.001	14_CD8.T_{eff}2
BPGM	<0.001	0.523	0.321	0.042	<0.001	14_CD8.T_{eff}2
IL2RG	<0.001	0.518	0.842	0.714	<0.001	14_CD8.T_{eff}2
GABPB1-AS1	<0.001	-0.572	0.153	0.464	<0.001	14_CD8.T_{eff}2
ITGB7	<0.001	0.548	0.689	0.453	<0.001	14_CD8.T_{eff}2

ZNF683	<0.001	0.637	0.455	0.151	<0.001	14_CD8.T_{eff}2
ILF3-DT	<0.001	-0.551	0.239	0.562	<0.001	14_CD8.T_{eff}2
TSPAN2	<0.001	0.504	0.282	0.042	<0.001	14_CD8.T_{eff}2
DYNLT1	<0.001	0.566	0.498	0.234	<0.001	14_CD8.T_{eff}2
ARHGAP10	<0.001	0.520	0.316	0.062	<0.001	14_CD8.T_{eff}2
PARP9	<0.001	0.578	0.402	0.125	<0.001	14_CD8.T_{eff}2
TRDC	<0.001	-1.376	0.010	0.208	<0.001	14_CD8.T_{eff}2
ATM	<0.001	-0.522	0.411	0.724	<0.001	14_CD8.T_{eff}2
SLC38A2	<0.001	-0.515	0.134	0.422	<0.001	14_CD8.T_{eff}2
TYROBP	<0.001	1.069	0.478	0.234	<0.001	14_CD8.T_{eff}2
GNG5	<0.001	0.510	0.708	0.552	<0.001	14_CD8.T_{eff}2
TECR	<0.001	0.559	0.641	0.417	<0.001	14_CD8.T_{eff}2
CD7	<0.001	-0.503	0.392	0.703	<0.001	14_CD8.T_{eff}2
ARID5B	<0.001	0.599	0.464	0.208	<0.001	14_CD8.T_{eff}2
TRGC2	<0.001	-0.640	0.469	0.750	<0.001	14_CD8.T_{eff}2
KLRC1	<0.001	-0.629	0.014	0.198	<0.001	14_CD8.T_{eff}2
CEBPB	<0.001	0.544	0.589	0.401	<0.001	14_CD8.T_{eff}2
IFI35	<0.001	0.508	0.459	0.229	<0.001	14_CD8.T_{eff}2
EIF2AK2	<0.001	0.600	0.464	0.219	<0.001	14_CD8.T_{eff}2
TRBC2	<0.001	0.622	0.799	0.781	<0.001	14_CD8.T_{eff}2
SERPINB1	<0.001	0.581	0.617	0.448	<0.001	14_CD8.T_{eff}2
KLRF1	<0.001	-0.503	0.072	0.297	<0.001	14_CD8.T_{eff}2
TRGC1	<0.001	0.536	0.579	0.292	<0.001	14_CD8.T_{eff}2
IER2	<0.001	-0.567	0.770	0.906	<0.001	14_CD8.T_{eff}2
TRBC1	<0.001	0.536	0.847	0.599	<0.001	14_CD8.T_{eff}2
MX1	<0.001	0.551	0.407	0.177	0.001	14_CD8.T_{eff}2
BTG2	<0.001	-0.535	0.378	0.620	0.006	14_CD8.T_{eff}2
PTGDS	<0.001	0.615	0.306	0.115	0.012	14_CD8.T_{eff}2
GBP5	<0.001	0.512	0.526	0.344	0.019	14_CD8.T_{eff}2
SAT1	<0.001	-0.510	0.579	0.729	1.000	14_CD8.T_{eff}2

Table SXIII. Differentially expressed genes between the X-SCID patient and healthy cells in T cells.

Gene	p_val	avg_logFC	pct.1	pct.2	p_val_adj
CCL4	<0.001	3.036	0.928	0.062	<0.001
FGFBP2	<0.001	2.818	0.908	0.049	<0.001
GZMH	<0.001	2.756	0.950	0.058	<0.001
NKG7	<0.001	2.711	0.983	0.317	<0.001
IFITM1	<0.001	2.436	0.972	0.160	<0.001
GZMB	<0.001	2.086	0.675	0.041	<0.001
HBA1	<0.001	2.074	0.571	0.001	<0.001
HBA2	<0.001	2.005	0.601	0.000	<0.001
IFI27	<0.001	1.988	0.387	0.007	<0.001
CST7	<0.001	1.983	0.980	0.288	<0.001
PRF1	<0.001	1.960	0.923	0.242	<0.001
CCL5	<0.001	1.931	0.989	0.386	<0.001
RGS1	<0.001	1.928	0.731	0.081	<0.001
HBB	<0.001	1.801	0.799	0.006	<0.001
HLA-DPB1	<0.001	1.775	0.921	0.238	<0.001
HLA-DRB1	<0.001	1.764	0.854	0.127	<0.001
HLA-DPA1	<0.001	1.759	0.904	0.236	<0.001
CD74	<0.001	1.712	0.917	0.568	<0.001
CCL4L2	<0.001	1.684	0.318	0.000	<0.001
HLA-DRA	<0.001	1.672	0.701	0.262	<0.001
GZMA	<0.001	1.651	0.974	0.349	<0.001
CXCR4	<0.001	1.612	0.927	0.594	<0.001
XIST	<0.001	1.591	0.734	0.000	<0.001
LGALS1	<0.001	1.544	0.755	0.251	<0.001
HLA-DQA2	<0.001	1.513	0.680	0.021	<0.001
SRGN	<0.001	1.503	0.980	0.686	<0.001
LY6E	<0.001	1.469	0.957	0.675	<0.001
LAIR2	<0.001	1.426	0.627	0.026	<0.001
TNFAIP3	<0.001	1.407	0.829	0.313	<0.001
SH3BGRL3	<0.001	1.388	0.996	0.955	<0.001
FCGR3A	<0.001	1.374	0.564	0.044	<0.001
TSC22D3	<0.001	1.361	0.960	0.764	<0.001
CTSW	<0.001	1.355	0.928	0.476	<0.001
DDIT4	<0.001	1.343	0.769	0.278	<0.001
PRSS23	<0.001	1.325	0.595	0.013	<0.001
HLA-C	<0.001	1.324	0.996	0.995	<0.001
KLRD1	<0.001	1.322	0.537	0.125	<0.001
IFI6	<0.001	1.274	0.723	0.262	<0.001
ZEB2	<0.001	1.273	0.673	0.089	<0.001

ZFP36	<0.001	1.262	0.872	0.615	<0.001
EFHD2	<0.001	1.258	0.821	0.312	<0.001
RARRES3	<0.001	1.211	0.951	0.718	<0.001
PFN1	<0.001	1.200	0.997	0.963	<0.001
IFI44L	<0.001	1.189	0.540	0.059	<0.001
ISG15	<0.001	1.184	0.784	0.418	<0.001
SPON2	<0.001	1.151	0.517	0.073	<0.001
PSMB9	<0.001	1.150	0.941	0.716	<0.001
METRNL	<0.001	1.149	0.571	0.039	<0.001
TYMP	<0.001	1.139	0.670	0.213	<0.001
IFITM2	<0.001	1.126	0.917	0.672	<0.001
PSME2	<0.001	1.122	0.915	0.645	<0.001
ARL4C	<0.001	1.110	0.959	0.798	<0.001
C12orf75	<0.001	1.108	0.761	0.303	<0.001
CRIP1	<0.001	1.090	0.708	0.278	<0.001
CLIC3	<0.001	1.083	0.465	0.084	<0.001
HLA-B	<0.001	1.082	0.996	0.999	<0.001
IL32	<0.001	1.078	0.994	0.929	<0.001
CD81	<0.001	1.058	0.911	0.597	<0.001
UBE2L6	<0.001	1.045	0.731	0.320	<0.001
XAF1	<0.001	1.006	0.629	0.213	<0.001
CHST12	<0.001	1.004	0.703	0.272	<0.001
ADGRG1	<0.001	0.997	0.488	0.032	<0.001
PLEK	<0.001	0.996	0.659	0.172	<0.001
CLIC1	<0.001	0.989	0.951	0.682	<0.001
FLNA	<0.001	0.975	0.825	0.556	<0.001
IRF9	<0.001	0.972	0.594	0.196	<0.001
FCRL6	<0.001	0.969	0.497	0.027	<0.001
PSMB10	<0.001	0.969	0.595	0.173	<0.001
CTSC	<0.001	0.955	0.775	0.405	<0.001
IRF1	<0.001	0.934	0.841	0.653	<0.001
CEMIP2	<0.001	0.932	0.552	0.167	<0.001
LITAF	<0.001	0.923	0.839	0.616	<0.001
PSME1	<0.001	0.920	0.966	0.861	<0.001
TAP1	<0.001	0.917	0.723	0.406	<0.001
STAT1	<0.001	0.914	0.705	0.338	<0.001
BST2	<0.001	0.907	0.764	0.467	<0.001
CX3CR1	<0.001	0.905	0.432	0.029	<0.001
EMP3	<0.001	0.903	0.952	0.836	<0.001
HLA-DQB1	<0.001	0.899	0.425	0.060	<0.001
LAG3	<0.001	0.895	0.452	0.081	<0.001
CD2	<0.001	0.894	0.908	0.718	<0.001
GAPDH	<0.001	0.890	0.983	0.930	<0.001

EPSTI1	<0.001	0.889	0.466	0.076	<0.001
APOBEC3G	<0.001	0.886	0.724	0.356	<0.001
CYBA	<0.001	0.878	0.978	0.916	<0.001
CD99	<0.001	0.874	0.931	0.763	<0.001
CLEC2B	<0.001	0.870	0.733	0.457	<0.001
S100A4	<0.001	0.861	0.993	0.877	<0.001
HLA-A	<0.001	0.854	0.995	0.996	<0.001
IL2RG	<0.001	0.843	0.857	0.648	<0.001
CD63	<0.001	0.823	0.720	0.419	<0.001
HLA-E	<0.001	0.803	0.994	0.991	<0.001
RNF213	<0.001	0.798	0.883	0.716	<0.001
OASL	<0.001	0.798	0.393	0.028	<0.001
CD3D	<0.001	0.790	0.980	0.954	<0.001
ABHD17A	<0.001	0.789	0.822	0.629	<0.001
ARHGDIB	<0.001	0.788	0.977	0.938	<0.001
UBB	<0.001	0.782	0.956	0.878	<0.001
HCST	<0.001	0.754	0.963	0.874	<0.001
PSMB8	<0.001	0.754	0.810	0.619	<0.001
RAP1B	<0.001	0.752	0.892	0.782	<0.001
DBI	<0.001	0.750	0.766	0.570	<0.001
SUB1	<0.001	0.742	0.921	0.826	<0.001
MYL12B	<0.001	0.740	0.961	0.924	<0.001
GZMM	<0.001	0.721	0.841	0.617	<0.001
CD53	<0.001	0.711	0.833	0.682	<0.001
ITGB2	<0.001	0.708	0.902	0.796	<0.001
B2M	<0.001	0.707	1.000	1.000	<0.001
LSP1	<0.001	0.704	0.835	0.688	<0.001
MYL6	<0.001	0.703	0.983	0.957	<0.001
CFL1	<0.001	0.701	0.986	0.970	<0.001
ARPC2	<0.001	0.700	0.966	0.923	<0.001
ACTB	<0.001	0.694	0.999	0.998	<0.001
HSP90AA1	<0.001	0.684	0.975	0.945	<0.001
ARPC3	<0.001	0.673	0.949	0.907	<0.001
CALM1	<0.001	0.673	0.985	0.978	<0.001
CHCHD2	<0.001	0.634	0.924	0.857	<0.001
S100A6	<0.001	0.584	0.976	0.942	<0.001
CORO1A	<0.001	0.579	0.963	0.954	<0.001
SRP14	<0.001	0.567	0.950	0.928	<0.001
BTG1	<0.001	0.562	0.988	0.986	<0.001
MYL12A	<0.001	0.536	0.991	0.986	<0.001
SERF2	<0.001	0.494	0.983	0.979	<0.001
H3F3A	<0.001	0.471	0.978	0.971	<0.001
UBC	<0.001	0.468	0.972	0.983	<0.001

TMSB4X	<0.001	0.295	0.999	1.000	<0.001
RACK1	<0.001	-0.479	0.983	0.997	<0.001
TOMM7	<0.001	-0.572	0.882	0.984	<0.001
DDX3Y	<0.001	-0.593	0.002	0.388	<0.001
MYC	<0.001	-0.643	0.009	0.392	<0.001
EEF1A1	<0.001	-0.693	1.000	0.999	<0.001
LEF1	<0.001	-0.696	0.017	0.409	<0.001
MAL	<0.001	-0.699	0.004	0.404	<0.001
TRABD2A	<0.001	-0.704	0.018	0.428	<0.001
LYZ	<0.001	-0.714	0.094	0.596	<0.001
LDHB	<0.001	-0.715	0.694	0.936	<0.001
AQP3	<0.001	-0.730	0.052	0.505	<0.001
CCR7	<0.001	-0.744	0.003	0.402	<0.001
EEF1B2	<0.001	-0.758	0.924	0.991	<0.001
TPT1	<0.001	-0.807	0.998	0.999	<0.001
RCAN3	<0.001	-0.860	0.026	0.581	<0.001
SELL	<0.001	-0.879	0.081	0.561	<0.001
CD27	<0.001	-0.894	0.061	0.701	<0.001
PABPC1	<0.001	-0.898	0.690	0.975	<0.001
MTRNR2L12	<0.001	-0.908	0.003	0.579	<0.001
NOSIP	<0.001	-0.915	0.307	0.804	<0.001
TCF7	<0.001	-1.236	0.087	0.796	<0.001
IL7R	<0.001	-1.322	0.290	0.892	<0.001
FOS	<0.001	-1.735	0.213	0.933	<0.001
FOSB	<0.001	-1.982	0.150	0.940	<0.001
LTB	<0.001	-2.104	0.103	0.941	<0.001
GBP1	<0.001	0.955	0.581	0.235	<0.001
RAC2	<0.001	0.587	0.924	0.872	<0.001
PPIA	<0.001	0.588	0.931	0.893	<0.001
ARPC4	<0.001	0.717	0.783	0.593	<0.001
SNHG25	<0.001	-0.539	0.017	0.390	<0.001
AC007952.4	<0.001	-0.634	0.018	0.390	<0.001
CD52	<0.001	0.488	0.980	0.989	<0.001
SLC9A3R1	<0.001	0.764	0.712	0.446	<0.001
ITGB1	<0.001	0.778	0.771	0.438	<0.001
TMSB10	<0.001	0.345	0.999	1.000	<0.001
GABPB1-AS1	<0.001	-0.697	0.141	0.584	<0.001
UBA52	<0.001	-0.310	0.991	0.997	<0.001
PPIB	<0.001	0.645	0.845	0.710	<0.001
SERINC5	<0.001	-0.597	0.030	0.399	<0.001
S100A11	<0.001	0.722	0.835	0.630	<0.001
CD3G	<0.001	0.578	0.927	0.886	<0.001
EGR1	<0.001	-0.629	0.005	0.343	<0.001

ITGB7	<0.001	0.771	0.628	0.331	<0.001
OAZ1	<0.001	0.476	0.960	0.944	<0.001
CALR	<0.001	0.770	0.824	0.697	<0.001
GUK1	<0.001	0.631	0.833	0.704	<0.001
PPP2R5C	<0.001	0.662	0.866	0.744	<0.001
EIF3E	<0.001	-0.556	0.670	0.933	<0.001
SSBP4	<0.001	0.743	0.662	0.383	<0.001
HLA-DQA1	<0.001	0.714	0.340	0.031	<0.001
TMEM123	<0.001	-0.595	0.269	0.737	<0.001
ARPC1B	<0.001	0.630	0.862	0.756	<0.001
RUNX3	<0.001	0.790	0.641	0.353	<0.001
DUSP2	<0.001	1.004	0.704	0.417	<0.001
TXK	<0.001	-0.507	0.011	0.341	<0.001
PSMA7	<0.001	0.603	0.836	0.732	<0.001
KLRB1	<0.001	-1.653	0.078	0.436	<0.001
TTC38	<0.001	0.705	0.341	0.038	<0.001
FTH1	<0.001	0.456	0.989	0.990	<0.001
CES1	<0.001	0.727	0.298	0.016	<0.001
PATL2	<0.001	0.786	0.429	0.105	<0.001
ACTG1	<0.001	0.513	0.991	0.990	<0.001
PRKCA	<0.001	-0.468	0.009	0.323	<0.001
ZFAS1	<0.001	-0.564	0.445	0.841	<0.001
FTL	<0.001	0.433	0.988	0.984	<0.001
VAMP2	<0.001	0.569	0.868	0.798	<0.001
IER2	<0.001	-0.655	0.762	0.955	<0.001
C1orf162	<0.001	-0.529	0.029	0.355	<0.001
C6orf48	<0.001	-0.535	0.171	0.593	<0.001
TRBC1	<0.001	1.018	0.827	0.601	<0.001
EIF1AY	<0.001	-0.429	0.007	0.305	<0.001
SLC38A2	<0.001	-0.585	0.138	0.538	<0.001
PPP1CA	<0.001	0.599	0.796	0.666	<0.001
FOXP1	<0.001	-0.612	0.291	0.712	<0.001
SERTAD3	<0.001	0.664	0.314	0.037	<0.001
CYTOR	<0.001	0.695	0.497	0.170	<0.001
MYO1F	<0.001	0.644	0.719	0.446	<0.001
DGKA	<0.001	-0.513	0.066	0.419	<0.001
HLA-F	<0.001	0.600	0.822	0.715	<0.001
PASK	<0.001	-0.578	0.015	0.314	<0.001
ANXA1	<0.001	0.617	0.877	0.705	<0.001
ABI3	<0.001	0.702	0.427	0.124	<0.001
ID2	<0.001	0.866	0.672	0.410	<0.001
TMEM204	<0.001	-0.433	0.024	0.335	<0.001
C1orf21	<0.001	0.587	0.304	0.033	<0.001

ZNF683	<0.001	0.691	0.274	0.018	<0.001
NACA	<0.001	-0.291	0.990	0.995	<0.001
CCDC12	<0.001	0.680	0.594	0.347	<0.001
S1PR5	<0.001	0.650	0.340	0.057	<0.001
KIF19	<0.001	0.583	0.259	0.012	<0.001
PPP1R18	<0.001	0.677	0.670	0.455	<0.001
THEM4	<0.001	-0.450	0.029	0.338	<0.001
EEF2	<0.001	-0.406	0.833	0.971	<0.001
JUND	<0.001	0.527	0.969	0.970	<0.001
IDH2	<0.001	0.699	0.512	0.236	<0.001
YWHAQ	<0.001	0.640	0.720	0.549	<0.001
ATM	<0.001	-0.548	0.349	0.773	<0.001
SATB1	<0.001	-0.508	0.095	0.455	<0.001
TLE4	<0.001	-0.544	0.160	0.557	<0.001
BEX2	<0.001	-0.411	0.013	0.297	<0.001
TESPA1	<0.001	-0.459	0.051	0.376	<0.001
CD3E	<0.001	0.432	0.947	0.953	<0.001
ILF3-DT	<0.001	-0.569	0.210	0.613	<0.001
TRGC2	<0.001	0.688	0.588	0.246	<0.001
TGFB1	<0.001	0.618	0.763	0.615	<0.001
TAGLN2	<0.001	0.665	0.739	0.572	<0.001
TENT5C	<0.001	0.647	0.358	0.078	<0.001
ISG20	<0.001	0.642	0.789	0.693	<0.001
FGR	<0.001	0.623	0.339	0.064	<0.001
ADGRE5	<0.001	0.717	0.605	0.360	<0.001
MYOM2	<0.001	0.969	0.241	0.010	<0.001
CD8B	<0.001	1.100	0.509	0.218	<0.001
NELL2	<0.001	-0.454	0.002	0.259	<0.001
CD8A	<0.001	1.152	0.537	0.276	<0.001
FAM102A	<0.001	-0.439	0.067	0.395	<0.001
LDLRAP1	<0.001	-0.448	0.057	0.376	<0.001
S100A10	<0.001	0.511	0.909	0.849	<0.001
CD28	<0.001	-0.408	0.013	0.282	<0.001
MATK	<0.001	0.645	0.483	0.179	<0.001
GIMAP1	<0.001	-0.494	0.295	0.709	<0.001
TMEM50A	<0.001	0.604	0.666	0.495	<0.001
CD38	<0.001	0.602	0.254	0.021	<0.001
COX7C	<0.001	-0.379	0.837	0.972	<0.001
SYTL3	<0.001	0.649	0.395	0.120	<0.001
PSMB3	<0.001	0.583	0.680	0.522	<0.001
NPM1	<0.001	-0.377	0.895	0.973	<0.001
EIF4B	<0.001	-0.466	0.424	0.815	<0.001
NR4A1	<0.001	-0.436	0.004	0.252	<0.001

GNG5	<0.001	0.598	0.659	0.478	<0.001
GPR183	<0.001	-0.470	0.042	0.332	<0.001
INTS6	<0.001	-0.572	0.204	0.586	<0.001
JAML	<0.001	-0.426	0.035	0.320	<0.001
CIB1	<0.001	0.576	0.762	0.664	<0.001
ATP6V0E1	<0.001	0.502	0.802	0.752	<0.001
ACTN1	<0.001	-0.406	0.004	0.247	<0.001
IFIT3	<0.001	0.598	0.247	0.022	<0.001
GBP5	<0.001	0.709	0.547	0.278	<0.001
ARL6IP5	<0.001	0.537	0.795	0.729	<0.001
IL6R	<0.001	-0.375	0.003	0.236	<0.001
SUMO2	<0.001	0.434	0.889	0.875	<0.001
CARD16	<0.001	0.656	0.580	0.364	<0.001
CORO1B	<0.001	-0.479	0.106	0.434	<0.001
NOP53	<0.001	-0.386	0.755	0.959	<0.001
ATP1B3	<0.001	0.670	0.469	0.220	<0.001
PDIA3	<0.001	0.573	0.723	0.604	<0.001
GNLY	<0.001	1.634	0.431	0.154	<0.001
IFI35	<0.001	0.632	0.423	0.168	<0.001
CTLA4	<0.001	0.602	0.274	0.042	<0.001
GNAI2	<0.001	0.485	0.834	0.782	<0.001
CEBPB	<0.001	0.730	0.554	0.343	<0.001
KRTCAP2	<0.001	0.611	0.571	0.361	<0.001
RHOA	<0.001	0.498	0.809	0.749	<0.001
CD247	<0.001	0.529	0.792	0.703	<0.001
SORL1	<0.001	-0.456	0.172	0.536	<0.001
BRK1	<0.001	0.527	0.719	0.623	<0.001
OAS1	<0.001	0.561	0.303	0.063	<0.001
SNRPB	<0.001	0.538	0.707	0.593	<0.001
SARAF	<0.001	-0.383	0.793	0.957	<0.001
HMGB1	<0.001	0.412	0.934	0.935	<0.001
TSTD1	<0.001	-0.420	0.227	0.613	<0.001
CSKMT	<0.001	-0.416	0.029	0.282	<0.001
BHLHE40	<0.001	0.612	0.333	0.090	<0.001
SH3YL1	<0.001	-0.355	0.035	0.298	<0.001
SPINT2	<0.001	-0.318	0.002	0.220	<0.001
HNRNPDL	<0.001	0.470	0.852	0.825	<0.001
POMP	<0.001	0.565	0.639	0.489	<0.001
SLAMF7	<0.001	0.520	0.294	0.059	<0.001
PARP9	<0.001	0.635	0.378	0.130	<0.001
OXNAD1	<0.001	-0.397	0.090	0.398	<0.001
TMEM63A	<0.001	-0.392	0.075	0.372	<0.001
JPT1	<0.001	0.603	0.537	0.320	<0.001

APMAP	<0.001	0.586	0.489	0.245	<0.001
TXN	<0.001	0.565	0.621	0.437	<0.001
COX8A	<0.001	0.517	0.733	0.647	<0.001
ASCL2	<0.001	0.519	0.228	0.025	<0.001
BCL11B	<0.001	-0.463	0.295	0.664	<0.001
GIMAP7	<0.001	-0.401	0.625	0.914	<0.001
MTO1	<0.001	-0.405	0.041	0.291	<0.001
IRF7	<0.001	0.607	0.381	0.147	<0.001
ARF5	<0.001	0.586	0.448	0.224	<0.001
AIF1	<0.001	-0.424	0.028	0.262	<0.001
SAP18	<0.001	0.468	0.758	0.696	<0.001
YWHAB	<0.001	0.450	0.868	0.838	<0.001
BCL2	<0.001	-0.418	0.101	0.396	<0.001
TAP2	<0.001	0.558	0.371	0.135	<0.001
YME1L1	<0.001	-0.457	0.263	0.622	<0.001
DEFA3	<0.001	0.619	0.163	0.000	<0.001
CYCS	<0.001	0.498	0.700	0.570	<0.001
FHIT	<0.001	-0.369	0.002	0.201	<0.001
PRR13	<0.001	0.531	0.698	0.606	<0.001
TUBA4A	<0.001	0.604	0.655	0.523	<0.001
FBXO6	<0.001	0.498	0.262	0.052	<0.001
RETREG1	<0.001	-0.304	0.003	0.198	<0.001
ITGA6	<0.001	-0.308	0.008	0.211	<0.001
UTY	<0.001	-0.288	0.000	0.192	<0.001
TTC39C	<0.001	-0.400	0.132	0.440	<0.001
BTG2	<0.001	-0.523	0.357	0.695	<0.001
HSPA5	<0.001	0.595	0.662	0.525	<0.001
BSG	<0.001	0.558	0.546	0.357	<0.001
JUN	<0.001	-0.371	0.872	0.981	<0.001
GADD45B	<0.001	-0.473	0.238	0.588	<0.001
SCAND1	<0.001	0.543	0.609	0.470	<0.001
HEXIM1	<0.001	-0.384	0.063	0.323	<0.001
SELENOW	<0.001	0.531	0.672	0.551	<0.001
DRAP1	<0.001	0.507	0.693	0.589	<0.001
PLEKHF1	<0.001	0.568	0.331	0.106	<0.001
GRAMD1A	<0.001	-0.345	0.076	0.348	<0.001
ATP5MC2	<0.001	0.388	0.893	0.894	<0.001
HCLS1	<0.001	0.519	0.672	0.558	<0.001
PBXIP1	<0.001	-0.405	0.189	0.522	<0.001
RBM38	<0.001	0.616	0.482	0.275	<0.001
SLFN5	<0.001	-0.411	0.225	0.570	<0.001
CAMK4	<0.001	-0.374	0.113	0.406	<0.001
MSN	<0.001	0.541	0.705	0.610	<0.001

GPX4	<0.001	-0.395	0.408	0.770	<0.001
CALM2	<0.001	0.459	0.783	0.749	<0.001
GBP4	<0.001	0.619	0.441	0.219	<0.001
INPP4B	<0.001	-0.392	0.097	0.376	<0.001
ETV7	<0.001	0.392	0.175	0.009	<0.001
AC013264.1	<0.001	-0.313	0.007	0.200	<0.001
DOK2	<0.001	0.561	0.587	0.392	<0.001
TNFRSF25	<0.001	-0.360	0.107	0.396	<0.001
TPI1	<0.001	0.493	0.705	0.604	<0.001
MAP3K8	<0.001	0.515	0.243	0.045	<0.001
RAN	<0.001	0.438	0.774	0.719	<0.001
MYO1G	<0.001	0.564	0.598	0.430	<0.001
HINT1	<0.001	-0.333	0.794	0.955	<0.001
TESC	<0.001	0.432	0.223	0.035	<0.001
GSTP1	<0.001	0.548	0.610	0.454	<0.001
SELENOK	<0.001	0.522	0.589	0.429	<0.001
TBX21	<0.001	0.482	0.265	0.060	<0.001
PTPRC	<0.001	0.319	0.962	0.978	<0.001
ARF1	<0.001	0.464	0.713	0.631	<0.001
MGST3	<0.001	0.517	0.566	0.396	<0.001
CASP1	<0.001	0.586	0.518	0.321	<0.001
ATG2A	<0.001	0.606	0.392	0.173	<0.001
TMBIM6	<0.001	0.434	0.808	0.770	<0.001
GPR155	<0.001	-0.376	0.040	0.265	<0.001
EVL	<0.001	0.362	0.924	0.931	<0.001
COX6A1	<0.001	0.452	0.754	0.703	<0.001
PABPC4	<0.001	-0.330	0.092	0.366	<0.001
ANXA2	<0.001	0.531	0.614	0.412	<0.001
PSMB6	<0.001	0.501	0.533	0.363	<0.001
AC004687.1	<0.001	-0.412	0.133	0.426	<0.001
STT3B	<0.001	-0.346	0.162	0.480	<0.001
CD70	<0.001	0.450	0.175	0.012	<0.001
TSPYL2	<0.001	-0.344	0.113	0.395	<0.001
PSMB2	<0.001	0.531	0.495	0.307	<0.001
TPST2	<0.001	0.520	0.426	0.203	<0.001
REEP5	<0.001	0.522	0.555	0.386	<0.001
CHRM3-AS2	<0.001	-0.296	0.009	0.195	<0.001
TSHZ2	<0.001	-0.357	0.001	0.176	<0.001
SEPTIN7	<0.001	0.430	0.824	0.805	<0.001
TMEM238	<0.001	-0.315	0.081	0.340	<0.001
BEX4	<0.001	-0.279	0.039	0.262	<0.001
GNAQ	<0.001	-0.286	0.003	0.178	<0.001
PPP1R10	<0.001	-0.375	0.215	0.549	<0.001

ACTN4	<0.001	0.545	0.518	0.317	<0.001
COTL1	<0.001	0.534	0.757	0.668	<0.001
SUSD3	<0.001	-0.300	0.079	0.335	<0.001
SCGB3A1	<0.001	-0.284	0.001	0.171	<0.001
RGS10	<0.001	-0.393	0.324	0.669	<0.001
PDE7A	<0.001	-0.363	0.163	0.467	<0.001
ABLIM1	<0.001	-0.311	0.064	0.306	<0.001
TRIR	<0.001	0.411	0.831	0.817	<0.001
PSMB1	<0.001	0.444	0.718	0.674	<0.001
ATP5MC3	<0.001	0.445	0.708	0.641	<0.001
IGKC	<0.001	-0.293	0.012	0.197	<0.001
LST1	<0.001	-0.320	0.025	0.225	<0.001
NDUFB10	<0.001	0.466	0.642	0.535	<0.001
SLC7A6	<0.001	-0.283	0.028	0.234	<0.001
NEAT1	<0.001	0.411	0.939	0.910	<0.001
BTN3A2	<0.001	0.506	0.662	0.540	<0.001
HLA-DMA	<0.001	0.555	0.317	0.112	<0.001
NDFIP1	<0.001	-0.360	0.292	0.644	<0.001
PTPN7	<0.001	0.589	0.540	0.353	<0.001
DYNLT1	<0.001	0.545	0.447	0.250	<0.001
BATF	<0.001	0.527	0.376	0.165	<0.001
BEX3	<0.001	-0.262	0.008	0.185	<0.001
MX1	<0.001	0.590	0.386	0.178	<0.001
CYTIP	<0.001	0.526	0.661	0.568	<0.001
MIEN1	<0.001	0.541	0.436	0.241	<0.001
HOPX	<0.001	0.550	0.562	0.312	<0.001
SSBP3	<0.001	0.563	0.392	0.185	<0.001
CD7	<0.001	-0.358	0.355	0.706	<0.001
IER5	<0.001	-0.405	0.166	0.463	<0.001
BPGM	<0.001	0.491	0.270	0.075	<0.001
ANXA6	<0.001	0.479	0.675	0.578	<0.001
LCK	<0.001	0.387	0.844	0.847	<0.001
AC114760.2	<0.001	-0.340	0.113	0.386	<0.001
DYNLL1	<0.001	0.583	0.625	0.517	<0.001
SAMD9L	<0.001	0.542	0.372	0.162	<0.001
TNFSF9	<0.001	0.369	0.147	0.005	<0.001
SP110	<0.001	0.536	0.593	0.450	<0.001
RAB5IF	<0.001	0.537	0.458	0.272	<0.001
NABP1	<0.001	-0.333	0.068	0.304	<0.001
PFDN5	<0.001	-0.251	0.942	0.989	<0.001
XCL2	<0.001	0.706	0.185	0.023	<0.001
SRSF8	<0.001	-0.310	0.129	0.415	<0.001
LINC02384	<0.001	0.346	0.147	0.005	<0.001

UQCRB	<0.001	-0.295	0.865	0.968	<0.001
CITED2	<0.001	-0.366	0.133	0.413	<0.001
SDR42E2	<0.001	-0.287	0.017	0.202	<0.001
STOM	<0.001	0.529	0.427	0.222	<0.001
ARMH1	<0.001	-0.311	0.021	0.210	<0.001
GSTK1	<0.001	0.428	0.802	0.757	<0.001
PSMD8	<0.001	0.466	0.608	0.490	<0.001
TMEM59	<0.001	0.456	0.691	0.623	<0.001
MIAT	<0.001	0.528	0.378	0.162	<0.001
ARPC5L	<0.001	0.493	0.556	0.393	<0.001
CD320	<0.001	0.602	0.391	0.198	<0.001
PAG1	<0.001	-0.354	0.172	0.470	<0.001
MAP3K1	<0.001	-0.295	0.047	0.260	<0.001
PTMS	<0.001	0.524	0.213	0.040	<0.001
ARRDC3	<0.001	-0.307	0.056	0.277	<0.001
MAML2	<0.001	-0.297	0.049	0.263	<0.001
SOCS3	<0.001	-0.296	0.052	0.269	<0.001
PRTN3	<0.001	0.339	0.127	0.000	<0.001
PATJ	<0.001	-0.257	0.009	0.177	<0.001
HIST1H2BG	<0.001	-0.324	0.015	0.188	<0.001
ADAM8	<0.001	0.520	0.381	0.183	<0.001
RABAC1	<0.001	0.477	0.637	0.540	<0.001
CDC42	<0.001	0.381	0.861	0.853	<0.001
MRPL10	<0.001	0.508	0.340	0.146	<0.001
ADAR	<0.001	0.516	0.571	0.437	<0.001
EIF3L	<0.001	-0.340	0.489	0.806	<0.001
LINC01550	<0.001	-0.275	0.029	0.217	<0.001
CAP1	<0.001	0.449	0.740	0.701	<0.001
SPCS2	<0.001	0.435	0.660	0.584	<0.001
MIR4435-2HG	<0.001	0.409	0.250	0.065	<0.001
AOAH	<0.001	0.419	0.207	0.040	<0.001
PLP2	<0.001	-0.329	0.173	0.460	<0.001
NEDD8	<0.001	0.415	0.714	0.684	<0.001
MXD4	<0.001	0.541	0.444	0.261	<0.001
WDR83OS	<0.001	0.460	0.605	0.497	<0.001
ETS1	<0.001	-0.364	0.433	0.754	<0.001
RAB5C	<0.001	0.478	0.512	0.365	<0.001
MEPCE	<0.001	-0.267	0.038	0.232	<0.001
TBCB	<0.001	0.487	0.534	0.388	<0.001
MIF	<0.001	0.514	0.511	0.365	<0.001
ZFP36L1	<0.001	-0.341	0.259	0.573	<0.001
CD44	<0.001	-0.330	0.456	0.788	<0.001
COX5A	<0.001	0.446	0.591	0.481	<0.001

HIGD2A	<0.001	0.473	0.668	0.596	<0.001
NAPA	<0.001	0.497	0.385	0.201	<0.001
VPS37B	<0.001	0.491	0.313	0.124	<0.001
HELB	<0.001	-0.287	0.070	0.289	<0.001
RSL1D1	<0.001	-0.330	0.263	0.586	<0.001
BAX	<0.001	0.567	0.543	0.412	<0.001
DCTN3	<0.001	0.470	0.508	0.368	<0.001
CYLD	<0.001	-0.355	0.288	0.605	<0.001
ZBP1	<0.001	0.461	0.290	0.104	<0.001
PHACTR2	<0.001	-0.363	0.099	0.330	<0.001
MBNL1	<0.001	-0.333	0.429	0.763	<0.001
UBE2L3	<0.001	0.460	0.584	0.485	<0.001
AC245014.3	<0.001	-0.296	0.033	0.215	<0.001
RIC3	<0.001	-0.266	0.030	0.212	<0.001
GNB2	<0.001	0.486	0.542	0.411	<0.001
DAZAP2	<0.001	0.437	0.692	0.638	<0.001
NCK2	<0.001	-0.309	0.212	0.520	<0.001
ARHGAP10	<0.001	0.451	0.230	0.061	<0.001
AC103702.2	<0.001	0.289	0.123	0.003	<0.001
SH2D2A	<0.001	0.496	0.346	0.160	<0.001
MDFIC	<0.001	-0.285	0.097	0.335	<0.001
SVIP	<0.001	-0.285	0.132	0.394	<0.001
DUSP5	<0.001	0.442	0.201	0.042	<0.001
PDCD1	<0.001	0.382	0.175	0.027	<0.001
ERAP2	<0.001	-0.273	0.110	0.356	<0.001
CCND3	<0.001	0.424	0.741	0.696	<0.001
SAMSN1	<0.001	0.516	0.379	0.198	<0.001
SESN3	<0.001	-0.259	0.010	0.161	<0.001
CDC14A	<0.001	-0.298	0.129	0.384	<0.001
SRSF9	<0.001	0.437	0.653	0.589	<0.001
HAVCR2	<0.001	0.340	0.147	0.014	<0.001
TNFRSF1B	<0.001	0.498	0.428	0.245	<0.001
TRBC2	<0.001	0.879	0.767	0.821	<0.001
HIVEP2	<0.001	-0.254	0.028	0.200	<0.001
SNHG8	<0.001	-0.338	0.404	0.725	<0.001
SUPT4H1	<0.001	0.491	0.453	0.288	<0.001
TRAPPC1	<0.001	0.429	0.640	0.557	<0.001
EDF1	<0.001	0.341	0.825	0.840	<0.001
CD300A	<0.001	0.494	0.333	0.148	<0.001
IFNG	<0.001	0.478	0.174	0.028	<0.001
GNG2	<0.001	0.493	0.443	0.275	<0.001
CHMP7	<0.001	-0.262	0.068	0.276	<0.001
NCF1	<0.001	-0.255	0.056	0.254	<0.001

JMJD6	<0.001	0.476	0.306	0.130	<0.001
PYCARD	<0.001	0.500	0.455	0.296	<0.001
HNRNPA3	<0.001	0.399	0.768	0.741	<0.001
SNHG9	<0.001	-0.300	0.092	0.314	<0.001
KCNQ1OT1	<0.001	-0.251	0.036	0.214	<0.001
DBP	<0.001	-0.253	0.065	0.269	<0.001
CHST11	<0.001	0.455	0.316	0.139	<0.001
IQGAP2	<0.001	0.511	0.480	0.326	<0.001
CDK2AP2	<0.001	0.512	0.470	0.312	<0.001
DYNLRB1	<0.001	0.433	0.586	0.487	<0.001
ARHGDIA	<0.001	0.446	0.618	0.539	<0.001
VAMP8	<0.001	0.412	0.689	0.668	<0.001
AES	<0.001	0.301	0.927	0.952	<0.001
TMEM179B	<0.001	0.471	0.395	0.229	<0.001
EIF2AK2	<0.001	0.532	0.409	0.240	<0.001
SPN	<0.001	0.501	0.519	0.377	<0.001
COX5B	<0.001	0.372	0.753	0.750	<0.001
TRMT112	<0.001	0.405	0.682	0.634	<0.001
TTC3	<0.001	-0.287	0.235	0.527	<0.001
SHISA5	<0.001	0.487	0.497	0.356	<0.001
TUBA1B	<0.001	0.448	0.693	0.628	<0.001
F2R	<0.001	0.355	0.172	0.032	<0.001
USP18	<0.001	0.345	0.178	0.036	<0.001
AL627171.1	<0.001	-0.272	0.047	0.227	<0.001
AC020916.1	<0.001	0.457	0.207	0.054	<0.001
WDR74	<0.001	-0.264	0.099	0.322	<0.001
PDE3B	<0.001	-0.264	0.092	0.308	<0.001
PAXX	<0.001	0.437	0.611	0.511	<0.001
NAP1L1	<0.001	-0.317	0.484	0.779	<0.001
RCSD1	<0.001	-0.277	0.241	0.541	<0.001
ACOT7	<0.001	0.338	0.168	0.030	<0.001
MSC	<0.001	0.278	0.124	0.009	<0.001
PRDM1	<0.001	0.486	0.409	0.224	<0.001
BIRC3	<0.001	-0.305	0.118	0.346	<0.001
IL6ST	<0.001	-0.261	0.075	0.275	<0.001
CSK	<0.001	0.442	0.577	0.479	<0.001
SAP30	<0.001	0.390	0.214	0.060	<0.001
RFLNB	<0.001	-0.267	0.117	0.345	<0.001
ATP8A1	<0.001	0.414	0.250	0.088	<0.001
RAC1	<0.001	0.424	0.616	0.530	<0.001
LINC00861	<0.001	-0.316	0.204	0.473	<0.001
OSTF1	<0.001	0.445	0.567	0.466	<0.001
RAB37	<0.001	0.441	0.311	0.139	<0.001

ATP8B2	<0.001	-0.263	0.087	0.293	<0.001
EBP	<0.001	0.457	0.368	0.207	<0.001
ATP6V0B	<0.001	0.435	0.491	0.364	<0.001
GLIPR2	<0.001	0.478	0.420	0.264	<0.001
PARK7	<0.001	0.358	0.732	0.728	<0.001
CYB561D2	<0.001	0.448	0.339	0.173	<0.001
FABP5	<0.001	0.451	0.270	0.107	<0.001
PDLIM1	<0.001	0.320	0.144	0.020	<0.001
SNHG7	<0.001	-0.275	0.180	0.438	<0.001
LRRFIP1	<0.001	0.404	0.721	0.688	<0.001
GTF3C1	<0.001	0.438	0.250	0.091	<0.001
ARL6IP1	<0.001	0.469	0.474	0.342	<0.001
IFRD1	<0.001	-0.269	0.151	0.391	<0.001
CSNK1D	<0.001	0.478	0.395	0.237	<0.001
LDHA	<0.001	0.383	0.736	0.703	<0.001
TGFBR3	<0.001	0.392	0.224	0.071	<0.001
POU2F2	<0.001	-0.283	0.102	0.308	<0.001
MFSD10	<0.001	0.471	0.413	0.261	<0.001
AC008105.3	<0.001	-0.262	0.108	0.321	<0.001
ITGAL	<0.001	0.460	0.495	0.362	<0.001
LPAR6	<0.001	-0.275	0.052	0.221	<0.001
PGAM1	<0.001	0.417	0.566	0.478	<0.001
SLC2A3	<0.001	-0.399	0.391	0.658	<0.001
CD37	<0.001	0.325	0.859	0.886	<0.001
FERMT3	<0.001	0.434	0.517	0.405	<0.001
RHBDF2	<0.001	0.397	0.237	0.087	<0.001
CTSD	<0.001	0.453	0.518	0.410	<0.001
SIT1	<0.001	0.433	0.491	0.365	<0.001
BIN2	<0.001	0.401	0.677	0.634	<0.001
ZC3HAV1	<0.001	-0.271	0.314	0.607	<0.001
DENND3	<0.001	0.326	0.165	0.037	<0.001
PIK3IP1	<0.001	-0.308	0.367	0.654	<0.001
DDX17	<0.001	-0.300	0.569	0.851	<0.001
RAB29	<0.001	0.459	0.420	0.266	<0.001
AMD1	<0.001	-0.250	0.200	0.459	<0.001
VAMP5	<0.001	0.463	0.495	0.386	<0.001
FYN	<0.001	0.387	0.685	0.644	<0.001
B4GALT5	<0.001	0.335	0.172	0.042	<0.001
RSRP1	<0.001	-0.282	0.530	0.816	<0.001
H2AFZ	<0.001	0.378	0.681	0.650	<0.001
GAB3	<0.001	0.388	0.252	0.099	<0.001
CCL3	<0.001	0.543	0.137	0.022	<0.001
EIF4A2	<0.001	-0.255	0.662	0.899	<0.001

MAP2K2	<0.001	0.420	0.535	0.446	<0.001
PTPRE	<0.001	0.452	0.308	0.152	<0.001
WDR1	<0.001	0.421	0.560	0.480	<0.001
FAM49B	<0.001	0.393	0.641	0.603	<0.001
GABARAPL1	<0.001	0.436	0.274	0.122	<0.001
PHPT1	<0.001	0.469	0.395	0.252	<0.001
CHMP2A	<0.001	0.413	0.483	0.373	<0.001
GFI1	<0.001	0.297	0.153	0.032	<0.001
RALY	<0.001	0.420	0.497	0.389	<0.001
NDUFB11	<0.001	0.368	0.672	0.644	<0.001
PLA2G16	<0.001	0.404	0.280	0.127	<0.001
ZBTB38	<0.001	0.438	0.374	0.221	<0.001
AGTRAP	<0.001	0.415	0.307	0.158	<0.001
PDIA6	<0.001	0.436	0.488	0.378	<0.001
DUSP4	<0.001	0.299	0.119	0.015	<0.001
BCAP31	<0.001	0.394	0.517	0.425	<0.001
RIPOR2	<0.001	-0.271	0.556	0.825	<0.001
LLGL2	<0.001	0.386	0.266	0.117	<0.001
LUC7L3	<0.001	-0.269	0.396	0.693	<0.001
OSM	<0.001	0.339	0.141	0.028	<0.001
ARF6	<0.001	0.387	0.635	0.581	<0.001
ECH1	<0.001	0.400	0.511	0.427	<0.001
TRIM22	<0.001	0.458	0.455	0.337	<0.001
FAM96B	<0.001	0.389	0.514	0.435	<0.001
SELENOS	<0.001	0.446	0.414	0.282	<0.001
EMC7	<0.001	0.401	0.395	0.267	<0.001
LYAR	<0.001	0.358	0.587	0.411	<0.001
ZAP70	<0.001	0.420	0.545	0.467	<0.001
COX6B1	<0.001	0.307	0.794	0.823	<0.001
SP100	<0.001	0.415	0.586	0.532	<0.001
ATP5F1C	<0.001	0.392	0.542	0.482	<0.001
TSPAN2	<0.001	0.275	0.132	0.024	<0.001
EZR	<0.001	0.438	0.539	0.445	<0.001
FKBP8	<0.001	0.378	0.594	0.543	<0.001
OTUB1	<0.001	0.429	0.410	0.282	<0.001
NKTR	<0.001	-0.280	0.408	0.699	<0.001
PTTG1	<0.001	0.330	0.185	0.058	<0.001
CCNL1	<0.001	-0.259	0.481	0.766	<0.001
BTG3	<0.001	0.380	0.241	0.103	<0.001
AL136295.5	<0.001	0.314	0.165	0.045	<0.001
SOD1	<0.001	0.328	0.755	0.767	<0.001
ATP5PF	<0.001	0.328	0.663	0.643	<0.001
ACAP1	<0.001	-0.253	0.570	0.847	<0.001

AC044849.1	<0.001	0.450	0.373	0.226	<0.001
PRELID1	<0.001	0.370	0.611	0.576	<0.001
STAT3	<0.001	0.395	0.554	0.477	<0.001
NFIL3	<0.001	0.269	0.123	0.021	<0.001
SLC7A5	<0.001	0.287	0.134	0.026	<0.001
SRRM2	<0.001	0.346	0.735	0.744	<0.001
ENO1	<0.001	0.312	0.758	0.769	<0.001
PRDX5	<0.001	0.388	0.515	0.435	<0.001
RBM8A	<0.001	0.380	0.571	0.515	<0.001
ANXA5	<0.001	0.445	0.440	0.320	<0.001
RNPEPL1	<0.001	0.390	0.507	0.414	<0.001
SEC61B	<0.001	0.339	0.673	0.638	<0.001
CDKN2A	<0.001	0.294	0.144	0.032	<0.001
JTB	<0.001	0.356	0.636	0.618	<0.001
RAB27A	<0.001	0.412	0.379	0.242	<0.001
ENSA	<0.001	0.413	0.503	0.419	<0.001
PDE4B	<0.001	0.457	0.282	0.144	<0.001
SDF2L1	<0.001	0.437	0.381	0.255	<0.001
RASSF1	<0.001	0.414	0.384	0.250	<0.001
ATP5IF1	<0.001	0.332	0.678	0.678	<0.001
CISD3	<0.001	0.400	0.324	0.189	<0.001
PGK1	<0.001	0.345	0.648	0.633	<0.001
C11orf21	<0.001	0.354	0.214	0.085	<0.001
SCP2	<0.001	0.398	0.506	0.437	<0.001
LAMTOR1	<0.001	0.385	0.498	0.422	<0.001
HELZ2	<0.001	0.353	0.209	0.081	<0.001
PUF60	<0.001	0.378	0.462	0.373	<0.001
SKAP1	<0.001	0.384	0.574	0.521	<0.001
CD160	<0.001	0.344	0.179	0.055	<0.001
ATP6V1F	<0.001	0.375	0.525	0.474	<0.001
BRD2	<0.001	-0.265	0.318	0.574	<0.001
CREM	<0.001	0.387	0.226	0.096	<0.001
PTGDS	<0.001	0.319	0.136	0.031	<0.001
SELPLG	<0.001	0.425	0.460	0.362	<0.001
COPE	<0.001	0.354	0.609	0.581	<0.001
TADA3	<0.001	0.383	0.367	0.241	<0.001
MBP	<0.001	0.374	0.569	0.501	<0.001
YWHAZ	<0.001	0.310	0.754	0.774	<0.001
MRPL54	<0.001	0.396	0.457	0.355	<0.001
AC012615.1	<0.001	0.331	0.175	0.057	<0.001
NFATC2	<0.001	0.401	0.309	0.174	<0.001
PPP2R2B	<0.001	0.303	0.175	0.057	<0.001
PYHIN1	<0.001	0.376	0.408	0.272	<0.001

DNAJB6	<0.001	0.414	0.472	0.392	<0.001
ASNA1	<0.001	0.375	0.310	0.181	<0.001
PSMA4	<0.001	0.398	0.477	0.394	<0.001
PPP4C	<0.001	0.384	0.445	0.355	<0.001
STX11	<0.001	0.261	0.135	0.032	<0.001
USP28	<0.001	0.306	0.184	0.063	<0.001
AKNA	<0.001	0.385	0.576	0.526	<0.001
RHOG	<0.001	0.382	0.485	0.402	<0.001
SH3BGRL	<0.001	0.351	0.581	0.551	<0.001
PSMA5	<0.001	0.364	0.554	0.507	<0.001
HSD17B10	<0.001	0.390	0.356	0.242	<0.001
GZMK	<0.001	-0.264	0.120	0.291	<0.001
SNU13	<0.001	0.327	0.620	0.615	<0.001
MAD1L1	<0.001	0.414	0.345	0.223	<0.001
BLOC1S1	<0.001	0.394	0.516	0.449	<0.001
AP2S1	<0.001	0.363	0.449	0.360	<0.001
SLA	<0.001	0.433	0.412	0.299	<0.001
NDUFA11	<0.001	0.349	0.603	0.589	<0.001
DNAJC1	<0.001	0.373	0.327	0.192	<0.001
RGS19	<0.001	0.395	0.440	0.332	<0.001
ATP5F1B	<0.001	0.349	0.595	0.570	<0.001
RNF7	<0.001	0.375	0.483	0.412	<0.001
PRR5L	<0.001	0.254	0.138	0.035	<0.001
ADRM1	<0.001	0.378	0.385	0.275	<0.001
GBP2	<0.001	0.403	0.488	0.392	<0.001
UBE2M	<0.001	0.364	0.446	0.361	<0.001
HNRNPK	<0.001	0.290	0.797	0.826	<0.001
TSEN54	<0.001	0.369	0.317	0.189	<0.001
CEP78	<0.001	0.390	0.253	0.123	<0.001
CCNDBP1	<0.001	0.391	0.495	0.419	<0.001
TSPAN32	<0.001	0.364	0.275	0.144	<0.001
TNFRSF14	<0.001	0.377	0.519	0.454	<0.001
MAP1LC3B	<0.001	0.378	0.508	0.445	<0.001
TNF	<0.001	-0.334	0.043	0.164	<0.001
UCP2	<0.001	0.390	0.660	0.650	<0.001
WARS	<0.001	0.310	0.155	0.049	<0.001
RNF181	<0.001	0.379	0.383	0.277	<0.001
RNF167	<0.001	0.393	0.400	0.293	<0.001
MDH2	<0.001	0.365	0.505	0.453	<0.001
MTPN	<0.001	0.393	0.445	0.355	<0.001
LMAN2	<0.001	0.362	0.498	0.431	<0.001
CAPZB	<0.001	0.293	0.732	0.744	<0.001
F8A1	<0.001	0.369	0.278	0.157	<0.001

ATP5MF	<0.001	0.326	0.604	0.603	<0.001
SASH3	<0.001	0.385	0.374	0.259	<0.001
RBM39	<0.001	0.300	0.769	0.802	<0.001
MED10	<0.001	0.355	0.522	0.482	<0.001
FMNL1	<0.001	0.333	0.636	0.620	<0.001
KLF3	<0.001	0.439	0.448	0.356	<0.001
KIF5B	<0.001	0.368	0.460	0.381	<0.001
PFKP	<0.001	0.379	0.280	0.160	<0.001
PRDX1	<0.001	0.345	0.586	0.566	<0.001
STARD3NL	<0.001	0.349	0.209	0.092	<0.001
MRFAP1	<0.001	0.385	0.444	0.361	<0.001
HIVEP3	<0.001	0.316	0.182	0.071	<0.001
GLUL	<0.001	0.351	0.245	0.124	<0.001
UBL5	<0.001	0.264	0.769	0.812	<0.001
VTI1B	<0.001	0.367	0.286	0.166	<0.001
IFI44	<0.001	0.355	0.227	0.109	<0.001
TMEM208	<0.001	0.357	0.303	0.188	<0.001
NPDC1	<0.001	0.383	0.273	0.150	<0.001
UBE2N	<0.001	0.356	0.462	0.400	<0.001
LPCAT1	<0.001	0.338	0.250	0.127	<0.001
CAPNS1	<0.001	0.374	0.470	0.396	<0.001
NDUFB2	<0.001	0.330	0.627	0.635	<0.001
SRPK2	<0.001	0.373	0.381	0.277	<0.001
SNRPG	<0.001	0.350	0.524	0.487	<0.001
ERH	<0.001	0.329	0.558	0.541	<0.001
RNPS1	<0.001	0.370	0.513	0.459	<0.001
ALYREF	<0.001	0.367	0.308	0.196	<0.001
CD6	<0.001	0.374	0.564	0.528	<0.001
ARL8A	<0.001	0.345	0.257	0.141	<0.001
NDUFB9	<0.001	0.341	0.547	0.515	<0.001
SF3B6	<0.001	0.312	0.528	0.494	<0.001
COX17	<0.001	0.392	0.391	0.299	<0.001
LIMD2	<0.001	0.272	0.844	0.896	<0.001
SUMO1	<0.001	0.317	0.546	0.538	<0.001
SHKBP1	<0.001	0.362	0.332	0.224	<0.001
VDAC3	<0.001	0.355	0.416	0.330	<0.001
SFT2D1	<0.001	0.356	0.330	0.223	<0.001
EIF1AX	<0.001	0.370	0.500	0.443	<0.001
PPP1R7	<0.001	0.342	0.429	0.346	<0.001
PCMT1	<0.001	0.354	0.400	0.314	<0.001
SCAMP2	<0.001	0.373	0.368	0.266	<0.001
TXNL4A	<0.001	0.363	0.437	0.366	<0.001
RHOF	<0.001	0.349	0.497	0.437	<0.001

SYNE1	<0.001	0.365	0.455	0.369	<0.001
SYNE2	<0.001	0.338	0.636	0.581	<0.001
TALDO1	<0.001	0.328	0.468	0.414	<0.001
MCOLN2	<0.001	0.263	0.146	0.049	<0.001
RRP7A	<0.001	0.341	0.257	0.145	<0.001
SRI	<0.001	0.354	0.478	0.433	<0.001
CLTB	<0.001	0.341	0.375	0.284	<0.001
TMEM273	<0.001	0.257	0.143	0.048	<0.001
REC8	<0.001	0.276	0.154	0.057	<0.001
GTF3C6	<0.001	0.352	0.382	0.297	<0.001
DSTN	<0.001	0.360	0.513	0.461	<0.001
LAMTOR5	<0.001	0.318	0.479	0.433	<0.001
CAPN2	<0.001	0.351	0.476	0.410	<0.001
APOL6	<0.001	0.385	0.377	0.280	<0.001
EMD	<0.001	0.347	0.320	0.219	<0.001
ACTR3	<0.001	0.298	0.679	0.700	<0.001
NDUFA13	<0.001	0.336	0.510	0.487	<0.001
SELENOT	<0.001	0.327	0.455	0.398	<0.001
FOSL2	<0.001	0.326	0.215	0.109	<0.001
PLEKHA2	<0.001	0.333	0.238	0.131	<0.001
NFKBIA	<0.001	0.480	0.565	0.534	<0.001
TMCO1	<0.001	0.345	0.436	0.370	<0.001
FBXW5	<0.001	0.353	0.450	0.390	<0.001
MIDN	<0.001	0.375	0.435	0.354	<0.001
SERTAD1	<0.001	0.373	0.306	0.206	<0.001
NLRC5	<0.001	0.354	0.423	0.345	<0.001
NCR3	<0.001	-0.283	0.055	0.160	<0.001
LGALS9	<0.001	0.289	0.192	0.091	<0.001
SYAP1	<0.001	0.328	0.251	0.146	<0.001
TUBA1C	<0.001	0.306	0.202	0.101	<0.001
MAGOH	<0.001	0.315	0.464	0.426	<0.001
TMEM9B	<0.001	0.331	0.351	0.263	<0.001
RBCK1	<0.001	0.369	0.404	0.329	<0.001
HSPB11	<0.001	0.343	0.328	0.234	<0.001
COPS6	<0.001	0.324	0.429	0.368	<0.001
VOPP1	<0.001	0.348	0.316	0.217	<0.001
NDUFB8	<0.001	0.296	0.593	0.604	<0.001
SMIM29	<0.001	0.291	0.206	0.106	<0.001
BCL7B	<0.001	0.325	0.280	0.180	<0.001
CLEC2D	<0.001	0.283	0.693	0.703	<0.001
SCAMP4	<0.001	0.303	0.200	0.101	<0.001
AURKAIP1	<0.001	0.313	0.481	0.446	<0.001
RNF166	<0.001	0.340	0.437	0.372	<0.001

TMEM173	<0.001	0.352	0.421	0.352	<0.001
BUB3	<0.001	0.314	0.520	0.500	<0.001
FUNDC2	<0.001	0.333	0.328	0.241	<0.001
CCDC107	<0.001	0.314	0.433	0.364	<0.001
XRCC5	<0.001	0.288	0.593	0.602	<0.001
SNRPD3	<0.001	0.330	0.489	0.452	<0.001
YPEL5	<0.001	0.373	0.460	0.403	<0.001
NDUFS7	<0.001	0.316	0.432	0.374	<0.001
MAPKAPK2	<0.001	0.318	0.269	0.169	<0.001
VPS26B	<0.001	0.314	0.256	0.157	<0.001
HERPUD1	<0.001	0.446	0.469	0.428	<0.001
AKR1B1	<0.001	0.327	0.329	0.241	<0.001
ACAA2	<0.001	0.312	0.300	0.203	<0.001
AP2M1	<0.001	0.310	0.491	0.454	<0.001
SF3B2	<0.001	0.308	0.523	0.504	<0.001
TCTEX1D2	<0.001	0.265	0.155	0.066	<0.001
RASAL3	<0.001	0.330	0.444	0.386	<0.001
POLR2G	<0.001	0.304	0.397	0.328	<0.001
PXN	<0.001	0.307	0.276	0.176	<0.001
PRKCB	<0.001	0.350	0.484	0.432	<0.001
ZFP36L2	<0.001	0.346	0.892	0.939	<0.001
EIF6	<0.001	0.325	0.363	0.290	<0.001
RAP1GAP2	<0.001	0.255	0.167	0.076	<0.001
BTN3A1	<0.001	0.329	0.318	0.228	<0.001
MYDGF	<0.001	0.311	0.389	0.320	<0.001
CD69	<0.001	0.364	0.680	0.668	<0.001
NDUFS6	<0.001	0.294	0.512	0.504	<0.001
DHRS7	<0.001	0.316	0.492	0.457	<0.001
POLR3GL	<0.001	0.326	0.439	0.390	<0.001
PSMD4	<0.001	0.309	0.397	0.332	<0.001
ITM2A	<0.001	0.373	0.501	0.459	<0.001
IL2RB	<0.001	0.307	0.265	0.164	<0.001
LLPH	<0.001	0.313	0.271	0.178	<0.001
TMED9	<0.001	0.307	0.453	0.415	<0.001
TINF2	<0.001	0.335	0.313	0.228	<0.001
IDS	<0.001	0.357	0.489	0.448	<0.001
UQCRFS1	<0.001	0.325	0.440	0.402	<0.001
SEC11A	<0.001	0.277	0.537	0.528	<0.001
IFI27L2	<0.001	0.330	0.306	0.220	<0.001
PHF11	<0.001	0.353	0.373	0.302	<0.001
CSNK2B	<0.001	0.312	0.467	0.436	<0.001
ANP32A	<0.001	0.309	0.464	0.434	<0.001
TACC1	<0.001	0.331	0.324	0.235	<0.001

C19orf53	<0.001	0.267	0.597	0.618	<0.001
PLSCR1	<0.001	0.253	0.159	0.072	<0.001
H2AFV	<0.001	0.309	0.531	0.524	<0.001
CDC42SE1	<0.001	0.297	0.621	0.624	<0.001
LRPAP1	<0.001	0.317	0.395	0.339	<0.001
CAPZA1	<0.001	0.311	0.505	0.477	<0.001
PSMA3	<0.001	0.321	0.399	0.343	<0.001
ATP6V0D1	<0.001	0.300	0.284	0.195	<0.001
C4orf3	<0.001	0.285	0.630	0.659	<0.001
RNASEH2C	<0.001	0.330	0.338	0.257	<0.001
KRAS	<0.001	0.362	0.353	0.280	<0.001
FAM129A	<0.001	0.313	0.282	0.184	<0.001
MRPL28	<0.001	0.288	0.249	0.157	<0.001
C19orf66	<0.001	0.327	0.406	0.346	<0.001
ZNF394	<0.001	0.312	0.315	0.233	<0.001
SNRPN	<0.001	0.305	0.510	0.488	<0.001
CD2BP2	<0.001	0.304	0.266	0.177	<0.001
POLR2F	<0.001	0.316	0.341	0.267	<0.001
BUD31	<0.001	0.317	0.378	0.315	<0.001
EMC3	<0.001	0.308	0.292	0.208	<0.001
CHMP4A	<0.001	0.282	0.536	0.528	<0.001
FDPS	<0.001	0.312	0.362	0.295	<0.001
CD58	<0.001	0.270	0.188	0.099	<0.001
XRCC6	<0.001	0.268	0.564	0.574	<0.001
IQGAP1	<0.001	0.307	0.508	0.477	<0.001
RNF19A	<0.001	0.338	0.287	0.199	<0.001
SAMD3	<0.001	0.281	0.438	0.361	<0.001
BIN1	<0.001	0.299	0.553	0.564	<0.001
CCT7	<0.001	0.286	0.461	0.427	<0.001
OAS2	<0.001	0.301	0.210	0.122	<0.001
GLIPR1	<0.001	0.308	0.372	0.290	<0.001
RNF125	<0.001	0.351	0.354	0.281	<0.001
SNRPD1	<0.001	0.299	0.431	0.399	<0.001
DDX60	<0.001	0.274	0.195	0.107	<0.001
EID1	<0.001	0.267	0.612	0.625	<0.001
TLN1	<0.001	0.338	0.437	0.392	<0.001
EMC4	<0.001	0.319	0.356	0.295	<0.001
TUBB	<0.001	0.346	0.429	0.388	<0.001
USB1	<0.001	0.266	0.196	0.111	<0.001
LAT	<0.001	0.263	0.622	0.646	<0.001
CYBC1	<0.001	0.306	0.396	0.340	<0.001
PTGER4	<0.001	0.321	0.221	0.134	<0.001
PIN1	<0.001	0.302	0.385	0.332	<0.001

SEM1	<0.001	0.282	0.514	0.517	<0.001
GSDMD	<0.001	0.305	0.420	0.377	<0.001
RAB8A	<0.001	0.305	0.361	0.296	<0.001
CHMP5	<0.001	0.310	0.329	0.260	<0.001
CD47	<0.001	0.276	0.584	0.597	<0.001
AATF	<0.001	0.292	0.326	0.256	<0.001
RBX1	<0.001	0.271	0.546	0.549	<0.001
MOB2	<0.001	0.293	0.292	0.214	<0.001
SIGIRR	<0.001	0.282	0.517	0.504	<0.001
VASP	<0.001	0.295	0.436	0.394	<0.001
UBE2A	<0.001	0.285	0.252	0.169	<0.001
SSNA1	<0.001	0.291	0.415	0.374	<0.001
ELOVL1	<0.001	0.265	0.209	0.124	<0.001
BORCS7	<0.001	0.300	0.291	0.212	<0.001
PQLC3	<0.001	0.293	0.254	0.173	<0.001
GCH1	<0.001	0.261	0.185	0.104	<0.001
SNX3	<0.001	0.275	0.508	0.510	<0.001
CNOT6L	<0.001	0.349	0.419	0.374	<0.001
SAMD9	<0.001	0.341	0.356	0.293	<0.001
CYC1	<0.001	0.291	0.326	0.258	<0.001
SF3B5	<0.001	0.259	0.552	0.566	<0.001
TBCA	<0.001	0.256	0.609	0.641	<0.001
UFC1	<0.001	0.268	0.539	0.536	<0.001
ZNHIT1	<0.001	0.280	0.437	0.399	<0.001
DNTTIP2	<0.001	0.293	0.316	0.242	<0.001
IFI16	<0.001	0.318	0.479	0.450	<0.001
PFDN2	<0.001	0.274	0.403	0.368	<0.001
PPP1R12A	<0.001	0.317	0.480	0.456	<0.001
TIGIT	<0.001	0.269	0.211	0.121	<0.001
PMF1	<0.001	0.286	0.275	0.202	<0.001
STUB1	<0.001	0.274	0.468	0.455	<0.001
S100B	<0.001	-0.298	0.040	0.112	<0.001
NDUFB7	<0.001	0.267	0.521	0.533	<0.001
TAF10	<0.001	0.312	0.449	0.427	<0.001
MAPK1IP1L	<0.001	0.308	0.314	0.247	<0.001
NDUFA6	<0.001	0.287	0.386	0.341	<0.001
DBNL	<0.001	0.271	0.445	0.413	<0.001
MRPS6	<0.001	0.311	0.374	0.327	<0.001
SF3B4	<0.001	0.269	0.229	0.153	<0.001
MED15	<0.001	0.300	0.292	0.219	<0.001
MXRA7	<0.001	0.255	0.176	0.101	<0.001
COMT	<0.001	0.282	0.265	0.195	<0.001
PIM3	<0.001	0.304	0.264	0.189	<0.001

NPRL3	<0.001	0.276	0.191	0.116	<0.001
YBX3	<0.001	0.261	0.149	0.076	<0.001
SDHC	<0.001	0.287	0.367	0.322	<0.001
SIRT7	<0.001	0.291	0.332	0.273	<0.001
THRAP3	<0.001	0.291	0.483	0.474	<0.001
STXBP2	<0.001	0.281	0.265	0.193	<0.001
MANF	<0.001	0.306	0.343	0.289	<0.001
C9orf78	<0.001	0.268	0.567	0.601	<0.001
CDC25B	<0.001	0.303	0.392	0.350	<0.001
SNRPB2	<0.001	0.277	0.466	0.456	<0.001
SZRD1	<0.001	0.268	0.258	0.188	<0.001
ACP1	<0.001	0.278	0.411	0.393	<0.001
POLR2K	<0.001	0.267	0.369	0.330	<0.001
GSTO1	<0.001	0.300	0.381	0.344	<0.001
TCIRG1	<0.001	0.282	0.270	0.204	<0.001
XBP1	<0.001	0.292	0.498	0.481	<0.001
ADA	<0.001	0.259	0.208	0.135	<0.001
MRPL41	<0.001	0.272	0.418	0.397	<0.001
FAM133B	<0.001	0.309	0.463	0.450	<0.001
PPP2R1A	<0.001	0.284	0.325	0.271	<0.001
BABAM1	<0.001	0.274	0.272	0.207	<0.001
SH3BP1	<0.001	0.265	0.307	0.244	<0.001
IL12RB1	<0.001	0.255	0.240	0.170	<0.001
AUP1	<0.001	0.282	0.328	0.276	<0.001
TWF2	<0.001	0.254	0.384	0.351	<0.001
MVP	<0.001	0.266	0.327	0.272	<0.001
CASP4	<0.001	0.277	0.480	0.476	<0.001
NOP10	<0.001	0.252	0.486	0.494	<0.001
WAS	<0.001	0.274	0.420	0.401	<0.001
TUFM	<0.001	0.256	0.462	0.466	<0.001
NDUFS8	<0.001	0.273	0.417	0.402	<0.001
PIGT	<0.001	0.261	0.229	0.162	<0.001
ZBTB8OS	<0.001	0.275	0.320	0.269	<0.001
COMMD1	<0.001	0.257	0.225	0.158	<0.001
SRRT	<0.001	0.267	0.227	0.159	<0.001
MRPL43	<0.001	0.272	0.334	0.290	<0.001
PSMC3	<0.001	0.270	0.315	0.264	<0.001
IKZF3	<0.001	0.267	0.430	0.394	<0.001
OPTN	<0.001	0.254	0.434	0.402	<0.001
PSMA2	<0.001	0.263	0.422	0.410	<0.001
RER1	<0.001	0.266	0.400	0.373	<0.001
UBE2F	<0.001	0.272	0.272	0.212	<0.001
PGLS	<0.001	0.274	0.384	0.349	<0.001

MAZ	<0.001	0.274	0.477	0.482	<0.001
APOBEC3C	<0.001	0.287	0.331	0.277	<0.001
CTDNEP1	<0.001	0.276	0.428	0.415	<0.001
BANF1	<0.001	0.267	0.419	0.410	<0.001
MAGED2	<0.001	0.261	0.260	0.198	<0.001
PRR5	<0.001	0.268	0.314	0.249	<0.001
CD226	<0.001	0.282	0.286	0.224	<0.001
GADD45GIP1	<0.001	0.259	0.432	0.423	<0.001
LSM3	<0.001	0.263	0.431	0.429	<0.001
ZBTB1	<0.001	0.259	0.228	0.163	<0.001
FLOT1	<0.001	0.258	0.262	0.202	<0.001
COA3	<0.001	0.253	0.231	0.170	<0.001
COMMD7	<0.001	0.263	0.375	0.349	<0.001
RAB11B	<0.001	0.270	0.271	0.213	<0.001
ELOC	<0.001	0.252	0.362	0.331	<0.001
PSAP	<0.001	0.261	0.369	0.337	<0.001
CAST	<0.001	0.254	0.529	0.539	<0.001
SKA2	<0.001	0.256	0.215	0.154	<0.001
DERL1	<0.001	0.263	0.285	0.233	<0.001
SDHAF2	<0.001	0.262	0.284	0.233	<0.001
PKN1	<0.001	0.259	0.427	0.422	<0.001
APBB1IP	<0.001	0.253	0.452	0.452	<0.001
H1FX	<0.001	0.348	0.655	0.698	<0.001
SDHA	<0.001	0.250	0.337	0.297	<0.001
GRHPR	<0.001	0.262	0.261	0.206	<0.001
DNAJC8	<0.001	0.256	0.447	0.454	<0.001
CTBP1	<0.001	0.262	0.281	0.227	<0.001
IRF2	<0.001	0.269	0.289	0.239	<0.001
HSP90B1	<0.001	0.263	0.548	0.564	<0.001
UBE2S	<0.001	0.251	0.321	0.278	<0.001
COPZ1	<0.001	0.263	0.335	0.302	<0.001
PARP10	<0.001	0.257	0.250	0.193	<0.001
ATRAID	<0.001	0.257	0.424	0.430	<0.001
EPS15	<0.001	0.267	0.317	0.274	<0.001
CDKN2D	<0.001	0.276	0.409	0.392	<0.001
TEX264	<0.001	0.252	0.342	0.310	<0.001
TMEM109	<0.001	0.266	0.303	0.261	<0.001
UFD1	<0.001	0.256	0.310	0.271	<0.001
SDF4	<0.001	0.250	0.296	0.253	<0.001
HMGB2	<0.001	0.266	0.473	0.490	<0.001
ARRB2	<0.001	0.253	0.400	0.391	<0.001
REL	<0.001	0.269	0.294	0.246	<0.001
MOB1A	<0.001	0.252	0.398	0.390	<0.001

FDFT1	<0.001	0.260	0.258	0.212	<0.001
HIST1H4C	<0.001	0.272	0.431	0.423	<0.001
CYTH4	<0.001	0.264	0.336	0.308	<0.001
ZMAT2	<0.001	0.253	0.337	0.316	<0.001
CCNH	<0.001	0.274	0.275	0.235	<0.001
PLEKHJ1	<0.001	0.251	0.322	0.298	<0.001
NT5C	<0.001	0.253	0.294	0.258	<0.001
UPP1	<0.001	0.264	0.323	0.290	<0.001
CNPY3	<0.001	0.254	0.296	0.262	<0.001
HERPUD2	<0.001	0.253	0.278	0.239	<0.001
NSMCE3	<0.001	0.265	0.392	0.393	<0.001
ARID5B	<0.001	0.254	0.311	0.266	<0.001
MYADM	<0.001	0.283	0.315	0.283	<0.001
RAP2B	<0.001	0.254	0.298	0.271	<0.001
SOCS1	<0.001	0.310	0.239	0.204	<0.001

X-SCID, X-linked severe combined immunodeficiency.

Table SXIV. Numbers of NKT and NK cells in the X-SCID patient and the healthy donor

Cell type	Patient	Patient-Autologous	Patient-Maternal	Healthy
NKT	2,668	596	2,072	520
NK	155	45	110	237
Total cells in sample	14,561	9,661	4,900	10,964
% NKT	18.3%	6.2%	42.3%	4.7%
% NK	1.1%	0.5%	2.2%	2.2%

X-SCID, X-linked severe combined immunodeficiency.

Table SXV. Differentially expressed genes between the X-SCID patient and the healthy cells in the NKT cluster.

Gene	p_val	avg_logFC	pct.1	pct.2	p_val_adj
MTRNR2L12	<0.001	-0.693	0.000	0.556	<0.001
AC007952.4	<0.001	-0.821	0.011	0.558	<0.001
TRDC	<0.001	-1.472	0.088	0.833	<0.001
FCER1G	<0.001	-1.698	0.041	0.762	<0.001
FOSB	<0.001	-1.822	0.081	0.913	<0.001
KLRB1	<0.001	-2.085	0.072	0.948	<0.001
FOS	<0.001	-2.234	0.090	0.946	<0.001
KLRG1	<0.001	-1.058	0.094	0.763	<0.001
CXXC5	<0.001	-0.679	0.016	0.540	<0.001
LYZ	<0.001	-1.641	0.094	0.750	<0.001
IFITM1	<0.001	1.694	0.990	0.252	<0.001
LTB	<0.001	-1.210	0.040	0.563	<0.001
KLRC1	<0.001	-1.012	0.037	0.567	<0.001
AKR1C3	<0.001	-0.576	0.007	0.433	<0.001
TPT1	<0.001	-0.867	1.000	1.000	<0.001
GZMH	<0.001	1.389	0.997	0.542	<0.001
C1orf162	<0.001	-0.856	0.070	0.617	<0.001
XCL1	<0.001	-0.661	0.007	0.410	<0.001
CMC1	<0.001	-1.141	0.116	0.696	<0.001
CEBPD	<0.001	-0.904	0.078	0.619	<0.001
CD7	<0.001	-1.337	0.392	0.917	<0.001
EEF1A1	<0.001	-0.765	1.000	1.000	<0.001
A2M-AS1	<0.001	-0.526	0.022	0.450	<0.001
CD8B	<0.001	1.355	0.863	0.050	<0.001
IGFBP7	<0.001	-0.593	0.010	0.377	<0.001
ZBTB16	<0.001	-0.418	0.008	0.365	<0.001
H3F3B	<0.001	-0.845	0.989	1.000	<0.001
JUN	<0.001	-1.499	0.755	0.985	<0.001
HBB	<0.001	1.067	0.801	0.006	<0.001
XIST	<0.001	1.017	0.777	0.000	<0.001
CD8A	<0.001	1.202	0.899	0.262	<0.001
IL18RAP	<0.001	-0.413	0.015	0.371	<0.001
DDX3Y	<0.001	-0.377	0.002	0.304	<0.001
GZMK	<0.001	-0.978	0.040	0.473	<0.001
SH2D1B	<0.001	-0.415	0.015	0.363	<0.001
AC004687.1	<0.001	-0.864	0.189	0.725	<0.001
GIMAP7	<0.001	-0.949	0.488	0.919	<0.001
XCL2	<0.001	-0.578	0.030	0.419	<0.001
RACK1	<0.001	-0.658	0.987	1.000	<0.001

PABPC1	<0.001	-0.853	0.677	0.967	<0.001
EIF1	<0.001	-0.561	0.999	1.000	<0.001
KLRF1	<0.001	-1.146	0.260	0.763	<0.001
CXCR4	<0.001	1.063	0.923	0.415	<0.001
CD3D	<0.001	0.988	0.966	0.383	<0.001
TMIGD2	<0.001	-0.339	0.003	0.273	<0.001
SLC38A2	<0.001	-0.696	0.132	0.612	<0.001
CD3G	<0.001	0.905	0.924	0.292	<0.001
IER2	<0.001	-0.975	0.767	0.971	<0.001
DDX5	<0.001	-0.689	0.972	0.998	<0.001
IL2RB	<0.001	-0.974	0.309	0.777	<0.001
CCL5	<0.001	0.755	1.000	0.810	<0.001
EEF1B2	<0.001	-0.706	0.944	1.000	<0.001
GIMAP1	<0.001	-0.693	0.181	0.658	<0.001
CD27	<0.001	-0.321	0.001	0.238	<0.001
IFI6	<0.001	0.884	0.811	0.238	<0.001
PILRB	<0.001	-0.550	0.111	0.556	<0.001
ITGB2	<0.001	-0.831	0.883	0.990	<0.001
TXNIP	<0.001	-0.763	0.940	0.996	<0.001
IFI27	<0.001	1.707	0.658	0.004	<0.001
DHRS3	<0.001	-0.271	0.009	0.275	<0.001
HLA-DPB1	<0.001	0.780	0.895	0.331	<0.001
HLA-DRB1	<0.001	0.819	0.822	0.196	<0.001
TSC22D3	<0.001	0.853	0.977	0.671	<0.001
UBA52	<0.001	-0.497	0.999	1.000	<0.001
RNF165	<0.001	-0.263	0.003	0.237	<0.001
ISG15	<0.001	0.886	0.908	0.463	<0.001
FGFBP2	<0.001	0.871	0.977	0.537	<0.001
IL7R	<0.001	-1.097	0.030	0.344	<0.001
PTGDR	<0.001	-0.532	0.088	0.500	<0.001
IER5	<0.001	-0.645	0.122	0.552	<0.001
LAT2	<0.001	-0.420	0.036	0.363	<0.001
DUSP1	<0.001	-1.081	0.562	0.904	<0.001
CAPN12	<0.001	-0.351	0.028	0.338	<0.001
CCL4	<0.001	0.923	0.962	0.588	<0.001
TOMM7	<0.001	-0.627	0.877	0.987	<0.001
JAML	<0.001	-0.287	0.003	0.219	<0.001
ATM	<0.001	-0.741	0.506	0.867	<0.001
CD300A	<0.001	-0.635	0.163	0.617	<0.001
CHST2	<0.001	-0.365	0.021	0.296	<0.001
COX7C	<0.001	-0.587	0.840	0.973	<0.001
TMA7	<0.001	-0.560	0.867	0.992	<0.001
GSN	<0.001	-0.354	0.025	0.306	<0.001

MBNL1	<0.001	-0.693	0.428	0.817	<0.001
LAIR2	<0.001	0.730	0.644	0.056	<0.001
SYNGR1	<0.001	0.715	0.658	0.079	<0.001
HBA2	<0.001	1.216	0.582	0.004	<0.001
ZFP36L1	<0.001	-0.667	0.206	0.635	<0.001
IL32	<0.001	0.692	1.000	0.640	<0.001
LGALS1	<0.001	0.812	0.946	0.531	<0.001
CST7	<0.001	0.526	0.998	0.965	<0.001
PLAC8	<0.001	-0.836	0.624	0.904	<0.001
HLA-DQA2	<0.001	0.712	0.624	0.069	<0.001
LAPTM5	<0.001	-0.622	0.678	0.925	<0.001
RSRP1	<0.001	-0.687	0.513	0.838	<0.001
NCR3	<0.001	-0.513	0.125	0.519	<0.001
HBA1	<0.001	1.286	0.559	0.008	<0.001
ATP5F1E	<0.001	-0.493	0.973	0.998	<0.001
TNFAIP3	<0.001	0.734	0.712	0.187	<0.001
DDX17	<0.001	-0.672	0.585	0.879	<0.001
HLA-DPA1	<0.001	0.664	0.865	0.396	<0.001
SH2D1A	<0.001	-0.472	0.115	0.485	<0.001
ACAP1	<0.001	-0.620	0.546	0.863	<0.001
EIF3G	<0.001	-0.688	0.690	0.887	<0.001
TLE4	<0.001	-0.572	0.184	0.590	<0.001
AC245014.3	<0.001	-0.314	0.019	0.254	<0.001
TRBC2	<0.001	0.725	0.901	0.637	<0.001
BEX4	<0.001	-0.288	0.033	0.298	<0.001
HLA-C	<0.001	0.319	1.000	1.000	<0.001
HNRNPA2B1	<0.001	-0.526	0.939	0.992	<0.001
S100A9	<0.001	-1.747	0.324	0.717	<0.001
GADD45B	<0.001	-0.661	0.234	0.633	<0.001
SAMD3	<0.001	-0.643	0.429	0.794	<0.001
LST1	<0.001	-0.341	0.012	0.215	<0.001
TRAC	<0.001	0.670	0.888	0.427	<0.001
ATP5MG	<0.001	-0.477	0.860	0.981	<0.001
JAK1	<0.001	-0.681	0.632	0.846	<0.001
HINT1	<0.001	-0.529	0.765	0.946	<0.001
TXK	<0.001	-0.548	0.195	0.581	<0.001
LAG3	<0.001	0.581	0.563	0.063	<0.001
ALOX5AP	<0.001	-0.587	0.216	0.619	<0.001
ARRDC3	<0.001	-0.310	0.040	0.302	<0.001
MYBL1	<0.001	-0.510	0.166	0.544	<0.001
CCL4L2	<0.001	0.884	0.492	0.000	<0.001
CIRBP	<0.001	-0.557	0.774	0.940	<0.001
GCHFR	<0.001	-0.437	0.078	0.390	<0.001

RIPOR2	<0.001	-0.627	0.564	0.833	<0.001
GIMAP6	<0.001	-0.387	0.096	0.427	<0.001
TYMP	<0.001	0.581	0.770	0.279	<0.001
NACA	<0.001	-0.414	0.999	1.000	<0.001
PTMA	<0.001	-0.387	1.000	1.000	<0.001
MALAT1	<0.001	-0.283	1.000	1.000	<0.001
HIPK2	<0.001	-0.312	0.037	0.287	<0.001
FHL3	<0.001	-0.302	0.054	0.331	<0.001
MYOM2	<0.001	0.610	0.864	0.350	<0.001
SAT1	<0.001	-0.757	0.562	0.829	<0.001
ITGAM	<0.001	-0.432	0.122	0.454	<0.001
CCNL1	<0.001	-0.602	0.455	0.758	<0.001
PFDN5	<0.001	-0.458	0.945	0.992	<0.001
LCP1	<0.001	-0.568	0.728	0.896	<0.001
CRIP1	<0.001	0.572	0.704	0.265	<0.001
PRSS23	<0.001	0.543	0.733	0.271	<0.001
TCF7	<0.001	-0.439	0.084	0.379	<0.001
SRSF3	<0.001	-0.532	0.627	0.869	<0.001
GABPB1-AS1	<0.001	-0.515	0.142	0.475	<0.001
EEF2	<0.001	-0.491	0.824	0.962	<0.001
VCAN	<0.001	-0.430	0.002	0.138	<0.001
HOPX	<0.001	-0.635	0.840	0.929	<0.001
FCN1	<0.001	-0.518	0.009	0.173	<0.001
ETS1	<0.001	-0.528	0.404	0.735	<0.001
CITED2	<0.001	-0.404	0.096	0.394	<0.001
RAB11FIP1	<0.001	-0.435	0.107	0.406	<0.001
CHI3L2	<0.001	-0.406	0.052	0.300	<0.001
BRD2	<0.001	-0.534	0.333	0.675	<0.001
GZMM	<0.001	-0.623	0.823	0.925	<0.001
CASP8	<0.001	-0.468	0.236	0.585	<0.001
LUC7L3	<0.001	-0.555	0.433	0.727	<0.001
SATB1	<0.001	-0.369	0.098	0.387	<0.001
ILF3-DT	<0.001	-0.538	0.205	0.531	<0.001
DENND2D	<0.001	-0.486	0.255	0.604	<0.001
SLC25A6	<0.001	-0.473	0.737	0.904	<0.001
EIF5A	<0.001	-0.530	0.636	0.842	<0.001
IRF9	<0.001	0.500	0.635	0.219	<0.001
OASL	<0.001	0.440	0.428	0.023	<0.001
KLF6	<0.001	-0.624	0.665	0.873	<0.001
UQCRB	<0.001	-0.423	0.884	0.967	<0.001
NKG7	<0.001	0.351	1.000	0.998	<0.001
SERPINB6	<0.001	-0.386	0.129	0.425	<0.001
LINC00861	<0.001	-0.440	0.172	0.487	<0.001

EOMES	<0.001	-0.317	0.104	0.388	<0.001
RBM3	<0.001	-0.516	0.630	0.829	<0.001
ITM2B	<0.001	-0.390	0.925	0.983	<0.001
ITGB1	<0.001	0.476	0.790	0.413	<0.001
DDIT4	<0.001	0.560	0.719	0.371	<0.001
HNRNPU	<0.001	-0.521	0.601	0.812	<0.001
PPP1R10	<0.001	-0.426	0.199	0.525	<0.001
SAMHD1	<0.001	-0.498	0.305	0.615	<0.001
METRNL	<0.001	0.465	0.681	0.269	<0.001
XAF1	<0.001	0.485	0.719	0.340	<0.001
AIF1	<0.001	-0.332	0.010	0.152	<0.001
COMMD6	<0.001	-0.426	0.785	0.915	<0.001
CTSD	<0.001	-0.572	0.536	0.758	<0.001
FAU	<0.001	-0.282	1.000	1.000	<0.001
ICAM3	<0.001	-0.450	0.618	0.840	<0.001
CHD9	<0.001	-0.387	0.149	0.450	<0.001
GTF3C1	<0.001	0.438	0.604	0.202	<0.001
TSTD1	<0.001	-0.447	0.229	0.546	<0.001
PRMT2	<0.001	-0.517	0.545	0.796	<0.001
ORAI2	<0.001	-0.284	0.067	0.308	<0.001
DDAH2	<0.001	-0.319	0.065	0.298	<0.001
PNP	<0.001	-0.303	0.093	0.354	<0.001
SPON2	<0.001	-0.903	0.388	0.675	<0.001
EIF4A2	<0.001	-0.456	0.698	0.869	<0.001
PMAIP1	<0.001	-0.435	0.132	0.413	<0.001
TRA2B	<0.001	-0.462	0.392	0.692	<0.001
IFNGR1	<0.001	-0.281	0.071	0.310	<0.001
CES1	<0.001	0.421	0.426	0.040	<0.001
MCL1	<0.001	-0.542	0.446	0.708	<0.001
PNISR	<0.001	-0.445	0.777	0.900	<0.001
SLFN5	<0.001	-0.464	0.234	0.546	<0.001
NSG1	<0.001	0.426	0.453	0.071	<0.001
WSB1	<0.001	-0.498	0.293	0.594	<0.001
FUS	<0.001	-0.467	0.806	0.919	<0.001
HEXIM1	<0.001	-0.281	0.055	0.273	<0.001
COX4I1	<0.001	-0.352	0.931	0.985	<0.001
AC245297.3	<0.001	-0.454	0.382	0.688	<0.001
FAM49B	<0.001	-0.469	0.714	0.854	<0.001
HNRNPH1	<0.001	-0.474	0.582	0.813	<0.001
CD160	<0.001	-0.596	0.220	0.515	<0.001
POLR2L	<0.001	-0.493	0.546	0.767	<0.001
STAT1	<0.001	0.485	0.618	0.250	<0.001
PNN	<0.001	-0.504	0.449	0.710	<0.001

SERF2	<0.001	-0.334	0.995	1.000	<0.001
GZMB	<0.001	0.408	0.996	0.690	<0.001
SNHG9	<0.001	-0.316	0.095	0.342	<0.001
PHACTR2	<0.001	-0.320	0.058	0.269	<0.001
H3F3A	<0.001	-0.331	0.995	0.998	<0.001
BTG2	<0.001	-0.635	0.383	0.640	<0.001
HNRNPA0	<0.001	-0.431	0.341	0.637	<0.001
CD44	<0.001	-0.519	0.397	0.660	<0.001
TRAF3IP3	<0.001	-0.475	0.647	0.821	<0.001
CD247	<0.001	-0.479	0.902	0.938	<0.001
PSMB10	<0.001	0.412	0.648	0.283	<0.001
LY6E	<0.001	0.426	0.958	0.800	<0.001
PBXIP1	<0.001	-0.344	0.118	0.381	<0.001
FCRL6	<0.001	0.391	0.547	0.169	<0.001
TRGC1	<0.001	0.449	0.774	0.458	<0.001
APRT	<0.001	-0.427	0.648	0.831	<0.001
SRSF5	<0.001	-0.422	0.835	0.929	<0.001
SSR4	<0.001	-0.413	0.781	0.898	<0.001
ARHGAP45	<0.001	-0.459	0.399	0.671	<0.001
SLC25A3	<0.001	-0.427	0.662	0.833	<0.001
PPP1R15A	<0.001	-0.519	0.313	0.587	<0.001
TSPO	<0.001	-0.476	0.414	0.669	<0.001
RCSD1	<0.001	-0.415	0.260	0.548	<0.001
AMD1	<0.001	-0.366	0.174	0.454	<0.001
KIR3DL2	<0.001	0.420	0.446	0.087	<0.001
IKZF1	<0.001	-0.432	0.542	0.777	<0.001
KLF2	<0.001	-0.402	0.936	0.981	<0.001
INTS6	<0.001	-0.453	0.213	0.492	<0.001
AES	<0.001	-0.393	0.890	0.960	<0.001
ZNF683	<0.001	0.402	0.355	0.025	<0.001
SERP1	<0.001	-0.430	0.573	0.767	<0.001
EIF4A1	<0.001	-0.471	0.464	0.698	<0.001
JUNB	<0.001	-0.521	0.865	0.958	<0.001
STK17A	<0.001	-0.460	0.415	0.675	<0.001
CYB5B	<0.001	-0.287	0.144	0.410	<0.001
ISG20	<0.001	0.434	0.831	0.588	<0.001
CLINT1	<0.001	-0.281	0.112	0.356	<0.001
OST4	<0.001	-0.366	0.814	0.927	<0.001
NCK2	<0.001	-0.265	0.097	0.329	<0.001
NKTR	<0.001	-0.460	0.397	0.642	<0.001
HELZ	<0.001	-0.364	0.180	0.448	<0.001
RAP1B	<0.001	-0.412	0.904	0.948	<0.001
TMC8	<0.001	-0.412	0.331	0.606	<0.001

MSN	<0.001	-0.446	0.639	0.812	<0.001
CDC42EP3	<0.001	-0.346	0.148	0.404	<0.001
PCBP2	<0.001	-0.404	0.568	0.765	<0.001
MACF1	<0.001	-0.446	0.358	0.623	<0.001
CARHSP1	<0.001	-0.299	0.175	0.452	<0.001
PRPF38B	<0.001	-0.451	0.425	0.679	<0.001
AC103591.3	<0.001	-0.298	0.032	0.188	<0.001
SEPTIN6	<0.001	-0.448	0.400	0.644	<0.001
N4BP2L2	<0.001	-0.424	0.592	0.771	<0.001
SUMF2	<0.001	-0.335	0.174	0.438	<0.001
MNDA	<0.001	-0.348	0.016	0.142	<0.001
NPM1	<0.001	-0.351	0.894	0.946	<0.001
UTRN	<0.001	-0.422	0.349	0.613	<0.001
FAM107B	<0.001	-0.431	0.371	0.631	<0.001
PTPRC	<0.001	-0.329	0.973	0.992	<0.001
OFD1	<0.001	-0.338	0.214	0.490	<0.001
ATP5MD	<0.001	-0.392	0.530	0.746	<0.001
S100A8	<0.001	-1.329	0.312	0.585	<0.001
EPSTI1	<0.001	0.373	0.468	0.140	<0.001
COL6A2	<0.001	-0.285	0.030	0.181	<0.001
NEAT1	<0.001	-0.467	0.979	0.998	<0.001
MCTP2	<0.001	-0.324	0.162	0.417	<0.001
COX6C	<0.001	-0.358	0.807	0.902	<0.001
ZFAS1	<0.001	-0.412	0.432	0.663	<0.001
CELF2	<0.001	-0.417	0.680	0.837	<0.001
UQCR11	<0.001	-0.371	0.737	0.856	<0.001
APMAP	<0.001	-0.427	0.502	0.723	<0.001
LYST	<0.001	-0.342	0.127	0.360	<0.001
ARHGEF1	<0.001	-0.411	0.610	0.787	<0.001
CLIC3	<0.001	-0.752	0.530	0.688	<0.001
SERTAD3	<0.001	0.335	0.381	0.071	<0.001
ABRACL	<0.001	-0.395	0.352	0.604	<0.001
XBP1	<0.001	-0.464	0.587	0.769	<0.001
WDR74	<0.001	-0.258	0.096	0.312	<0.001
IVNS1ABP	<0.001	-0.318	0.120	0.350	<0.001
LMO4	<0.001	-0.330	0.153	0.392	<0.001
SYTL1	<0.001	-0.411	0.359	0.617	<0.001
GPX4	<0.001	-0.424	0.385	0.617	<0.001
GMFG	<0.001	-0.347	0.825	0.921	<0.001
OGT	<0.001	-0.335	0.214	0.475	<0.001
GBP1	<0.001	0.418	0.557	0.250	<0.001
IFIT3	<0.001	0.335	0.324	0.033	<0.001
TPM3	<0.001	-0.398	0.717	0.840	<0.001

YME1L1	<0.001	-0.387	0.266	0.519	<0.001
TCEAL8	<0.001	-0.262	0.123	0.354	<0.001
MYL12A	<0.001	-0.291	1.000	1.000	<0.001
RASSF5	<0.001	-0.338	0.237	0.498	<0.001
RHOC	<0.001	-0.456	0.409	0.650	<0.001
HNRNPF	<0.001	-0.389	0.648	0.808	<0.001
TSPYL2	<0.001	-0.301	0.088	0.292	<0.001
TNFAIP8	<0.001	-0.363	0.286	0.540	<0.001
EIF3L	<0.001	-0.391	0.466	0.687	<0.001
ACTG1	<0.001	-0.385	0.998	1.000	<0.001
OTUD6B-AS1	<0.001	-0.307	0.127	0.352	<0.001
SIPA1	<0.001	-0.351	0.304	0.567	<0.001
EIF3E	<0.001	-0.350	0.673	0.831	<0.001
RARRES3	<0.001	0.320	0.962	0.808	<0.001
ACTB	<0.001	-0.371	1.000	1.000	<0.001
MYO1F	<0.001	-0.405	0.757	0.856	<0.001
PIM1	<0.001	-0.352	0.226	0.479	<0.001
TBX21	<0.001	-0.364	0.332	0.592	<0.001
RORA	<0.001	-0.426	0.520	0.727	<0.001
ANAPC16	<0.001	-0.386	0.568	0.748	<0.001
ENO1	<0.001	-0.366	0.745	0.854	<0.001
ASCL2	<0.001	0.347	0.531	0.219	<0.001
EEF1D	<0.001	-0.290	0.981	0.985	<0.001
DUSP5	<0.001	0.302	0.318	0.038	<0.001
ARPC5	<0.001	-0.372	0.647	0.777	<0.001
GYPC	<0.001	-0.375	0.452	0.675	<0.001
ITGB7	<0.001	0.317	0.691	0.388	<0.001
NUCB2	<0.001	-0.343	0.235	0.483	<0.001
ATP5MPL	<0.001	-0.368	0.612	0.769	<0.001
GLRX	<0.001	-0.403	0.369	0.596	<0.001
RAC2	<0.001	-0.343	0.917	0.950	<0.001
FNBP1	<0.001	-0.374	0.375	0.612	<0.001
EIF4B	<0.001	-0.378	0.421	0.646	<0.001
CHD2	<0.001	-0.321	0.175	0.406	<0.001
LITAF	<0.001	0.327	0.931	0.752	<0.001
CTBP2	<0.001	-0.300	0.146	0.367	<0.001
BTF3	<0.001	-0.268	0.973	0.998	<0.001
HMGB1	<0.001	-0.298	0.949	0.981	<0.001
CEMIP2	<0.001	0.324	0.481	0.188	<0.001
GIMAP4	<0.001	-0.438	0.534	0.698	<0.001
SERBP1	<0.001	-0.358	0.533	0.727	<0.001
EIF4G2	<0.001	-0.370	0.445	0.654	<0.001
IL27RA	<0.001	-0.265	0.157	0.387	<0.001

MAPRE2	<0.001	-0.260	0.148	0.373	<0.001
TBC1D10C	<0.001	-0.369	0.641	0.792	<0.001
PLEKHA1	<0.001	-0.306	0.192	0.431	<0.001
ATP5ME	<0.001	-0.357	0.571	0.740	<0.001
UBE2L6	<0.001	0.320	0.698	0.435	<0.001
SSR2	<0.001	-0.334	0.776	0.871	<0.001
DDX3X	<0.001	-0.463	0.555	0.717	<0.001
KLRD1	<0.001	-0.432	0.960	0.894	<0.001
PLEK	<0.001	-0.467	0.672	0.750	<0.001
TAPBP	<0.001	-0.351	0.603	0.781	<0.001
SRSF7	<0.001	-0.389	0.807	0.877	<0.001
PDCD4	<0.001	-0.397	0.322	0.550	<0.001
CD164	<0.001	-0.392	0.524	0.708	<0.001
PSTPIP1	<0.001	-0.315	0.265	0.506	<0.001
SET	<0.001	-0.346	0.724	0.833	<0.001
SIT1	<0.001	0.287	0.390	0.112	<0.001
TCF25	<0.001	-0.357	0.654	0.798	<0.001
ARHGAP30	<0.001	-0.376	0.446	0.652	<0.001
YBX1	<0.001	-0.327	0.850	0.915	<0.001
STT3B	<0.001	-0.274	0.168	0.385	<0.001
ARPC5L	<0.001	-0.377	0.591	0.773	<0.001
ZFAND5	<0.001	-0.326	0.164	0.373	<0.001
SARAF	<0.001	-0.314	0.786	0.885	<0.001
RBM25	<0.001	-0.380	0.516	0.696	<0.001
FTH1	<0.001	-0.344	0.990	1.000	<0.001
GTF3A	<0.001	-0.351	0.618	0.763	<0.001
COTL1	<0.001	-0.425	0.206	0.438	<0.001
SUN2	<0.001	-0.379	0.674	0.798	<0.001
SRSF2	<0.001	-0.344	0.610	0.758	<0.001
HLA-DQA1	<0.001	0.271	0.284	0.038	<0.001
CTSS	<0.001	-0.575	0.441	0.648	<0.001
IFRD1	<0.001	-0.305	0.139	0.340	<0.001
ARGLU1	<0.001	-0.359	0.528	0.723	<0.001
HDAC7	<0.001	-0.252	0.144	0.352	<0.001
PNRC1	<0.001	-0.337	0.690	0.798	<0.001
SLC20A1	<0.001	-0.296	0.197	0.417	<0.001
SRSF11	<0.001	-0.374	0.490	0.683	<0.001
ACTR2	<0.001	-0.368	0.563	0.713	<0.001
ARID5B	<0.001	0.287	0.412	0.137	<0.001
CCNI	<0.001	-0.325	0.770	0.852	<0.001
EIF3B	<0.001	-0.259	0.219	0.446	<0.001
PTPN12	<0.001	-0.296	0.174	0.385	<0.001
APOBEC3G	<0.001	-0.416	0.701	0.819	<0.001

CLK1	<0.001	-0.328	0.279	0.502	<0.001
UBL5	<0.001	-0.313	0.773	0.863	<0.001
C9orf16	<0.001	-0.339	0.498	0.692	<0.001
HNRNPA1	<0.001	-0.276	0.917	0.958	<0.001
IFI44L	<0.001	0.337	0.277	0.040	<0.001
HSH2D	<0.001	-0.284	0.212	0.433	<0.001
NHLRC3	<0.001	-0.252	0.121	0.310	<0.001
P4HB	<0.001	-0.363	0.513	0.681	<0.001
PYHIN1	<0.001	-0.386	0.425	0.633	<0.001
MZT2B	<0.001	-0.333	0.583	0.740	<0.001
CD2	<0.001	0.277	0.711	0.415	<0.001
BIN2	<0.001	-0.320	0.713	0.831	<0.001
RBM39	<0.001	-0.318	0.780	0.858	<0.001
TAP1	<0.001	0.309	0.725	0.479	<0.001
CASP4	<0.001	-0.329	0.448	0.646	<0.001
GOLGA4	<0.001	-0.333	0.276	0.494	<0.001
CEBPB	<0.001	0.307	0.627	0.346	<0.001
TMC6	<0.001	-0.327	0.381	0.608	<0.001
CDC42	<0.001	-0.301	0.885	0.931	<0.001
PARP9	<0.001	0.287	0.427	0.169	<0.001
ZNF207	<0.001	-0.363	0.422	0.608	<0.001
ADH5	<0.001	-0.267	0.313	0.540	<0.001
HLA-DQB1	<0.001	0.259	0.292	0.056	<0.001
PIP4K2A	<0.001	-0.323	0.445	0.635	<0.001
UQCR10	<0.001	-0.304	0.630	0.767	<0.001
TMED10	<0.001	-0.313	0.304	0.515	<0.001
SKP1	<0.001	-0.279	0.818	0.883	<0.001
MATK	<0.001	-0.394	0.612	0.756	<0.001
PCSK7	<0.001	-0.374	0.711	0.804	<0.001
DIP2A	<0.001	-0.297	0.310	0.535	<0.001
CKLF	<0.001	-0.331	0.390	0.594	<0.001
CANX	<0.001	-0.311	0.294	0.506	<0.001
FKBP11	<0.001	-0.310	0.334	0.552	<0.001
MAPK1	<0.001	-0.321	0.293	0.508	<0.001
PRRC2C	<0.001	-0.364	0.623	0.735	<0.001
CST3	<0.001	-0.421	0.086	0.242	<0.001
APEX1	<0.001	-0.275	0.207	0.410	<0.001
PSMB9	<0.001	0.256	0.966	0.856	<0.001
IFITM3	<0.001	-0.261	0.098	0.265	<0.001
AKAP17A	<0.001	-0.251	0.160	0.354	<0.001
NDUFB2	<0.001	-0.352	0.677	0.773	<0.001
SON	<0.001	-0.309	0.735	0.831	<0.001
PA2G4	<0.001	-0.324	0.422	0.602	<0.001

ARL6IP4	<0.001	-0.314	0.622	0.740	<0.001
DSTN	<0.001	0.274	0.757	0.527	<0.001
RBM26	<0.001	-0.256	0.162	0.354	<0.001
LBH	<0.001	-0.285	0.284	0.498	<0.001
SMG1	<0.001	-0.264	0.222	0.431	<0.001
SF3B1	<0.001	-0.327	0.449	0.627	<0.001
JUND	<0.001	-0.293	0.969	0.990	<0.001
KDM5A	<0.001	-0.321	0.299	0.498	<0.001
SLC2A3	<0.001	-0.447	0.255	0.446	<0.001
SEC11A	<0.001	-0.308	0.549	0.698	<0.001
UBE2I	<0.001	-0.291	0.547	0.723	<0.001
TC2N	<0.001	-0.251	0.133	0.313	<0.001
MX1	<0.001	0.287	0.375	0.140	<0.001
FKBP1A	<0.001	-0.332	0.335	0.521	<0.001
CNN2	<0.001	-0.331	0.352	0.550	<0.001
SYNRG	<0.001	-0.255	0.254	0.469	<0.001
PCBP1	<0.001	-0.308	0.690	0.771	<0.001
GLS	<0.001	-0.291	0.290	0.496	<0.001
EIF5	<0.001	-0.353	0.398	0.573	<0.001
STK4	<0.001	-0.288	0.751	0.860	<0.001
HSD17B11	<0.001	-0.255	0.215	0.412	<0.001
LASP1	<0.001	-0.272	0.243	0.444	<0.001
ELOB	<0.001	-0.303	0.755	0.813	<0.001
GNAS	<0.001	-0.259	0.864	0.929	<0.001
SFPQ	<0.001	-0.327	0.459	0.635	<0.001
CD69	<0.001	-0.428	0.450	0.612	<0.001
SORL1	<0.001	-0.345	0.375	0.558	<0.001
PPDPF	<0.001	-0.305	0.593	0.735	<0.001
LCP2	<0.001	-0.267	0.279	0.483	<0.001
IQGAP1	<0.001	-0.314	0.601	0.737	<0.001
YWHAZ	<0.001	-0.286	0.803	0.846	<0.001
GSTP1	<0.001	-0.395	0.744	0.779	<0.001
FYB1	<0.001	-0.324	0.710	0.798	<0.001
CFLAR	<0.001	-0.318	0.570	0.712	<0.001
MFSD10	<0.001	0.250	0.548	0.310	<0.001
NOP53	<0.001	-0.324	0.723	0.794	<0.001
C6orf62	<0.001	-0.276	0.241	0.435	<0.001
FOXP1	<0.001	-0.320	0.281	0.469	<0.001
KANSL1	<0.001	-0.297	0.413	0.596	<0.001
NOP10	<0.001	-0.309	0.426	0.590	<0.001
STAT4	<0.001	-0.256	0.271	0.477	<0.001
PARP8	<0.001	-0.269	0.262	0.458	<0.001
NDUFA1	<0.001	-0.284	0.615	0.735	<0.001

MLLT6	<0.001	-0.287	0.396	0.592	<0.001
MIDN	<0.001	-0.309	0.457	0.625	<0.001
MBP	<0.001	-0.341	0.634	0.746	<0.001
HSP90AB1	<0.001	-0.334	0.741	0.817	<0.001
C1orf56	<0.001	-0.359	0.513	0.671	<0.001
HCST	<0.001	-0.262	0.991	0.992	<0.001
POU2F2	<0.001	-0.266	0.121	0.279	<0.001
KIAA1551	<0.001	-0.328	0.296	0.471	<0.001
SLC25A5	<0.001	-0.299	0.535	0.683	<0.001
SYNE1	<0.001	-0.306	0.446	0.638	<0.001
GNAI2	<0.001	-0.263	0.838	0.906	<0.001
SEPTIN7	<0.001	-0.260	0.862	0.921	<0.001
SEC61G	<0.001	-0.313	0.608	0.710	<0.001
RSL1D1	<0.001	-0.261	0.239	0.419	<0.001
PTGDS	<0.001	0.439	0.274	0.071	<0.001
APOBEC3C	<0.001	-0.309	0.338	0.523	<0.001
TAF7	<0.001	-0.296	0.308	0.492	<0.001
ATRX	<0.001	-0.327	0.435	0.600	<0.001
HNRNPL	<0.001	-0.251	0.214	0.396	<0.001
PABPN1	<0.001	-0.280	0.302	0.488	<0.001
ZRANB2	<0.001	-0.283	0.302	0.490	<0.001
UBE2D3	<0.001	-0.262	0.703	0.800	<0.001
PRELID1	<0.001	-0.274	0.699	0.771	<0.001
CCND3	<0.001	-0.332	0.771	0.804	<0.001
AHNAK	<0.001	-0.324	0.576	0.690	<0.001
STK10	<0.001	-0.306	0.471	0.619	<0.001
LIMD2	<0.001	-0.279	0.856	0.896	<0.001
AAK1	<0.001	-0.289	0.503	0.654	<0.001
ASAH1	<0.001	-0.290	0.257	0.427	<0.001
CAP1	<0.001	-0.281	0.780	0.842	<0.001
ANKRD44	<0.001	-0.297	0.463	0.615	<0.001
GK5	<0.001	-0.254	0.207	0.381	<0.001
BPTF	<0.001	-0.300	0.452	0.613	<0.001
BCL7C	<0.001	-0.251	0.256	0.437	<0.001
ANXA6	<0.001	-0.329	0.672	0.744	<0.001
TAOK3	<0.001	-0.288	0.386	0.552	<0.001
AKAP13	<0.001	-0.297	0.557	0.683	<0.001
ZFP36	<0.001	0.288	0.840	0.698	<0.001
SPG7	<0.001	-0.251	0.211	0.383	<0.001
BZW1	<0.001	-0.274	0.476	0.640	<0.001
NDUFB1	<0.001	-0.273	0.377	0.546	<0.001
HNRNPK	<0.001	-0.254	0.815	0.862	<0.001
ARHGEF3	<0.001	-0.264	0.259	0.437	<0.001

TLN1	<0.001	-0.294	0.460	0.606	<0.001
GRK6	<0.001	-0.286	0.384	0.540	<0.001
ZC3HAV1	<0.001	-0.267	0.306	0.479	<0.001
VASP	<0.001	-0.320	0.478	0.612	<0.001
RPA2	<0.001	-0.258	0.359	0.531	<0.001
SRP9	<0.001	-0.272	0.506	0.646	<0.001
TYROBP	<0.001	-0.322	0.767	0.846	<0.001
PKN1	<0.001	-0.280	0.422	0.583	<0.001
LAMTOR4	<0.001	-0.271	0.566	0.687	<0.001
RBMS1	<0.001	-0.274	0.337	0.510	<0.001
OSTF1	<0.001	-0.303	0.650	0.740	<0.001
ITGAL	<0.001	-0.323	0.499	0.637	<0.001
ATP5IF1	<0.001	-0.287	0.624	0.746	<0.001
CTSC	<0.001	-0.325	0.721	0.771	<0.001
ATP5F1A	<0.001	-0.252	0.484	0.635	<0.001
SNHG8	<0.001	-0.289	0.323	0.473	<0.001
FGR	<0.001	-0.340	0.443	0.571	<0.001
CD47	<0.001	-0.312	0.622	0.710	<0.001
HMGN3	<0.001	-0.276	0.455	0.598	<0.001
OSTC	<0.001	-0.265	0.349	0.510	<0.001
ANXA11	<0.001	-0.278	0.562	0.667	<0.001
IL16	<0.001	-0.261	0.282	0.442	<0.001
ACTN4	<0.001	-0.273	0.508	0.650	<0.001
CDC42SE1	<0.001	-0.301	0.689	0.752	<0.001
AKAP9	<0.001	-0.264	0.330	0.500	<0.001
DAD1	<0.001	-0.253	0.585	0.702	<0.001
CD74	<0.001	0.362	0.846	0.760	<0.001
SCAF11	<0.001	-0.268	0.518	0.644	<0.001
SRRM1	<0.001	-0.261	0.536	0.667	<0.001
SEC61B	<0.001	-0.260	0.684	0.769	<0.001
H2AFY	<0.001	-0.263	0.333	0.479	<0.001
INPP5D	<0.001	-0.264	0.357	0.515	<0.001
ABHD17A	<0.001	-0.295	0.892	0.894	<0.001
ACTR3	<0.001	-0.262	0.718	0.787	<0.001
PSMA1	<0.001	-0.256	0.466	0.594	<0.001
RICTOR	<0.001	-0.254	0.324	0.481	<0.001
EIF3D	<0.001	-0.257	0.469	0.594	<0.001
S100A12	<0.001	-0.505	0.061	0.163	<0.001
APLP2	<0.001	-0.266	0.146	0.279	<0.001
S100B	<0.001	-0.479	0.058	0.158	<0.001
GPSM3	<0.001	-0.267	0.710	0.760	<0.001
DGKZ	<0.001	-0.263	0.465	0.608	<0.001
ARID1B	<0.001	-0.288	0.473	0.600	<0.001

IFI16	<0.001	-0.259	0.525	0.648	<0.001
EFHD2	<0.001	-0.288	0.922	0.931	<0.001
NOSIP	<0.001	-0.300	0.340	0.467	<0.001
PRKCH	<0.001	-0.269	0.466	0.600	<0.001
EVI2B	<0.001	-0.253	0.316	0.448	<0.001
TKT	<0.001	-0.280	0.230	0.360	<0.001
TNRC6B	<0.001	-0.307	0.444	0.562	<0.001
PTPN6	<0.001	-0.261	0.595	0.675	<0.001
ARID4B	<0.001	-0.278	0.518	0.627	<0.001
ID2	<0.001	-0.271	0.778	0.810	<0.001
PAXX	<0.001	-0.261	0.608	0.681	<0.001
ANKRD11	<0.001	-0.263	0.515	0.615	<0.001
POLR2J3.1	<0.001	-0.265	0.456	0.554	<0.001
ANKRD12	<0.001	-0.253	0.606	0.677	<0.001
EIF3A	<0.001	-0.252	0.417	0.521	<0.001
SYNE2	<0.001	-0.274	0.657	0.704	<0.001
NFKBIA	<0.001	-0.267	0.471	0.575	<0.001
CCL3	<0.001	-0.427	0.194	0.285	0.001
TUBA1A	<0.001	-0.270	0.494	0.535	0.001
PSAP	<0.001	-0.319	0.415	0.481	0.001
NR4A2	<0.001	-0.266	0.246	0.325	0.005

Table SXVI. Differentially expressed genes between the X-SCID patient and the healthy cells in the NK cluster

Gene	p_val	avg_logFC	pct.1	pct.2	p_val_adj
IFITM1	<0.001	1.526	0.974	0.300	<0.001
HBB	<0.001	1.191	0.813	0.004	<0.001
HBA1	<0.001	1.980	0.742	0.008	<0.001
XIST	<0.001	0.905	0.710	0.000	<0.001
HBA2	<0.001	2.031	0.703	0.004	<0.001
IL32	<0.001	1.244	0.994	0.511	<0.001
FOS	<0.001	-1.662	0.316	0.954	<0.001
TPT1	<0.001	-0.680	1.000	1.000	<0.001
EEF1A1	<0.001	-0.667	1.000	1.000	<0.001
LYZ	<0.001	-1.426	0.097	0.797	<0.001
FOSB	<0.001	-1.390	0.135	0.819	<0.001
GNLY	<0.001	-0.966	0.994	0.996	<0.001
FCER1G	<0.001	-1.030	0.658	0.992	<0.001
DDX5	<0.001	-0.777	0.981	1.000	<0.001
TNFAIP3	<0.001	1.000	0.742	0.114	<0.001
DDIT4	<0.001	1.101	0.890	0.312	<0.001
H3F3B	<0.001	-0.753	0.987	1.000	<0.001
IFI6	<0.001	0.917	0.832	0.198	<0.001
IFI44L	<0.001	0.838	0.626	0.021	<0.001
HOPX	<0.001	-1.087	0.710	0.945	<0.001
GZMH	<0.001	0.925	0.994	0.675	<0.001
IL2RB	<0.001	-1.101	0.297	0.865	<0.001
GIMAP7	<0.001	-0.914	0.542	0.958	<0.001
DDX17	<0.001	-0.839	0.600	0.928	<0.001
CD7	<0.001	-0.861	0.755	0.966	<0.001
TSC22D3	<0.001	0.934	0.961	0.616	<0.001
KLRB1	<0.001	-1.012	0.658	0.949	<0.001
RACK1	<0.001	-0.642	0.968	1.000	<0.001
AC004687.1	<0.001	-1.016	0.187	0.781	<0.001
C1orf162	<0.001	-0.882	0.200	0.789	<0.001
IGFBP7	<0.001	-0.962	0.058	0.667	<0.001
HLA-C	<0.001	0.402	1.000	1.000	<0.001
MYL12A	<0.001	-0.579	1.000	1.000	<0.001
CD2	<0.001	0.717	0.832	0.232	<0.001
JUN	<0.001	-1.183	0.703	0.958	<0.001
CST7	<0.001	0.531	1.000	0.983	<0.001
EIF1	<0.001	-0.502	1.000	1.000	<0.001
PLAC8	<0.001	-0.800	0.794	0.970	<0.001
CMC1	<0.001	-1.186	0.110	0.667	<0.001

TMA7	<0.001	-0.655	0.826	0.975	<0.001
NEAT1	<0.001	-0.813	0.948	1.000	<0.001
LY6E	<0.001	0.711	1.000	0.764	<0.001
ATP5MG	<0.001	-0.594	0.839	0.987	<0.001
EIF3G	<0.001	-0.797	0.606	0.924	<0.001
KLRG1	<0.001	-0.922	0.045	0.599	<0.001
HNRNPA2B1	<0.001	-0.625	0.929	1.000	<0.001
AC007952.4	<0.001	-0.946	0.006	0.557	<0.001
CCL4L2	<0.001	1.352	0.426	0.000	<0.001
ITGB2	<0.001	-0.632	0.955	0.996	<0.001
LAG3	<0.001	0.515	0.445	0.008	<0.001
SAMD3	<0.001	-0.770	0.335	0.789	<0.001
ACAP1	<0.001	-0.789	0.394	0.823	<0.001
ATP5F1E	<0.001	-0.544	0.961	0.996	<0.001
HLA-DPB1	<0.001	0.709	0.865	0.354	<0.001
PABPC1	<0.001	-0.705	0.716	0.937	<0.001
TOMM7	<0.001	-0.624	0.768	0.979	<0.001
ATM	<0.001	-0.835	0.426	0.827	<0.001
LAIR2	<0.001	0.691	0.632	0.131	<0.001
MTRNR2L12	<0.001	-0.689	0.006	0.515	<0.001
AKR1C3	<0.001	-0.891	0.103	0.620	<0.001
LCP1	<0.001	-0.674	0.716	0.941	<0.001
HLA-DRB1	<0.001	0.621	0.716	0.232	<0.001
PTMA	<0.001	-0.479	1.000	1.000	<0.001
EEF1B2	<0.001	-0.606	0.929	0.996	<0.001
GZMM	<0.001	-0.682	0.794	0.920	<0.001
CXXC5	<0.001	-0.664	0.058	0.561	<0.001
TXNIP	<0.001	-0.703	0.948	0.987	<0.001
PILRB	<0.001	-0.657	0.110	0.608	<0.001
HLA-DQA2	<0.001	0.524	0.445	0.034	<0.001
MBNL1	<0.001	-0.654	0.471	0.827	<0.001
EIF5A	<0.001	-0.682	0.542	0.873	<0.001
CIRBP	<0.001	-0.640	0.813	0.954	<0.001
COX7C	<0.001	-0.545	0.781	0.979	<0.001
CORO1A	<0.001	-0.578	0.929	1.000	<0.001
CD160	<0.001	-0.860	0.116	0.599	<0.001
KIR2DL1	<0.001	0.456	0.477	0.055	<0.001
NACA	<0.001	-0.450	0.994	1.000	<0.001
HINT1	<0.001	-0.579	0.697	0.907	<0.001
MALAT1	<0.001	-0.336	1.000	1.000	<0.001
CLIC3	<0.001	-0.946	0.561	0.857	<0.001
SRSF3	<0.001	-0.668	0.619	0.861	<0.001
JAK1	<0.001	-0.678	0.665	0.911	<0.001

TRDC	<0.001	-0.797	0.729	0.882	<0.001
KLF2	<0.001	-0.567	0.916	0.992	<0.001
FUS	<0.001	-0.620	0.819	0.907	<0.001
CCND3	<0.001	-0.574	0.748	0.932	<0.001
POLR2L	<0.001	-0.655	0.516	0.831	<0.001
TMSB10	<0.001	-0.385	1.000	1.000	<0.001
LTB	<0.001	-0.579	0.000	0.439	<0.001
SLFN5	<0.001	-0.708	0.161	0.612	<0.001
LSP1	<0.001	-0.561	0.787	0.932	<0.001
METRNL	<0.001	0.623	0.813	0.435	<0.001
IER2	<0.001	-0.677	0.819	0.987	<0.001
SLC38A2	<0.001	-0.703	0.148	0.599	<0.001
HLA-B	<0.001	0.270	1.000	1.000	<0.001
IRF9	<0.001	0.540	0.652	0.203	<0.001
HLA-DPA1	<0.001	0.531	0.884	0.519	<0.001
SERPINB6	<0.001	-0.624	0.077	0.532	<0.001
MYL6	<0.001	-0.431	1.000	1.000	<0.001
H3F3A	<0.001	-0.430	0.994	1.000	<0.001
APOBEC3G	<0.001	-0.661	0.632	0.840	<0.001
WSB1	<0.001	-0.693	0.200	0.629	<0.001
S100B	<0.001	0.624	0.542	0.110	<0.001
MYBL1	<0.001	-0.666	0.123	0.565	<0.001
GIMAP1	<0.001	-0.606	0.232	0.662	<0.001
SLC25A3	<0.001	-0.533	0.632	0.865	<0.001
KLRC1	<0.001	-0.966	0.026	0.451	<0.001
SAT1	<0.001	-0.729	0.542	0.840	<0.001
CCL4	<0.001	1.139	0.948	0.814	<0.001
PNISR	<0.001	-0.592	0.606	0.890	<0.001
RIPOR2	<0.001	-0.660	0.432	0.785	<0.001
ARHGEF1	<0.001	-0.609	0.458	0.806	<0.001
S100A9	<0.001	-1.286	0.355	0.755	<0.001
RSRP1	<0.001	-0.643	0.503	0.806	<0.001
ACTG1	<0.001	-0.544	1.000	1.000	<0.001
LINC00861	<0.001	-0.554	0.103	0.527	<0.001
LUC7L3	<0.001	-0.609	0.400	0.747	<0.001
IFIT3	<0.001	0.343	0.413	0.055	<0.001
CASP8	<0.001	-0.601	0.155	0.586	<0.001
ICAM3	<0.001	-0.579	0.574	0.848	<0.001
COTL1	<0.001	-0.668	0.052	0.481	<0.001
EPSTI1	<0.001	0.443	0.465	0.089	<0.001
LAPTM5	<0.001	-0.549	0.755	0.911	<0.001
SLC25A6	<0.001	-0.555	0.671	0.890	<0.001
PTMS	<0.001	0.382	0.323	0.017	<0.001

XCL2	<0.001	-0.541	0.013	0.401	<0.001
HNRNPU	<0.001	-0.557	0.626	0.861	<0.001
UBA52	<0.001	-0.364	1.000	1.000	<0.001
CCL5	<0.001	0.531	1.000	0.717	<0.001
SEPTIN6	<0.001	-0.598	0.335	0.705	<0.001
ITGAM	<0.001	-0.581	0.142	0.549	<0.001
TBC1D10C	<0.001	-0.576	0.561	0.840	<0.001
TMSB4X	<0.001	-0.286	1.000	1.000	<0.001
HNRNPA0	<0.001	-0.542	0.290	0.688	<0.001
MATK	<0.001	-0.621	0.471	0.802	<0.001
SYNGR1	<0.001	0.498	0.510	0.135	<0.001
MYO1F	<0.001	-0.495	0.735	0.907	<0.001
CTSD	<0.001	-0.540	0.716	0.903	<0.001
COX6C	<0.001	-0.442	0.858	0.941	<0.001
UQCRB	<0.001	-0.449	0.806	0.970	<0.001
PFDN5	<0.001	-0.434	0.916	0.992	<0.001
SERF2	<0.001	-0.365	1.000	1.000	<0.001
ABRACL	<0.001	-0.515	0.335	0.705	<0.001
ISG15	<0.001	0.552	0.768	0.418	<0.001
XCL1	<0.001	-0.555	0.000	0.350	<0.001
NSG1	<0.001	0.315	0.290	0.013	<0.001
ELOB	<0.001	-0.444	0.729	0.924	<0.001
ACTB	<0.001	-0.499	1.000	1.000	<0.001
SUN2	<0.001	-0.516	0.632	0.865	<0.001
GMFG	<0.001	-0.510	0.800	0.911	<0.001
COMMD6	<0.001	-0.469	0.755	0.920	<0.001
FGFBP2	<0.001	0.497	0.994	0.861	<0.001
CELF2	<0.001	-0.586	0.574	0.835	<0.001
SAMHD1	<0.001	-0.594	0.316	0.658	<0.001
CCNL1	<0.001	-0.668	0.368	0.679	<0.001
TBX21	<0.001	-0.549	0.297	0.671	<0.001
GSTP1	<0.001	-0.520	0.813	0.886	<0.001
CD164	<0.001	-0.505	0.523	0.823	<0.001
ANXA6	<0.001	-0.522	0.581	0.814	<0.001
RAP1B	<0.001	-0.466	0.923	0.979	<0.001
HNRNPH1	<0.001	-0.586	0.535	0.793	<0.001
XAF1	<0.001	0.480	0.697	0.325	<0.001
HNRNPF	<0.001	-0.487	0.606	0.861	<0.001
ARPC5	<0.001	-0.555	0.613	0.814	<0.001
RBM25	<0.001	-0.555	0.394	0.717	<0.001
GADD45B	<0.001	-0.583	0.213	0.591	<0.001
ITM2B	<0.001	-0.396	0.942	0.987	<0.001
ACTR2	<0.001	-0.498	0.606	0.802	<0.001

GNAS	<0.001	-0.521	0.774	0.895	<0.001
FAM49B	<0.001	-0.471	0.800	0.911	<0.001
CFL1	<0.001	-0.349	1.000	1.000	<0.001
STK17A	<0.001	-0.548	0.310	0.637	<0.001
YBX1	<0.001	-0.418	0.890	0.949	<0.001
PLEK	<0.001	-0.502	0.716	0.907	<0.001
ARHGAP30	<0.001	-0.528	0.387	0.700	<0.001
ARPC2	<0.001	-0.383	0.981	0.996	<0.001
CEMIP2	<0.001	0.407	0.523	0.181	<0.001
CLIC1	<0.001	-0.409	0.981	0.992	<0.001
AC245297.3	<0.001	-0.579	0.381	0.671	<0.001
ITGAL	<0.001	-0.551	0.413	0.700	<0.001
PRMT2	<0.001	-0.571	0.581	0.793	<0.001
CST3	<0.001	-0.513	0.013	0.321	<0.001
KLF6	<0.001	-0.580	0.587	0.865	<0.001
GTF3C1	<0.001	0.364	0.452	0.122	<0.001
CEBPD	<0.001	-0.581	0.271	0.624	<0.001
ACTR3	<0.001	-0.461	0.658	0.869	<0.001
DOK2	<0.001	-0.540	0.626	0.810	<0.001
PTGDR	<0.001	-0.541	0.206	0.553	<0.001
PNN	<0.001	-0.534	0.445	0.726	<0.001
GABPB1-AS1	<0.001	-0.551	0.123	0.464	<0.001
LIMD2	<0.001	-0.439	0.865	0.979	<0.001
ATP5MPL	<0.001	-0.480	0.561	0.781	<0.001
ARL6IP4	<0.001	-0.451	0.490	0.764	<0.001
FYB1	<0.001	-0.465	0.684	0.831	<0.001
PCBP2	<0.001	-0.481	0.529	0.764	<0.001
NKTR	<0.001	-0.591	0.329	0.633	<0.001
SELL	<0.001	-0.630	0.045	0.363	<0.001
ABHD17A	<0.001	-0.427	0.897	0.949	<0.001
NDUFB1	<0.001	-0.488	0.323	0.637	<0.001
PPP1R10	<0.001	-0.502	0.135	0.477	<0.001
CD63	<0.001	-0.460	0.858	0.958	<0.001
TPM3	<0.001	-0.449	0.697	0.886	<0.001
RBM3	<0.001	-0.509	0.658	0.831	<0.001
PTPN6	<0.001	-0.520	0.484	0.776	<0.001
PRSS23	<0.001	0.447	0.787	0.477	<0.001
OASL	<0.001	0.267	0.316	0.046	<0.001
IFI27	<0.001	0.753	0.226	0.008	<0.001
A2M-AS1	<0.001	-0.414	0.013	0.304	<0.001
HES4	<0.001	0.310	0.245	0.017	<0.001
SYTL1	<0.001	-0.512	0.323	0.633	<0.001
NOP53	<0.001	-0.444	0.535	0.797	<0.001

CHI3L2	<0.001	-0.508	0.084	0.409	<0.001
FKBP1A	<0.001	-0.423	0.368	0.675	<0.001
UBL5	<0.001	-0.392	0.755	0.911	<0.001
SRSF2	<0.001	-0.461	0.587	0.789	<0.001
TLE4	<0.001	-0.585	0.219	0.532	<0.001
KLRD1	<0.001	-0.369	0.968	0.992	<0.001
ZFP36L1	<0.001	-0.522	0.290	0.629	<0.001
SSR4	<0.001	-0.403	0.794	0.907	<0.001
PSMB10	<0.001	0.434	0.626	0.312	<0.001
MBP	<0.001	-0.513	0.606	0.819	<0.001
HELZ	<0.001	-0.465	0.181	0.511	<0.001
IL18RAP	<0.001	-0.382	0.052	0.359	<0.001
MIB2	<0.001	-0.401	0.142	0.481	<0.001
DDAH2	<0.001	-0.369	0.032	0.329	<0.001
GBP1	<0.001	0.259	0.574	0.224	<0.001
NPM1	<0.001	-0.389	0.903	0.937	<0.001
LYST	<0.001	-0.422	0.065	0.371	<0.001
IER5	<0.001	-0.497	0.155	0.477	<0.001
GCHFR	<0.001	-0.420	0.058	0.371	<0.001
EIF3E	<0.001	-0.394	0.600	0.793	<0.001
PSTPIP1	<0.001	-0.422	0.155	0.485	<0.001
GZMA	<0.001	-0.350	0.974	0.975	<0.001
EIF4A2	<0.001	-0.445	0.600	0.831	<0.001
CAP1	<0.001	-0.435	0.755	0.895	<0.001
CFLAR	<0.001	-0.470	0.497	0.768	<0.001
NDUFA12	<0.001	-0.423	0.516	0.772	<0.001
ISG20	<0.001	0.374	0.761	0.414	<0.001
ARRB2	<0.001	-0.441	0.277	0.586	<0.001
DDX3Y	<0.001	-0.334	0.006	0.270	<0.001
NOP10	<0.001	-0.461	0.426	0.667	<0.001
TRAF3IP3	<0.001	-0.470	0.594	0.823	<0.001
PTPRC	<0.001	-0.340	0.987	0.996	<0.001
SH3BP5	<0.001	-0.461	0.323	0.612	<0.001
STK10	<0.001	-0.461	0.477	0.730	<0.001
N4BP2L2	<0.001	-0.468	0.568	0.781	<0.001
CX3CR1	<0.001	-0.573	0.484	0.726	<0.001
CD47	<0.001	-0.493	0.665	0.772	<0.001
OST4	<0.001	-0.354	0.781	0.907	<0.001
NCR3	<0.001	-0.469	0.181	0.494	<0.001
RAC2	<0.001	-0.359	0.968	0.979	<0.001
NDUFB7	<0.001	-0.413	0.574	0.810	<0.001
PCBP1	<0.001	-0.404	0.723	0.873	<0.001
PRPF38B	<0.001	-0.473	0.374	0.679	<0.001

ILF3-DT	<0.001	-0.505	0.213	0.515	<0.001
TMC8	<0.001	-0.428	0.277	0.591	<0.001
NUCB2	<0.001	-0.423	0.129	0.439	<0.001
ARHGAP45	<0.001	-0.456	0.335	0.633	<0.001
TXK	<0.001	-0.478	0.348	0.637	<0.001
SRSF5	<0.001	-0.378	0.819	0.932	<0.001
CEBPB	<0.001	0.389	0.690	0.346	<0.001
MACF1	<0.001	-0.484	0.335	0.650	<0.001
CTSS	<0.001	-0.539	0.465	0.722	<0.001
EEF2	<0.001	-0.380	0.748	0.920	<0.001
AK5	<0.001	-0.288	0.000	0.241	<0.001
GSN	<0.001	-0.366	0.065	0.350	<0.001
ANAPC16	<0.001	-0.445	0.529	0.751	<0.001
AMD1	<0.001	-0.437	0.148	0.447	<0.001
TRA2B	<0.001	-0.457	0.355	0.633	<0.001
DENND2D	<0.001	-0.529	0.394	0.654	<0.001
UTRN	<0.001	-0.499	0.368	0.629	<0.001
PECAM1	<0.001	-0.328	0.000	0.236	<0.001
APLP2	<0.001	-0.448	0.194	0.489	<0.001
CDC42	<0.001	-0.345	0.929	0.954	<0.001
ZRANB2	<0.001	-0.451	0.226	0.527	<0.001
HCST	<0.001	-0.375	0.987	0.987	<0.001
OGT	<0.001	-0.445	0.187	0.481	<0.001
AES	<0.001	-0.352	0.916	0.954	<0.001
BRD2	<0.001	-0.451	0.329	0.612	<0.001
DUSP1	<0.001	-0.618	0.665	0.878	<0.001
GLRX	<0.001	-0.441	0.452	0.709	<0.001
CXCR4	<0.001	0.530	0.574	0.274	<0.001
SLC25A5	<0.001	-0.463	0.535	0.751	<0.001
CRIP1	<0.001	0.352	0.606	0.291	<0.001
AKAP13	<0.001	-0.463	0.503	0.743	<0.001
ZNF207	<0.001	-0.450	0.368	0.646	<0.001
HDAC7	<0.001	-0.359	0.090	0.371	<0.001
FGR	<0.001	-0.442	0.458	0.709	<0.001
SH2D1A	<0.001	-0.349	0.084	0.363	<0.001
BIN2	<0.001	-0.418	0.723	0.865	<0.001
UBE2I	<0.001	-0.435	0.452	0.675	<0.001
ARPC5L	<0.001	-0.419	0.632	0.785	<0.001
GPX4	<0.001	-0.391	0.400	0.667	<0.001
PCSK7	<0.001	-0.466	0.652	0.793	<0.001
IKZF2	<0.001	-0.252	0.000	0.224	<0.001
ORAI2	<0.001	-0.376	0.103	0.384	<0.001
CASP4	<0.001	-0.468	0.413	0.662	<0.001

HNRNPK	<0.001	-0.375	0.845	0.865	<0.001
ATP5MD	<0.001	-0.387	0.523	0.785	<0.001
OAZ1	<0.001	-0.324	0.948	0.983	<0.001
GIMAP4	<0.001	-0.530	0.452	0.662	<0.001
ATP5ME	<0.001	-0.419	0.568	0.764	<0.001
PKN1	<0.001	-0.441	0.394	0.646	<0.001
SON	<0.001	-0.389	0.703	0.835	<0.001
HMGB1	<0.001	-0.376	0.929	0.987	<0.001
ARHGEF3	<0.001	-0.387	0.232	0.544	<0.001
EOMES	<0.001	-0.378	0.084	0.354	<0.001
VASP	<0.001	-0.415	0.529	0.743	<0.001
CD37	<0.001	-0.400	0.800	0.873	<0.001
IKZF1	<0.001	-0.420	0.606	0.768	<0.001
UQCR11	<0.001	-0.365	0.768	0.878	<0.001
SKAP2	<0.001	-0.316	0.058	0.321	<0.001
SIPA1	<0.001	-0.462	0.297	0.578	<0.001
AHNAK	<0.001	-0.470	0.445	0.671	<0.001
SRSF11	<0.001	-0.423	0.510	0.734	<0.001
APMAP	<0.001	-0.392	0.632	0.814	<0.001
TSPO	<0.001	-0.456	0.503	0.675	<0.001
IQGAP1	<0.001	-0.381	0.626	0.806	<0.001
PYHIN1	<0.001	-0.492	0.452	0.675	<0.001
EIF1AY	<0.001	-0.256	0.006	0.228	<0.001
SEC61B	<0.001	-0.385	0.639	0.827	<0.001
CNDP2	<0.001	-0.304	0.071	0.333	<0.001
MZT2B	<0.001	-0.385	0.523	0.717	<0.001
KANSL1	<0.001	-0.393	0.374	0.641	<0.001
AKAP9	<0.001	-0.483	0.232	0.498	<0.001
CD74	<0.001	0.497	0.910	0.768	<0.001
SYNE1	<0.001	-0.468	0.413	0.654	<0.001
IVNS1ABP	<0.001	-0.404	0.181	0.460	<0.001
P4HB	<0.001	-0.399	0.510	0.734	<0.001
DTHD1	<0.001	-0.290	0.019	0.245	<0.001
LASP1	<0.001	-0.372	0.245	0.536	<0.001
TSPAN3	<0.001	-0.327	0.071	0.325	<0.001
SSR2	<0.001	-0.362	0.755	0.865	<0.001
TRAPPC6A	<0.001	-0.316	0.110	0.384	<0.001
LST1	<0.001	-0.417	0.006	0.219	<0.001
S100A10	<0.001	-0.328	0.774	0.873	<0.001
MSN	<0.001	-0.367	0.748	0.852	<0.001
PPP1CA	<0.001	-0.352	0.774	0.890	<0.001
PPP1R12A	<0.001	-0.407	0.406	0.667	<0.001
PDLIM2	<0.001	-0.346	0.252	0.536	<0.001

EIF3L	<0.001	-0.412	0.374	0.624	<0.001
SFPQ	<0.001	-0.396	0.419	0.667	<0.001
TGFB1	<0.001	-0.359	0.794	0.903	<0.001
ANKRD44	<0.001	-0.439	0.381	0.620	<0.001
BTF3	<0.001	-0.315	0.923	0.970	<0.001
GK5	<0.001	-0.421	0.213	0.489	<0.001
SNHG9	<0.001	-0.323	0.084	0.346	<0.001
SEC11A	<0.001	-0.393	0.594	0.759	<0.001
RGS1	<0.001	0.374	0.374	0.122	<0.001
NDUFA3	<0.001	-0.367	0.465	0.705	<0.001
CAPZB	<0.001	-0.362	0.652	0.814	<0.001
GNAI2	<0.001	-0.332	0.858	0.920	<0.001
SARAF	<0.001	-0.331	0.755	0.903	<0.001
YWHAZ	<0.001	-0.376	0.768	0.865	<0.001
DYNLL1	<0.001	-0.433	0.613	0.781	<0.001
HNRNPA3	<0.001	-0.344	0.748	0.882	<0.001
SPOCK2	<0.001	0.297	0.555	0.266	<0.001
SMAD2	<0.001	-0.337	0.097	0.350	<0.001
ENO1	<0.001	-0.383	0.774	0.865	<0.001
FMNL1	<0.001	-0.381	0.697	0.806	<0.001
CITED2	<0.001	-0.358	0.097	0.350	<0.001
LCP2	<0.001	-0.373	0.297	0.557	<0.001
ARPC3	<0.001	-0.279	0.955	0.987	<0.001
CYB5B	<0.001	-0.315	0.142	0.405	<0.001
PARK7	<0.001	-0.342	0.710	0.802	<0.001
EIF3F	<0.001	-0.348	0.658	0.819	<0.001
TYROBP	<0.001	-0.295	0.955	0.992	<0.001
HNRNPA1	<0.001	-0.347	0.858	0.962	<0.001
APEX1	<0.001	-0.318	0.194	0.460	<0.001
BEX4	<0.001	-0.269	0.052	0.291	<0.001
LAMTOR4	<0.001	-0.350	0.548	0.751	<0.001
ZFAS1	<0.001	-0.370	0.303	0.570	<0.001
ETS1	<0.001	-0.442	0.394	0.620	<0.001
FCN1	<0.001	-0.424	0.000	0.190	<0.001
SERPINB1	<0.001	-0.357	0.561	0.764	<0.001
RHOC	<0.001	-0.498	0.555	0.730	<0.001
EIF4G2	<0.001	-0.362	0.400	0.662	<0.001
ATP5F1A	<0.001	-0.363	0.394	0.646	<0.001
BRK1	<0.001	-0.325	0.697	0.835	<0.001
SET	<0.001	-0.394	0.710	0.819	<0.001
CSTB	<0.001	-0.372	0.406	0.662	<0.001
CSK	<0.001	-0.387	0.529	0.722	<0.001
CDC42SE1	<0.001	-0.441	0.639	0.768	<0.001

HSH2D	<0.001	-0.337	0.226	0.498	<0.001
RCSD1	<0.001	-0.380	0.239	0.494	<0.001
MCTP2	<0.001	-0.324	0.194	0.473	<0.001
CD99	<0.001	-0.322	0.890	0.949	<0.001
VCAN	<0.001	-0.367	0.000	0.186	<0.001
YIPF4	<0.001	-0.381	0.206	0.456	<0.001
GTF3A	<0.001	-0.407	0.568	0.722	<0.001
PPP1R18	<0.001	-0.343	0.677	0.819	<0.001
INTS6	<0.001	-0.443	0.168	0.414	<0.001
C6orf62	<0.001	-0.375	0.206	0.464	<0.001
OSBPL5	<0.001	-0.274	0.090	0.333	<0.001
EIF4A1	<0.001	-0.406	0.510	0.692	<0.001
TMC6	<0.001	-0.401	0.342	0.565	<0.001
FHL3	<0.001	-0.298	0.084	0.321	<0.001
PSMA4	<0.001	-0.371	0.400	0.637	<0.001
MYO1G	<0.001	-0.379	0.497	0.738	<0.001
TNFRSF1A	<0.001	-0.306	0.142	0.409	<0.001
GIT2	<0.001	-0.318	0.077	0.308	<0.001
GTF2I	<0.001	-0.309	0.135	0.392	0.001
TPST2	<0.001	-0.401	0.458	0.671	0.001
MAPK1	<0.001	-0.376	0.335	0.586	0.001
WDR74	<0.001	-0.304	0.077	0.308	0.001
ARPC4	<0.001	-0.308	0.800	0.886	0.001
AIF1	<0.001	-0.395	0.006	0.190	0.001
CYBA	<0.001	-0.276	1.000	1.000	0.001
EFHD2	<0.001	-0.281	0.929	0.975	0.001
COX4I1	<0.001	-0.284	0.942	0.983	0.001
DIP2A	<0.001	-0.382	0.297	0.553	0.001
PRPF40A	<0.001	-0.341	0.271	0.523	0.001
ITGB7	<0.001	0.308	0.671	0.409	0.001
NDUFA1	<0.001	-0.316	0.510	0.747	0.001
SF3B1	<0.001	-0.386	0.413	0.641	0.001
GIMAP6	<0.001	-0.330	0.142	0.388	0.001
TYMP	<0.001	0.295	0.594	0.316	0.001
OFD1	<0.001	-0.306	0.213	0.473	0.001
SASH3	<0.001	-0.367	0.316	0.570	0.001
RAB11FIP1	<0.001	-0.378	0.200	0.451	0.001
GYPC	<0.001	-0.371	0.503	0.684	0.001
DUSP6	<0.001	-0.299	0.019	0.211	0.001
TKT	<0.001	-0.371	0.232	0.477	0.001
TSTD1	<0.001	-0.370	0.290	0.536	0.001
CBX3	<0.001	-0.372	0.277	0.515	0.001
HSPA8	<0.001	-0.355	0.897	0.941	0.001

ARGLU1	<0.001	-0.405	0.477	0.662	0.001
C9orf16	<0.001	-0.388	0.471	0.662	0.001
S100A8	<0.001	-0.958	0.406	0.650	0.002
PTPN12	<0.001	-0.321	0.310	0.565	0.002
SUMO2	<0.001	-0.279	0.871	0.958	0.002
SPG7	<0.001	-0.317	0.148	0.392	0.002
ARID1B	<0.001	-0.427	0.374	0.603	0.002
DHRS3	<0.001	-0.275	0.065	0.278	0.002
DAD1	<0.001	-0.326	0.555	0.726	0.002
ARHGAP9	<0.001	-0.391	0.303	0.540	0.002
MIDN	<0.001	-0.382	0.432	0.624	0.002
STAG2	<0.001	-0.293	0.148	0.388	0.002
S100PBP	<0.001	-0.259	0.065	0.278	0.002
SCLT1	<0.001	-0.325	0.103	0.329	0.002
ASAP1	<0.001	-0.262	0.052	0.257	0.002
C4orf3	<0.001	-0.339	0.581	0.768	0.002
PMAIP1	<0.001	-0.351	0.084	0.304	0.002
ANKRD12	<0.001	-0.354	0.490	0.722	0.002
UQCR10	<0.001	-0.364	0.574	0.751	0.002
SKP1	<0.001	-0.293	0.761	0.852	0.002
STAT1	<0.001	0.278	0.523	0.270	0.002
PABPN1	<0.001	-0.306	0.277	0.527	0.003
EVL	<0.001	-0.294	0.935	0.975	0.003
LENG8	<0.001	-0.338	0.245	0.485	0.003
PA2G4	<0.001	-0.370	0.374	0.608	0.003
SEC61G	<0.001	-0.388	0.555	0.705	0.003
SORL1	<0.001	-0.427	0.323	0.532	0.003
CEP78	<0.001	-0.387	0.284	0.532	0.003
APRT	<0.001	-0.344	0.639	0.781	0.003
NEIL1	<0.001	-0.284	0.019	0.198	0.004
NFKBIA	<0.001	0.522	0.665	0.447	0.004
TLN1	<0.001	-0.346	0.477	0.658	0.004
SERP1	<0.001	-0.339	0.600	0.743	0.004
TAF7	<0.001	-0.356	0.303	0.532	0.004
ZBTB16	<0.001	-0.329	0.168	0.401	0.004
SMG1	<0.001	-0.322	0.168	0.414	0.004
SEPTIN2	<0.001	-0.300	0.181	0.414	0.004
CHD9	<0.001	-0.350	0.187	0.414	0.004
PRRC2C	<0.001	-0.339	0.652	0.797	0.004
AC245014.3	<0.001	-0.262	0.032	0.219	0.005
MAPRE2	<0.001	-0.269	0.181	0.430	0.005
SUMF2	<0.001	-0.309	0.155	0.384	0.005
ANXA11	<0.001	-0.360	0.568	0.722	0.006

ASAH1	<0.001	-0.336	0.258	0.485	0.006
PSMA1	<0.001	-0.346	0.452	0.641	0.006
TNFAIP8	<0.001	-0.350	0.252	0.481	0.006
NCR1	<0.001	-0.263	0.110	0.333	0.006
MRPL52	<0.001	-0.320	0.200	0.430	0.007
SRP9	<0.001	-0.355	0.516	0.679	0.007
APOBEC3C	<0.001	-0.390	0.342	0.549	0.007
CHD2	<0.001	-0.328	0.129	0.350	0.007
GNG2	<0.001	-0.377	0.529	0.700	0.009
SERBP1	<0.001	-0.347	0.561	0.722	0.009
LGALS1	<0.001	0.275	0.916	0.747	0.009
ATP5MC2	<0.001	-0.293	0.806	0.899	0.010
AC103591.3	<0.001	-0.293	0.019	0.190	0.010
EDF1	<0.001	-0.282	0.794	0.869	0.010
TAPBP	<0.001	-0.353	0.626	0.747	0.010
RBBP4	<0.001	-0.349	0.265	0.481	0.010
USP47	<0.001	-0.266	0.110	0.329	0.011
XBP1	<0.001	-0.366	0.690	0.823	0.011
ATP5F1B	<0.001	-0.349	0.574	0.709	0.011
HENMT1	<0.001	-0.251	0.084	0.291	0.011
IRF1	<0.001	0.361	0.903	0.802	0.011
AAK1	<0.001	-0.365	0.394	0.595	0.011
CARHSP1	<0.001	-0.279	0.161	0.388	0.011
ATP5IF1	<0.001	-0.312	0.645	0.785	0.012
NEMF	<0.001	-0.341	0.226	0.443	0.013
BTG1	<0.001	0.273	0.987	0.983	0.013
WIPF1	<0.001	-0.390	0.432	0.620	0.013
SUGP2	<0.001	-0.254	0.116	0.342	0.014
DECR1	<0.001	-0.308	0.232	0.464	0.015
HNRNPD	<0.001	-0.324	0.632	0.751	0.015
RBMS1	<0.001	-0.372	0.258	0.468	0.015
TES	<0.001	-0.298	0.284	0.527	0.015
UBE2D3	<0.001	-0.336	0.684	0.802	0.015
EIF3H	<0.001	-0.302	0.548	0.713	0.017
CCDC85B	<0.001	-0.340	0.561	0.696	0.017
SRSF10	<0.001	-0.318	0.284	0.515	0.018
FAM107B	<0.001	-0.392	0.329	0.519	0.018
IFITM2	<0.001	-0.264	0.987	0.975	0.018
IFI16	<0.001	-0.387	0.542	0.692	0.018
PPP1R15A	<0.001	-0.395	0.323	0.523	0.019
SRSF8	<0.001	-0.271	0.142	0.363	0.019
CAPZA1	<0.001	-0.318	0.413	0.633	0.020
INPP5D	<0.001	-0.315	0.381	0.586	0.020

ATP5MF	<0.001	-0.315	0.645	0.764	0.020
ZFP36	<0.001	0.385	0.832	0.637	0.020
UCP2	<0.001	-0.321	0.748	0.861	0.023
FOXP1	<0.001	-0.366	0.303	0.502	0.023
PPP1R35	<0.001	-0.255	0.142	0.359	0.025
NDUFB2	<0.001	-0.288	0.729	0.865	0.026
COX7A2	<0.001	-0.297	0.755	0.831	0.027
PCNX4	<0.001	-0.308	0.110	0.316	0.027
REL	<0.001	-0.338	0.265	0.464	0.028
POLR2J3.1	<0.001	-0.353	0.368	0.595	0.029
CDK6	<0.001	-0.253	0.039	0.211	0.030
CCNI	<0.001	-0.277	0.781	0.865	0.033
HMGN1	<0.001	-0.333	0.568	0.722	0.034
AKT1	<0.001	-0.269	0.219	0.451	0.036
LNPEP	<0.001	-0.309	0.258	0.489	0.036
ATF4	<0.001	-0.317	0.200	0.409	0.038
PAXX	<0.001	-0.324	0.535	0.717	0.038
RASAL3	<0.001	-0.334	0.355	0.557	0.042
SAR1A	<0.001	-0.302	0.271	0.485	0.043
DOCK8	<0.001	-0.321	0.297	0.502	0.043
CLK1	<0.001	-0.304	0.200	0.418	0.043
MYH9	<0.001	-0.318	0.497	0.667	0.044
CDC37	<0.001	-0.314	0.329	0.532	0.045
IL16	<0.001	-0.337	0.219	0.426	0.047
ATP5PB	<0.001	-0.314	0.452	0.616	0.050