

**Supplementary Table 3. Significantly changed genes along ex vivo CD28<sup>null</sup>CD57<sup>+</sup>CD8<sup>+</sup>T cells**

Gene Symbol	Score (d)	q-value (%)
ITPRIPL1	4.672	0
LAG3	4.622	0
CCDC157	4.543	0
MMP23B	4.410	0
MATK	4.320	0
TARP	4.301	0
B3GAT1	4.216	0
CLIC3	4.075	0
PRAMEF11	4.064	0
RGNEF	4.034	0
CEND1	3.983	0
RAB11FIP5	3.895	0
OR10H2	3.771	0
TTC16	3.751	0
ATP9A	3.692	0
ABCB5	3.671	0
ABI3	3.660	0
KIF19	3.660	0
NBEAL2	3.647	0
GPR56	3.633	0
MAPT	3.583	0
CHST13	3.575	0
BDKRB1	3.559	0
OR7E156P	3.542	0
CD8A	3.533	0
TMEM179	3.487	2.46
CACNA2D2	3.480	2.46
PPP2R2B	3.476	2.46
Q93YZ4	3.461	2.46
ATP6AP1L	3.455	2.46
C1orf21	3.439	2.46
TPTE2	3.435	2.46
TBX1	3.430	2.46
KLHL35	3.420	2.46
KLRD1	3.419	2.46
ASCL2	3.372	2.46
PASD1	3.372	2.46

GPX1	3.365	2.46
C19orf12	3.349	2.46
NPTX1	3.340	2.46
RAPSN	3.336	2.46
C12orf75	3.332	2.46
EVPLL	3.331	2.46
HES6	3.317	2.46
FLRT3	3.314	2.46
RDH13	3.309	2.46
PDGFRB	3.307	2.46
C19orf25	3.296	2.46
LIMK1	3.295	2.46
ABCA3	3.292	2.46
SEC14L3	3.290	2.46
SMAD7	3.273	2.46
FLJ46020	3.273	2.46
ITGAL	3.270	2.46
FOXD1	3.269	2.46
NAMA	3.267	2.46
OR1S1	3.267	2.46
NTHL1	3.242	2.46
CD27	3.239	2.46
PLAC1	3.233	2.46
NAPA	3.227	2.46
ACTL7A	3.223	2.46
MYH10	3.223	2.46
ZDHHC24	3.202	2.46
ATF3	3.196	2.46
IRX4	3.168	2.46
MB21D1	3.167	2.46
ZNF333	3.160	2.46
GPAA1	3.158	2.46
MRGPRG	3.154	2.46
FGF17	3.153	2.46
ZBTB3	3.150	2.46
ICAM5	3.144	2.46
CD81	3.135	2.46
CEP78	3.133	2.46
AHRR	3.123	2.46

C19orf22	3.120	2.46
TFDP2	3.108	2.46
CST7	3.106	2.46
TM4SF19	3.088	2.46
DPP3	3.084	2.46
ESCO2	3.080	2.46
CD70	3.079	2.46
CASZ1	3.076	2.46
DDX49	3.066	2.46
MIR205HG	3.063	2.46
AMOTL1	3.058	2.46
B4GALT7	3.058	2.46
GNLY	3.055	2.46
BOK	3.051	2.46
IL17REL	3.048	2.46
MUC8	3.048	2.46
OR7E12P	3.042	2.46
OPRD1	3.040	2.46
PLEKHF1	3.036	2.46
TMEM95	3.036	2.46
TNFRSF11B	3.036	2.46
C16orf45	3.034	2.46
SEMA7A	3.028	2.46
SPEM1	3.024	2.46
GFRA3	3.021	2.46
OR7E14P	3.015	2.46
PRIMA1	3.014	2.46
PYROXD2	3.013	2.46
GALK1	3.008	2.46
BEAN1	3.005	2.46
MYO1G	3.004	2.46
FOXH1	3.000	2.46
HOXA11-AS1	2.999	2.46
WNT4	2.992	2.46
BPMS	2.990	2.46
CHAT	2.987	2.46
ADARB2-AS1	2.986	2.46
MT1E	2.983	2.46
FSCN2	2.982	2.46

FLJ34208	2.968	2.46
PDZRN3	2.967	2.46
TBC1D7	2.967	2.46
ADM2	2.966	2.46
BAHCC1	2.964	2.46
KCNK1	2.962	2.46
INSL3	2.962	2.46
PDIA2	2.960	2.46
OR4K14	2.959	2.46
PLAG1	-4.151	0
GAL3ST4	-4.070	0
PLCL1	-4.010	0
FAM134B	-3.679	2.46
EFHC2	-3.585	2.46
LEF1	-3.543	2.46
KRTAP5-6	-3.510	2.46
ZNF540	-3.451	2.46
PKIA	-3.420	2.46
NOG	-3.418	2.46
FAM153A	-3.412	2.46
FOXO1	-3.403	2.46
C2orf89	-3.400	2.46
ZNF471	-3.391	2.46
PDK1	-3.341	2.46
CEP41	-3.338	2.46
FBLN5	-3.332	2.46
MEST	-3.324	2.46
C2orf40	-3.304	2.46

---

+ 124/ -19