

Table ST3: List of differentially expressed genes (DEGs) comparing CD107a^{pos} CAR T cells determined by RNA-seq.

EntrezID	Symbol	q-value	Log2_foldchange	Increased in CD107a ^{pos} cells?	Increased in CD107a ^{eg} cells?
4345	CD200	0.11	2.43	Yes	
3164	NR4A1	0.11	2.23	Yes	
158405	KIAA1958	0.21	2.02	Yes	
9819	TSC22D2	0.2	1.99	Yes	
255104	TMCO4	0.2	1.99	Yes	
5151	PDE8A	0.2	1.97	Yes	
1958	EGR1	0.2	1.97	Yes	
54704	PDP1	0.23	1.94	Yes	
4600	MX2	0.23	1.93	Yes	
55521	TRIM36	0.24	1.9	Yes	
51129	ANGPTL4	0.25	1.88	Yes	
467	ATF3	0.17	1.87	Yes	
339665	SLC35E4	0.23	1.87	Yes	
81577	GFOD2	0.22	1.69	Yes	
6782	HSPA13	0.2	1.55	Yes	
8395	PIP5K1B	0.21	1.53	Yes	
9836	LCMT2	0.2	1.49	Yes	
80152	CENPT	0.16	1.48	Yes	
55556	ENOSF1	0.24	1.35	Yes	
55015	PRPF39	0.21	1.33	Yes	
415116	PIM3	0.21	1.32	Yes	
57464	STRIP2	0.2	1.31	Yes	
7016	TESK1	0.24	1.2	Yes	
3275	PRMT2	0.2	-0.97		Yes
6176	RPLP1	0.24	-1		Yes
285148	IAH1	0.24	-1.02		Yes
441502	RPS26P11	0.25	-1.04		Yes
6142	RPL18A	0.24	-1.08		Yes
7311	UBA52	0.23	-1.08		Yes
10578	GNLY	0.17	-1.1		Yes
7001	PRDX2	0.22	-1.12		Yes
2787	GNG5	0.23	-1.16		Yes
100529209	RNASEK-C17orf49	0.25	-1.17		Yes
4501	MT1X	0.23	-1.18		Yes
4710	NDUFB4	0.25	-1.19		Yes

EntrezID	Symbol	q-value	Log2_foldchange	Increased in CD107 ^{pos} cells?	Increased in CD107 ^{neg} cells?
4358	MPV17	0.25	-1.19		Yes
1350	COX7C	0.22	-1.2		Yes
6147	RPL23A	0.2	-1.21		Yes
199990	FAAP20	0.23	-1.21		Yes
9168	TMSB10	0.25	-1.22		Yes
3958	LGALS3	0.24	-1.23		Yes
51596	CUTA	0.22	-1.24		Yes
55845	BRK1	0.23	-1.25		Yes
128240	APOA1BP	0.24	-1.26		Yes
404672	GTF2H5	0.25	-1.26		Yes
6150	MRPL23	0.21	-1.27		Yes
5699	PSMB10	0.24	-1.27		Yes
83442	SH3BGRL3	0.23	-1.28		Yes
5439	POLR2J	0.25	-1.28		Yes
4716	NDUFB10	0.21	-1.29		Yes
11258	DCTN3	0.24	-1.29		Yes
644068	RPS14P3	0.18	-1.31		Yes
126003	TRAPPC5	0.23	-1.31		Yes
3956	LGALS1	0.24	-1.32		Yes
2950	GSTP1	0.25	-1.32		Yes
29796	UQCR10	0.24	-1.32		Yes
6923	TCEB2	0.25	-1.34		Yes
5790	PTPRCAP	0.19	-1.34		Yes
4696	NDUFA3	0.24	-1.34		Yes
550643	LINC01420	0.23	-1.34		Yes
1043	CD52	0.2	-1.34		Yes
442454	UQCRBP1	0.24	-1.35		Yes
259197	NCR3	0.16	-1.36		Yes
91689	SMDT1	0.2	-1.36		Yes
10567	RABAC1	0.22	-1.36		Yes
241	ALOX5AP	0.17	-1.36		Yes
9402	GRAP2	0.2	-1.37		Yes
83982	IFI27L2	0.2	-1.37		Yes
125988	C19orf70	0.24	-1.37		Yes
6275	S100A4	0.12	-1.38		Yes
54539	NDUFB11	0.21	-1.38		Yes
4701	NDUFA7	0.22	-1.39		Yes
339804	C2orf74	0.23	-1.39		Yes
10870	HCST	0.17	-1.41		Yes

EntrezID	Symbol	q-value	Log2_foldchange	Increased in CD107a ^{pos} cells?	Increased in CD107a ^{neg} cells?
7076	TIMP1	0.2	-1.42		Yes
5920	RARRES3	0.16	-1.43		Yes
51275	MAPKAPK5-AS1	0.2	-1.44		Yes
79135	APOO	0.23	-1.45		Yes
10791	VAMP5	0.2	-1.46		Yes
94240	EPSTI1	0.21	-1.46		Yes
168537	GIMAP7	0.11	-1.47		Yes
28958	COA3	0.2	-1.47		Yes
374659	HDDC3	0.2	-1.48		Yes
27334	P2RY10	0.12	-1.48		Yes
729683	LOC729683	0.23	-1.48		Yes
84068	SLC10A7	0.18	-1.5		Yes
414328	IDNK	0.2	-1.51		Yes
54344	DPM3	0.17	-1.53		Yes
7940	LST1	0.21	-1.56		Yes
9641	IKBKE	0.06	-1.57		Yes
203328	SUSD3	0.16	-1.6		Yes
54935	DUSP23	0.22	-1.65		Yes
266747	RGL4	0.17	-1.69		Yes
81793	TLR10	0.24	-1.7		Yes
92815	HIST3H2A	0.21	-1.71		Yes
199857	ALG14	0.2	-1.75		Yes
374899	ZNF829	0.24	-1.87		Yes
10777	ARPP21	0.21	-1.88		Yes
29108	PYCARD	0.02	-1.93		Yes
667	DST	0.16	-2.2		Yes