

Supplementary table 3 100 most up-regulated genes after automated NK cell expansion in comparison to freshly isolated NK cells.

	Fold Change	Gene	Tukey p value	Location
1	703,033	MAL	<2.22e-16	Plasma Membrane
2	458,605	UBE2T	<2.22e-16	Nucleus
3	423,864	CCNA2	<2.22e-16	Nucleus
4	411,374	PBK	<2.22e-16	Cytoplasm
5	317,429	CDCA3	<2.22e-16	Cytoplasm
6	285,719	KIF2C	<2.22e-16	Nucleus
7	275,122	CDKN3	<2.22e-16	Cytoplasm
8	263,140	TOP2A	<2.22e-16	Nucleus
9	260,271	ASPM	<2.22e-16	Nucleus
10	253,148	AURKA	<2.22e-16	Nucleus
11	252,553	ZBTB32	2,53E-05	Nucleus
12	246,873	CCNB2	<2.22e-16	Cytoplasm
13	240,562	KIF15	<2.22e-16	Nucleus
14	234,212	LINC00892	<2.22e-16	Other
15	227,537	UBE2C	<2.22e-16	Cytoplasm
16	226,337	CDK1	<2.22e-16	Nucleus
17	211,701	TPX2	<2.22e-16	Nucleus
18	204,710	KIF11	<2.22e-16	Nucleus
19	197,971	CCNB1	<2.22e-16	Cytoplasm
20	182,833	RMI2	<2.22e-16	Nucleus
21	180,982	FOXM1	<2.22e-16	Nucleus
22	166,920	MELK	<2.22e-16	Cytoplasm
23	165,182	EPDR1	<2.22e-16	Nucleus
24	164,645	CENPM	<2.22e-16	Cytoplasm
25	157,656	RAD51	<2.22e-16	Nucleus
26	157,368	TROAP	<2.22e-16	Cytoplasm
27	154,096	CDCA2	<2.22e-16	Nucleus
28	152,739	SLC27A2	<2.22e-16	Cytoplasm
29	150,267	DPP4	<2.22e-16	Plasma Membrane
30	146,657	ZWINT	<2.22e-16	Nucleus
31	137,438	CENPF	<2.22e-16	Nucleus
32	137,217	AURKB	<2.22e-16	Nucleus
33	137,033	CCNB1	<2.22e-16	Cytoplasm
34	134,626	GIN52	<2.22e-16	Nucleus
35	128,181	CKAP2L	<2.22e-16	Cytoplasm
36	125,920	CDC20	<2.22e-16	Nucleus
37	124,399	HMMR	<2.22e-16	Plasma Membrane
38	122,809	HJURP	<2.22e-16	Nucleus
39	119,892	CD70	<2.22e-16	Extracellular Space
40	119,585	CCR5	<2.22e-16	Plasma Membrane
41	119,584	MKI67	<2.22e-16	Nucleus
42	118,934	ZWINT	<2.22e-16	Nucleus
43	116,800	DEPDC1	<2.22e-16	Nucleus
44	116,472	UCHL1	<2.22e-16	Cytoplasm
45	113,602	UHRF1	<2.22e-16	Nucleus
46	111,406	AFAP1L2	<2.22e-16	Cytoplasm
47	110,162	SPC24	<2.22e-16	Cytoplasm
48	109,654	HIST2H3A	<2.22e-16	Nucleus
49	107,572	CENPA	<2.22e-16	Nucleus

50	107,358	RRM2	<2.22e-16	Nucleus
51	106,502	CIT	<2.22e-16	Cytoplasm
52	103,097	MKI67	<2.22e-16	Nucleus
53	101,171	BIRC5	<2.22e-16	Cytoplasm
54	101,078	SLCO4A1	<2.22e-16	Plasma Membrane
55	99,586	PERP	<2.22e-16	Plasma Membrane
56	98,773	KIAA0101	<2.22e-16	Nucleus
57	98,605	DTL	<2.22e-16	Nucleus
58	97,274	NUSAP1	<2.22e-16	Nucleus
59	95,353	RAD54L	<2.22e-16	Nucleus
60	93,735	EXO1	<2.22e-16	Nucleus
61	89,401	TYMS	<2.22e-16	Nucleus
62	87,635	BUB1B	<2.22e-16	Nucleus
63	86,350	IQGAP3	<2.22e-16	Plasma Membrane
64	85,654	DHCR24	<2.22e-16	Cytoplasm
65	85,623	POLQ	<2.22e-16	Nucleus
66	84,553	TTK	<2.22e-16	Nucleus
67	80,515	KIF23	<2.22e-16	Cytoplasm
68	78,335	ESPL1	<2.22e-16	Nucleus
69	78,297	CCDC34	<2.22e-16	Other
70	78,202	HIST1H1B	<2.22e-16	Nucleus
71	76,309	C16orf59	<2.22e-16	Other
72	74,508	NPDC1	<2.22e-16	Extracellular Space
73	74,242	CENPQ	<2.22e-16	Other
74	72,221	PKMYT1	<2.22e-16	Cytoplasm
75	70,352	ASF1B	<2.22e-16	Nucleus
76	66,157	KDELCL1	<2.22e-16	Cytoplasm
77	65,282	E2F7	<2.22e-16	Nucleus
78	65,112	CDCA8	<2.22e-16	Nucleus
79	64,652	CXCR6	<2.22e-16	Plasma Membrane
80	63,789	CDCA5	<2.22e-16	Cytoplasm
81	63,207	CENPM	<2.22e-16	Cytoplasm
82	61,589	E2F2	<2.22e-16	Nucleus
83	60,820	CDC45	<2.22e-16	Nucleus
84	60,691	CDT1	<2.22e-16	Nucleus
85	60,059	PYCR1	<2.22e-16	Cytoplasm
86	57,215	KIF23	<2.22e-16	Cytoplasm
87	56,323	GTSE1	<2.22e-16	Cytoplasm
88	55,743	DIAPH3	<2.22e-16	Cytoplasm
89	55,650	SGOL2	<2.22e-16	Nucleus
90	54,904	BRCA1	<2.22e-16	Nucleus
91	54,481	LAG3	2,75E-04	Plasma Membrane
92	53,779	MMP25	<2.22e-16	Plasma Membrane
93	53,246	DSCC1	<2.22e-16	Nucleus
94	53,221	RNF207	<2.22e-16	Other
95	53,150	LTB	<2.22e-16	Extracellular Space
96	52,576	CDKN2A	<2.22e-16	Nucleus
97	51,656	NDFIP2	<2.22e-16	Cytoplasm
98	51,602	DHFR	<2.22e-16	Nucleus
99	50,315	TK1	<2.22e-16	Cytoplasm
100	49,486	CENPE	<2.22e-16	Nucleus