

**Supplementary table 2** 100 most down-regulated genes after automated NK cell expansion in comparison to freshly isolated NK cells.

	Fold Change	Gene	Tukey p value	Location
1	-5507,077	FCN1	<2.22e-16	Extracellular Space
2	-5219,384	MAFB	<2.22e-16	Nucleus
3	-2369,670	GRASP	<2.22e-16	Plasma Membrane
4	-1079,390	NLRP3	<2.22e-16	Cytoplasm
5	-940,743	SULF2	<2.22e-16	Plasma Membrane
6	-837,497	HES4	<2.22e-16	Other
7	-797,810	HBA1/HBA2	<2.22e-16	Extracellular Space
8	-782,670	JDP2	<2.22e-16	Nucleus
9	-660,890	SPON2	<2.22e-16	Extracellular Space
10	-627,402	CSF3R	<2.22e-16	Plasma Membrane
11	-608,718	SERPINA1	<2.22e-16	Extracellular Space
12	-586,274	HOMER3	<2.22e-16	Plasma Membrane
13	-572,867	HBA1/HBA2	<2.22e-16	Extracellular Space
14	-532,934	FPR1	<2.22e-16	Plasma Membrane
15	-484,201	FCRL6	<2.22e-16	Plasma Membrane
16	-441,897	WDFY4	<2.22e-16	Other
17	-434,456	ALOX5	<2.22e-16	Cytoplasm
18	-422,755	ADM	<2.22e-16	Extracellular Space
19	-421,631	G0S2	<2.22e-16	Cytoplasm
20	-396,325	SPI1	<2.22e-16	Nucleus
21	-359,103	TGFBI	<2.22e-16	Extracellular Space
22	-355,679	CFP	<2.22e-16	Extracellular Space
23	-280,306	IL1RN	<2.22e-16	Extracellular Space
24	-260,049	SMARCD3	<2.22e-16	Nucleus
25	-246,025	KCNQ1	<2.22e-16	Plasma Membrane
26	-240,621	CYP27A1	1,31E-04	Cytoplasm
27	-237,955	CSF1R	<2.22e-16	Plasma Membrane
28	-215,466	HBD	2,03E-05	Other
29	-192,421	RETN	<2.22e-16	Extracellular Space
30	-186,833	LINC00937	<2.22e-16	Other
31	-158,846	ICOSLG/LOC102723996	<2.22e-16	Plasma Membrane
32	-156,015	LINC00937	<2.22e-16	Other
33	-149,898	CEBPA	<2.22e-16	Nucleus
34	-145,835	PMP22	<2.22e-16	Plasma Membrane
35	-143,730	LY86	<2.22e-16	Plasma Membrane
36	-138,604	ANPEP	<2.22e-16	Plasma Membrane
37	-138,237	LILRB3	<2.22e-16	Plasma Membrane
38	-127,691	ZNF503	<2.22e-16	Nucleus
39	-125,413	CD14	<2.22e-16	Plasma Membrane
40	-124,707	ARHGEF40	<2.22e-16	Other
41	-120,298	APBA2	3,61E-04	Cytoplasm
42	-118,837	PTGDS	<2.22e-16	Cytoplasm
43	-112,249	PDE2A	<2.22e-16	Cytoplasm
44	-112,132	FCRL3	1,78E-04	Other
45	-111,023	TMEM176A	4,74E-06	Other
46	-109,820	NCF2	<2.22e-16	Cytoplasm
47	-106,864	CD302	<2.22e-16	Plasma Membrane
48	-98,452	IRS2	<2.22e-16	Cytoplasm
49	-96,054	KBTD11	9,15E-05	Other

50	-95,044	CDA	<2.22e-16	Nucleus
51	-91,549	PCDH1	<2.22e-16	Plasma Membrane
52	-88,001	ADAMTS10	<2.22e-16	Extracellular Space
53	-87,120	CSF2RA	<2.22e-16	Plasma Membrane
54	-84,367	FAM117B	<2.22e-16	Other
55	-83,760	LINC00173	<2.22e-16	Other
56	-83,736	PLXDC2	5,95E-05	Extracellular Space
57	-81,654	HBA1/HBA2	1,09E-05	Extracellular Space
58	-81,514	IFIT2	1,49E-05	Cytoplasm
59	-79,707	C1orf162	4,72E-03	Other
60	-78,783	SLC11A1	<2.22e-16	Plasma Membrane
61	-78,393	FCGRT	<2.22e-16	Plasma Membrane
62	-77,886	DOK3	<2.22e-16	Cytoplasm
63	-77,447	ID1	<2.22e-16	Nucleus
64	-76,964	KCTD12	<2.22e-16	Plasma Membrane
65	-76,289	RAB20	<2.22e-16	Cytoplasm
66	-76,130	CFD	<2.22e-16	Extracellular Space
67	-74,522	GPR183	<2.22e-16	Plasma Membrane
68	-71,840	CST3	7,73E-06	Extracellular Space
69	-70,819	BST1	<2.22e-16	Plasma Membrane
70	-70,366	ADAP2	<2.22e-16	Cytoplasm
71	-69,763	PRKAG2-AS1	2,01E-05	Other
72	-69,068	CD302	<2.22e-16	Plasma Membrane
73	-68,667	EMP1	6,12E-05	Plasma Membrane
74	-67,132	GPRC5C	<2.22e-16	Plasma Membrane
75	-65,953	HP	<2.22e-16	Extracellular Space
76	-65,247	CXCL2	<2.22e-16	Extracellular Space
77	-64,235	LRG1	<2.22e-16	Extracellular Space
78	-63,194	CST5	<2.22e-16	Cytoplasm
79	-61,992	CKAP4	3,23E-04	Cytoplasm
80	-58,503	NOL4L	<2.22e-16	Other
81	-58,395	ZNF385A	<2.22e-16	Nucleus
82	-57,779	CLEC10A	<2.22e-16	Plasma Membrane
83	-56,044	LINC00565	<2.22e-16	Other
84	-55,169	LOC102724428/SIK1	<2.22e-16	Nucleus
85	-53,975	KCTD12	<2.22e-16	Plasma Membrane
86	-53,692	CACNA2D2	<2.22e-16	Plasma Membrane
87	-53,489	NUAK2	2,85E-06	Other
88	-51,365	OSCAR	<2.22e-16	Plasma Membrane
89	-50,308	GLT1D1	<2.22e-16	Extracellular Space
90	-49,730	CD33	6,82E-04	Plasma Membrane
91	-49,624	THBS1	<2.22e-16	Extracellular Space
92	-49,037	NFE2	3,21E-06	Nucleus
93	-47,911	LOC100505585	<2.22e-16	Other
94	-47,869	SH2B2	<2.22e-16	Cytoplasm
95	-47,700	B3GNT5	<2.22e-16	Cytoplasm
96	-46,288	IFIT2	<2.22e-16	Cytoplasm
97	-46,269	NDRG2	<2.22e-16	Cytoplasm
98	-46,175	CXCL16	<2.22e-16	Extracellular Space
99	-44,885	GP1BB	<2.22e-16	Plasma Membrane
100	-43,877	LGR6	<2.22e-16	Plasma Membrane