

HIST1H2AG, HIST1H2AH, HIST1H2AI, HIST1H2AJ, HIST1H2AL, HIST1H2BB, HIST1H2BE, HIST1H2BH, HIST1H2BJ, HIST1H2BL, HIST1H2BM, HIST1H2BO, HIST1H3B, HIST1H3C, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3J, HIST1H4A, HIST1H4D, HIST1H4L, HIST2H3C, HIST2H4B, HIST3H2BA, HIST3H2BB, ABCA1, AK5, ASCL2, B3GAT1, CACNA2D2, CCR5, CXCR2, ENPP5, FBLN2, FCRL3, GNAL, GPRASP1, GRIK4, GTSE1, HIST3H2BB, IL1B, ITGA2, KIF13A, KIF4A, LINC00599, LONRF3, LRRN3, MSC-AS1, NFIX, NUA1, NUA2, PCDH1, PLXNA4, RAD51, RNF157, SLC1A7, SPON2, TYMS, WWC2, ZNF442, ZNF727, or ZSCAN18.

13. The expanded modified natural killer cell of claim 1, wherein the natural killer cell comprises an upregulated one or more proteins selected from the group consisting of BIRCS, MK167, TOP2A, CKS2 and RACGAP1.
14. The expanded modified natural killer cell of claim 1, wherein the natural killer cell comprises a downregulated one or more proteins selected from the group consisting of PTCH1, TGFB3, and ATM.
15. The expanded modified natural killer cells of claim 1, wherein the cells are expanded ex vivo by contacting the NK cell with a plasma membrane vesicle, an exosome, or a feeder cell that was engineered to express membrane bound IL-21, IL-15, and/or 4-BBL.
16. The expanded modified natural killer cells of claim 1, wherein the cells are expanded ex vivo by contacting the NK cell with IL-21, IL-15, and/or 4-BBL.
17. The expanded modified natural killer cells of claim 1, wherein the cells are expanded in vivo by contacting the NK cell with a plasma membrane vesicle, an exosome, or a feeder cell that was engineered to express membrane bound IL-21, IL-15, and/or 4-BBL.
18. The expanded modified natural killer cells of claim 1, wherein the cells are expanded in vivo by contacting the NK cell with IL-21, IL-15, and/or 4-BBL.
19. Use of the expanded modified natural killer cells of any of claims 1-18 for the manufacture of a medicament for the treatment of cancer.
20. Use of expanded modified natural killer cells including an activated STAT3 transcriptome for the manufacture of a medicament for modulating the immune system.