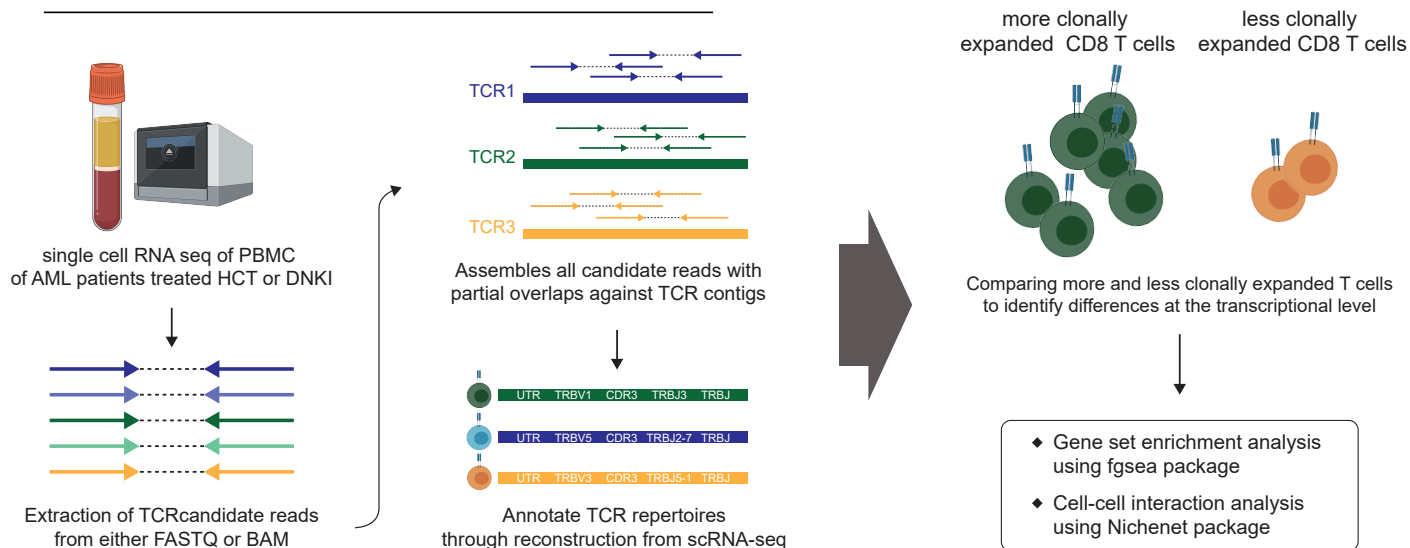


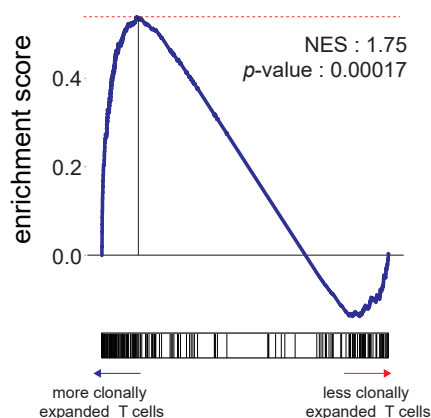
A

TRUST4



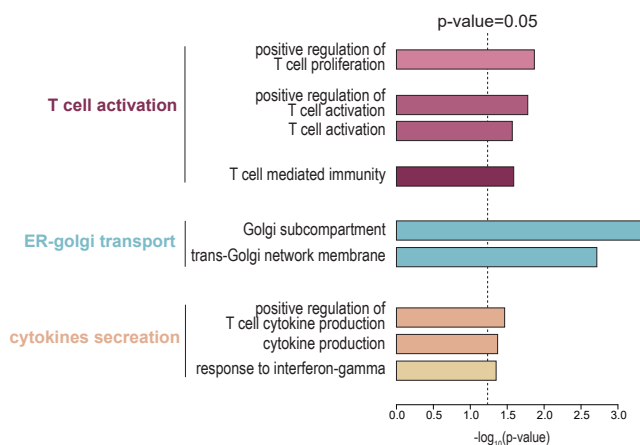
B

CD8 memory vs naive T cells

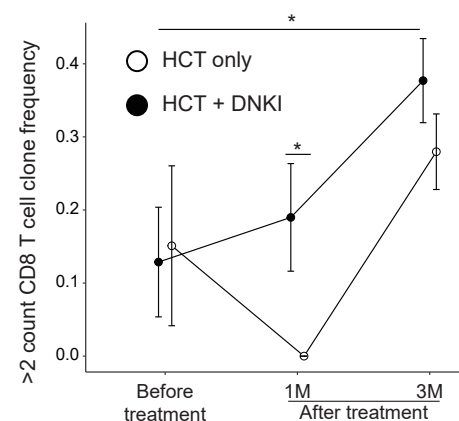


C

GO signatures of more clonally expanded T cells



D



Supplementary Figure S5. HCT and DNKI induce the clonal expansion of CD8+ effector-memory T cells.

(A) TCR repertoires were annotated from scRNA-seq data using TRUST4. TCR candidate reads were extracted and assembled with overlaps against TCR contigs. Each T cell could be annotated based on the assembled reads.

(B) The GSEA analysis showed that CD8+ memory T cell-specific genes were enriched significantly in more clonally expanded CD8+ T cells.

(C) The gene ontology analysis showed that the upregulated DEGs in more clonally expanded T cells were significantly enriched in immune responses, such as T cell activation, ER-Golgi transport, and cytokine secretion.

(D) The line plot showing the ratio of CD8+ T cell clone with more than two counts over the treatment time points. DNKI patients had more clonally expanded CD8+ T cells than no-DNKI patients. *P < 0.05. Error bars represent standard error of the mean.