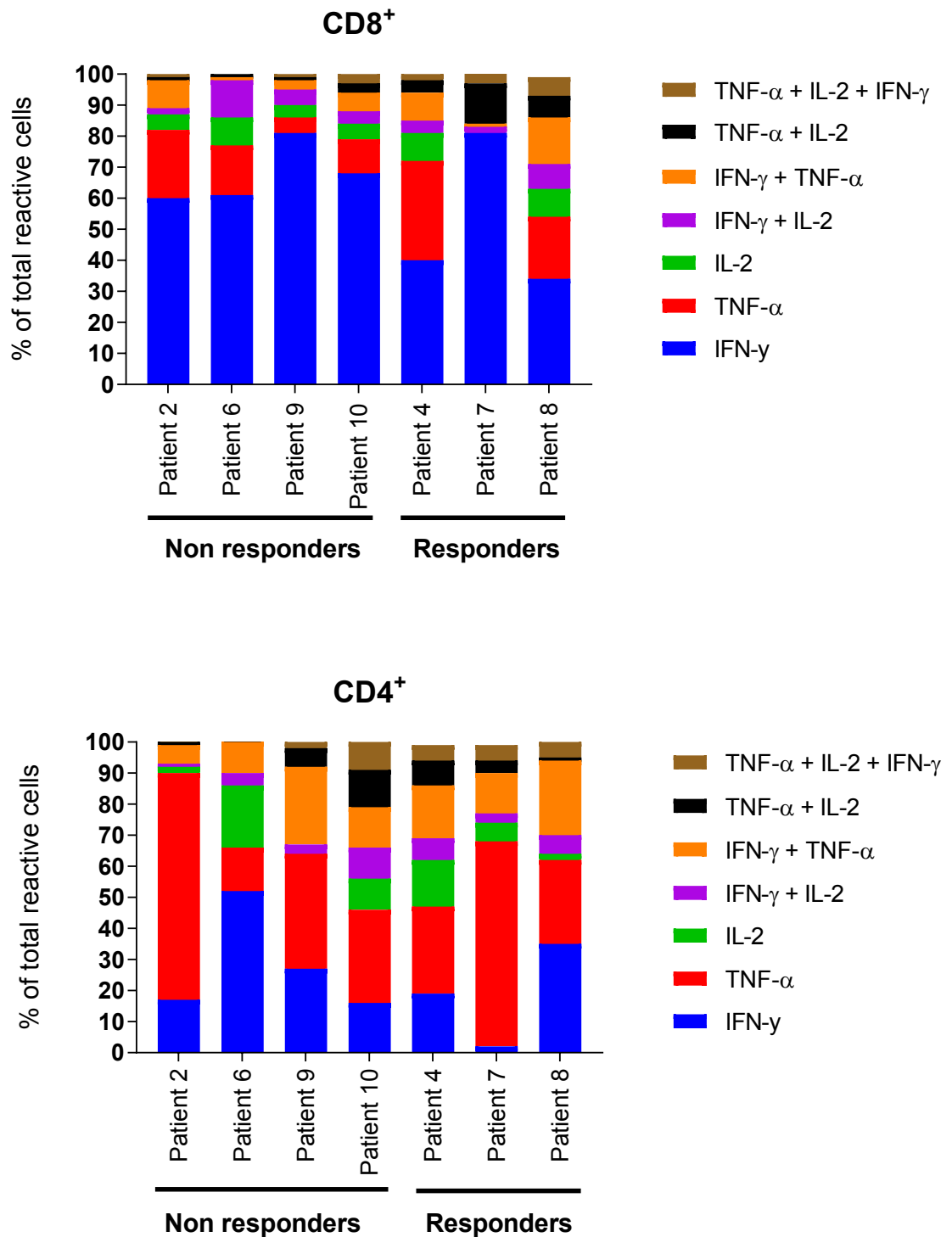


Supplementary Figure 1: polyfunctionality of reactive T cells in TIL infusion products.

A total of 2×10^5 TILs were cultured with 2×10^5 cells from tumor digest or tumor cell lines, in the presence of $1 \mu\text{L/mL}$ Golgiplug (BD Biosciences). After 5 hours of incubation, cells were stained using anti-CD8 antibody (clone SK1, BD Biosciences) and live/dead marker (Fixable Violet Dead Cell Stain Kit, (Invitrogen)). Intracellular cytokine production was detected after fixation and permeabilization with a Cytotfix/Cytoperm kit (BD Biosciences) and antibodies against IFN- γ (clone B27), IL-2 (clone Mq1-17H12), and TNF α (clone Mab11), all from BD Biosciences. Cells were analyzed on a LSR2 SORP flow cytometer and data was processed using Flowjo_V10 software.