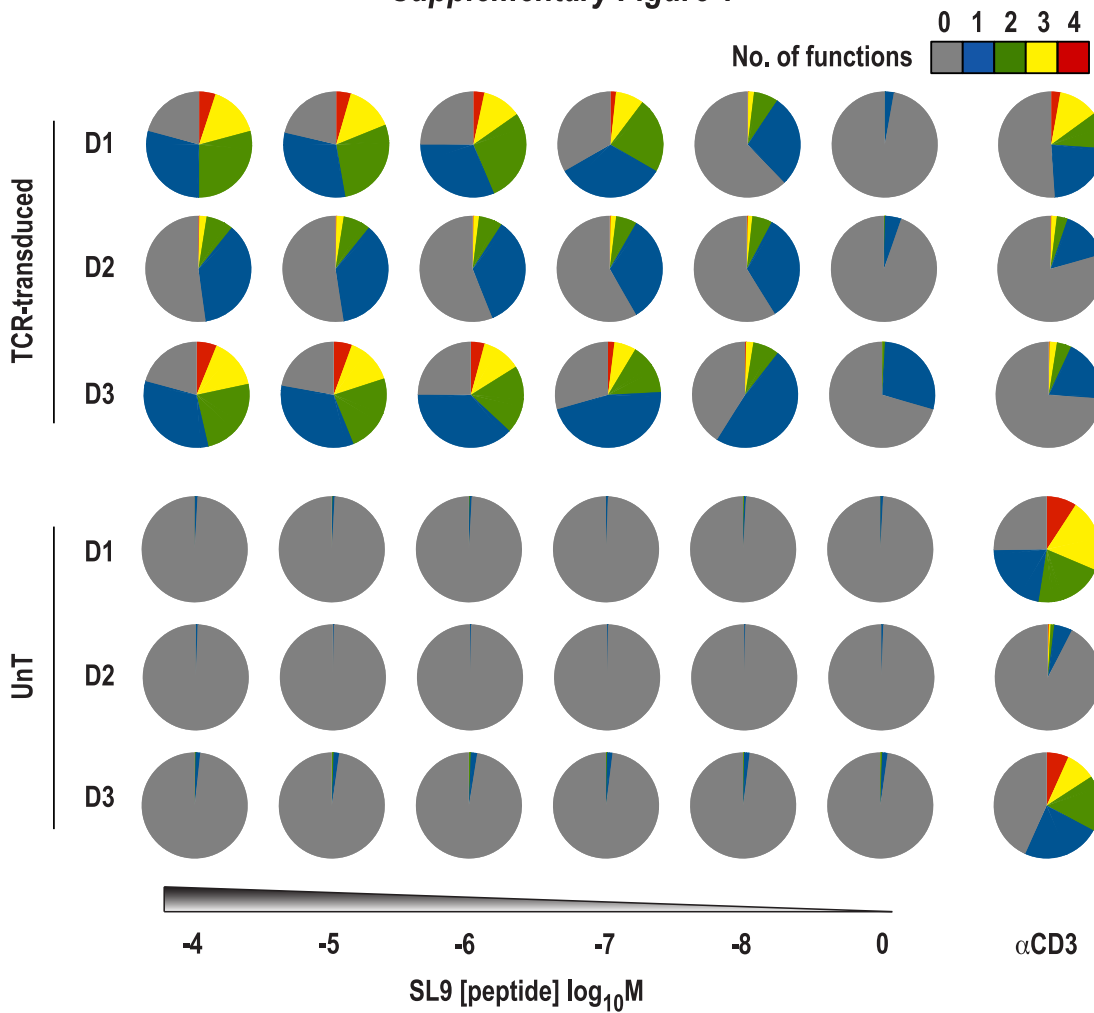
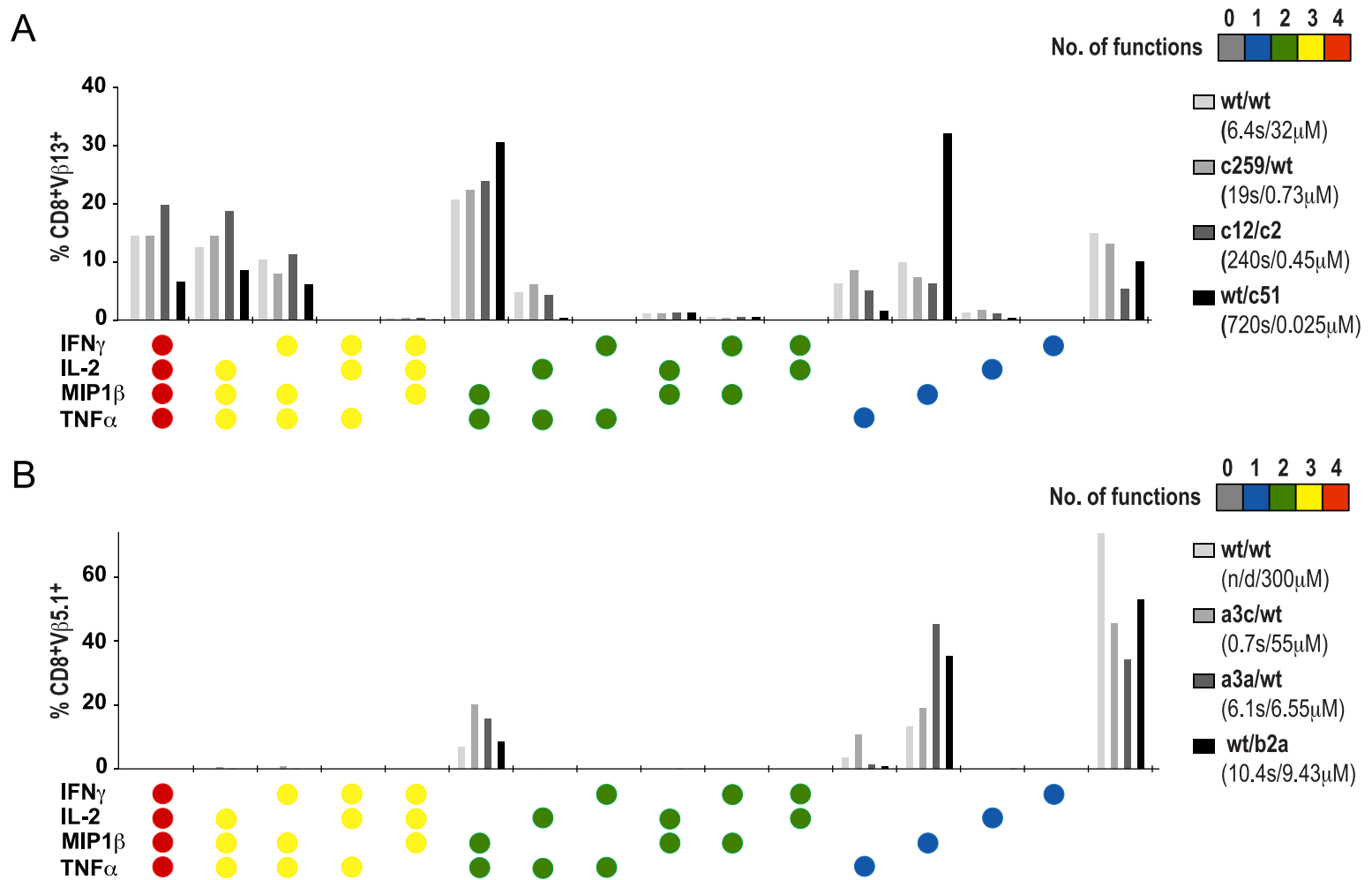


Supplementary Figure 1



Supplementary Figure 1. The impact of donor origin on the functional profile of TCR-transduced CD8⁺ T cells. (A) Peripheral blood CD8⁺ T cells were isolated from three different HLA-A2⁺ donors (D1, D2 and D3), transduced with a wild-type TCR specific for the HLA-A2-restricted HIV-1 Gag₇₇₋₈₅ epitope and stimulated with peptide-pulsed HLA-A2⁺ C1R target cells as indicated. Stimulation with an αCD3 mAb was used for positive control purposes. Four functional read-outs (MIP-1β, TNFα, IFNγ and IL-2) were measured by flow cytometry. Pie chart segments represent the fraction of cells expressing the number of functions indicated in the key. UnT, non-transduced.

Supplementary Figure 2



Supplementary Figure 2. Combinations of functions elicited by stimulation of TCR-transduced CD8⁺ T cells with peptide-pulsed target cells. (A) HLA-A2⁺ CD8⁺ T cells transduced with the indicated NY-ESO-1-specific TCRs were stimulated with HLA-A2⁺ CIR target cells pulsed with the cognate SLLMWITQC peptide at a concentration of 10⁻⁵ M. (B) HLA-A1⁺ CD8⁺ T cells transduced with the indicated MageA3-specific TCRs were stimulated with HLA-A1⁺ 221 target cells pulsed with the cognate EVDPIGHLY peptide at a concentration of 10⁻⁴ M. Four functional readouts (MIP-1 β , TNF α , IFN γ and IL-2) were measured by flow cytometry. Data shown are representative of two independent experiments. n/d, not determined.