



**Figure 1–figure supplement 2, Validation of the peptide-A<sup>b</sup> yeast display platform.** (A) 2W TCR tetramer staining together with c-myc staining is shown for the naïve library and four consecutive rounds of selection of the peptide-A<sup>b</sup> yeast library. TCR tetramer and c-myc staining of enriched peptide sequences (single clones) isolated from the YAc (B) or 2W (C) TCR selections. Naïve library, 3k peptide and single point mutations (red) in central positions of the enriched peptides were used as controls to confirm the specificity of the peptide-A<sup>b</sup>/TCR-SA interaction.