1. Both IFNg and CD137+ % (binding) values are reported, we use only the IFN values
2. Note that some amino acids are missing in mutational scan of A23 (e.g., Y at position 1).
3. We extracted the excel sheet from the original pdf with Adobe pdf exporter and changed the commas (“,”) to decimal point (“.”) in the data.
4. Supplementary Fig. 1 has TCR sequences. Note that the CDR3a region of 1G4 in supplementary reads “CAVRP**LY**GGSYIP”, which indicates a substitution TS -> LY in the original 1G4 sequence (e.g., found in Fig. 1B of “Single and Dual Amino Acid Substitutions in TCR CDRs Can Enhance Antigen-Specific T Cell Functions”, PMID: 18424733, or PDB entry 2BNU). This variant of the TCR is known as c259 (Engineering Strategies to Enhance TCR-Based Adoptive T Cell Therapy, PMID: 32570906), hence we record that name here instead of 1G4.
5. Note that “TCR Fingerprinting and Off-Target Peptide Identification”, PMID: 31695703 Fig. 1B shows mutational scan data for TCR c259 (except P2 and P9), which broadly corresponds to the recorded results.