1. We record the normalized log2 of depletion values for mutant peptides. So, first we calculate a=depletion for all mutant peptides for a given TCR and then use the MATLAB command normalize(-log2(a(:)),"range") to have all the mutant activities between [0,1] for a given TCR. For B7, we clip the depletion values at 1.5 (there is a far outlier at 1.8) before normalizing. The index peptide is given an activity value nominally above 1 to mark it as the index peptide.
2. The TCR V alpha and V beta sequences are in supplementary data table 3. For A6, we record the TCR Va and Vb sequence corresponding to the bacterial expression construct (for which, alpha and beta chain are separately given).