1. For a3a TCR specific for MAGEA3 peptide HLA-A\*01:01-EVDPIGHLY, the 1 Hamming mutational scan data is found from <https://www.nature.com/articles/s41587-024-02248-6#Fig6>.
2. >1 Hamming peptides tested separately are found from
   1. the supplementary material Tables S2 and S6 of (PMID: 23926201) <https://www.science.org/doi/10.1126/scitranslmed.3006034>

(Yes: SB, Yes, low: WB, X: NB)

* 1. Fig. 6D and supplementary material Table S12 list of (PMID: 35389803) <https://www.science.org/doi/10.1126/science.abl5282>: Out of all tested peptides, only the ones marked in color in Fig 6D are recorded as SB, rest are recorded as NB.
  2. Fig. 6a of <https://www.nature.com/articles/s41587-024-02248-6#Fig6> (PMID: 38956325): Only epitopes marked in color are recorded as SB, other data neglected.
  3. Fig. 5C,E of [https://www.sciencedirect.com/science/article/pii/S1074761322004988](https://www.sciencedirect.com/science/article/pii/S1074761322004988?via%3Dihub#app2) (PMID: 36174557): Among the tested epitopes in Fig. 5C, the ones with p < 0.0001 in Fig. 5E are recorded as SB, rest as NB. Additionally, Fig. 6E (and the corresponding peptides listed in Supplemental Table 4), for which, according to the paper, “In addition to epitopes derived from MAGE-A6 and titin, TnT-TCRa3a cells responded to additional peptides (i.e., with higher than 10% activity relative to the MAGE-A3168–176 target), which included the recently reported off-target FAT2, as well nine additional peptides (ANR16, CD166, COG4, CSPG2, FAT1, IL7RA, PLD5, RPAB2, and RUSD2). In contrast, only three and two off-target peptides in addition to the highly homologous MAGE-A6168–176 peptide activated TnT-TCRA3-05 and TnT-TCRA3-10 cells, respectively” So, <10% is recorded as 0, while >10% is recorded as 2.

1. EVDPIRHYY has conflicting labels, in ref b above, it is negative (within DMSO control), while in a its response is “Yes, low” and it is marked as enriched in c. We record it as a WB.