SUPPLEMENTAL MATERIAL

Textor et al., http://dx.doi.org/10.1084/jem.20160636

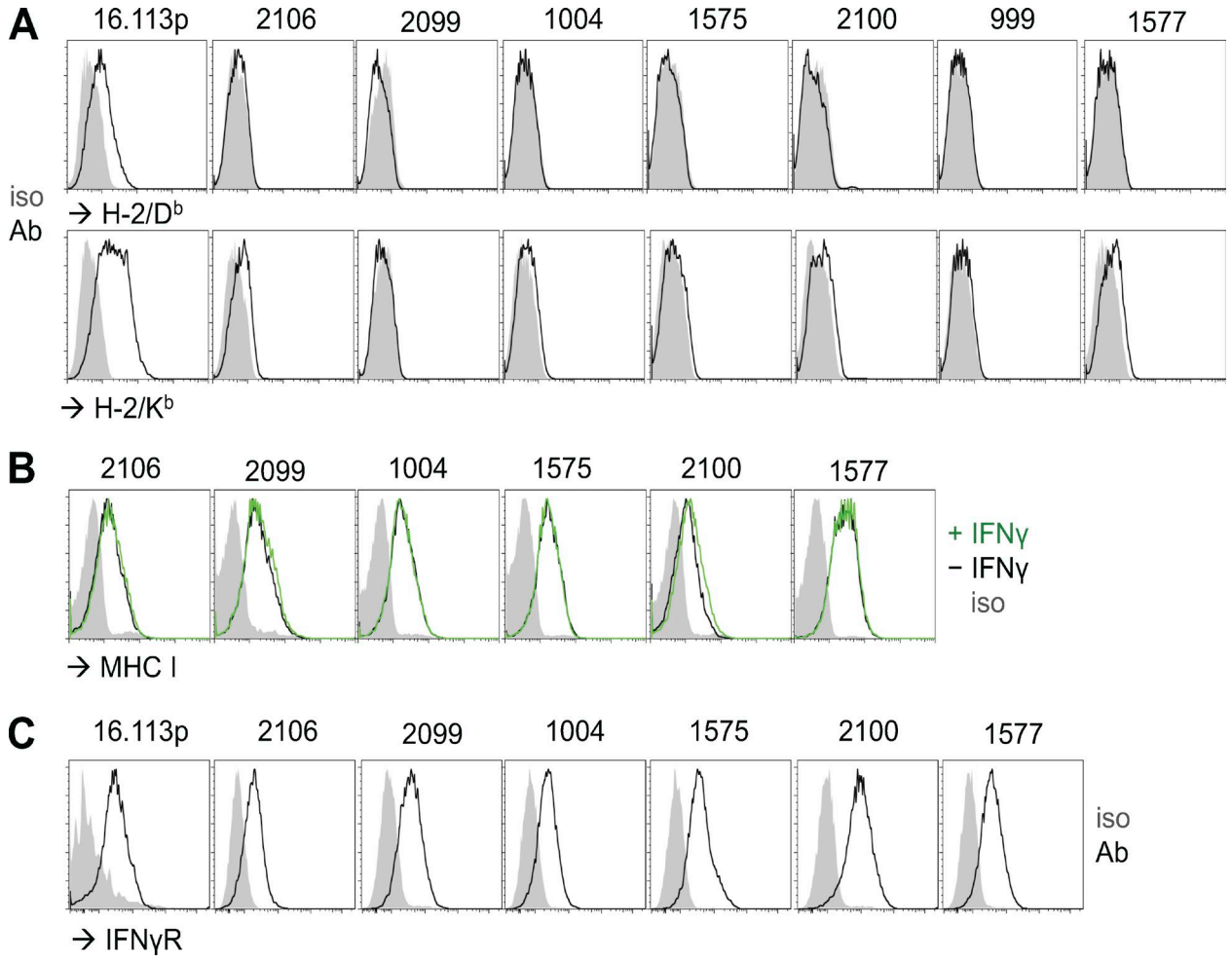

Figure S1. **Low H-2/D^b/K^b expression on escape variants cannot be up-regulated with IFN-γ, despite surface IFNγR.** (A) H2-D^b and H2-K^b surface expression for 16.113p tumor cells and all seven escape variants and corresponding isotype controls are shown in the histograms. One representative of two experiments is shown. (B) MHC I expression with or without IFN-γ pretreatment for the six remaining escape variants, in addition to 999 shown in Fig. 6 A. (C) IFNγR expression for the six remaining escape variants, in addition to 999 shown in Fig. 6 B.

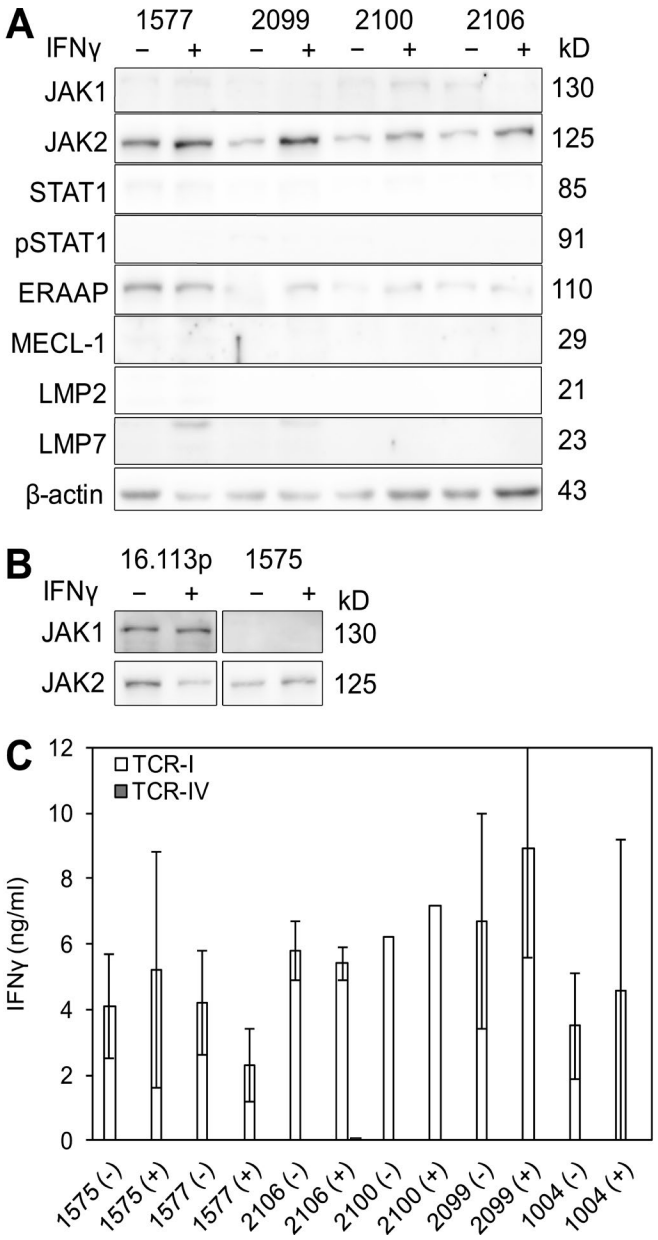

Figure S2. **TCR–IV escape variants are IFN-γ unresponsive and not recognized in vitro.** (A) WB for indicated proteins from additional four escape variants from the same blot as in Fig. 6 C. (B) WB for JAK1 and JAK2 proteins from 16.113p cells and 1575 escape variant (± IFN-γ pretreatment). ERAP1, pSTAT1, LMP2, LMP7, MECL-1, and β-actin WB (same blot) are shown in Fig. 9 B. (C) Levels of secreted IFN-γ of the remaining six escape variants in addition to 999 shown in Fig. 7 A by the same T cells. Combined data from two experiments are shown for all escape variants, except 2100, and error bars indicate SD.

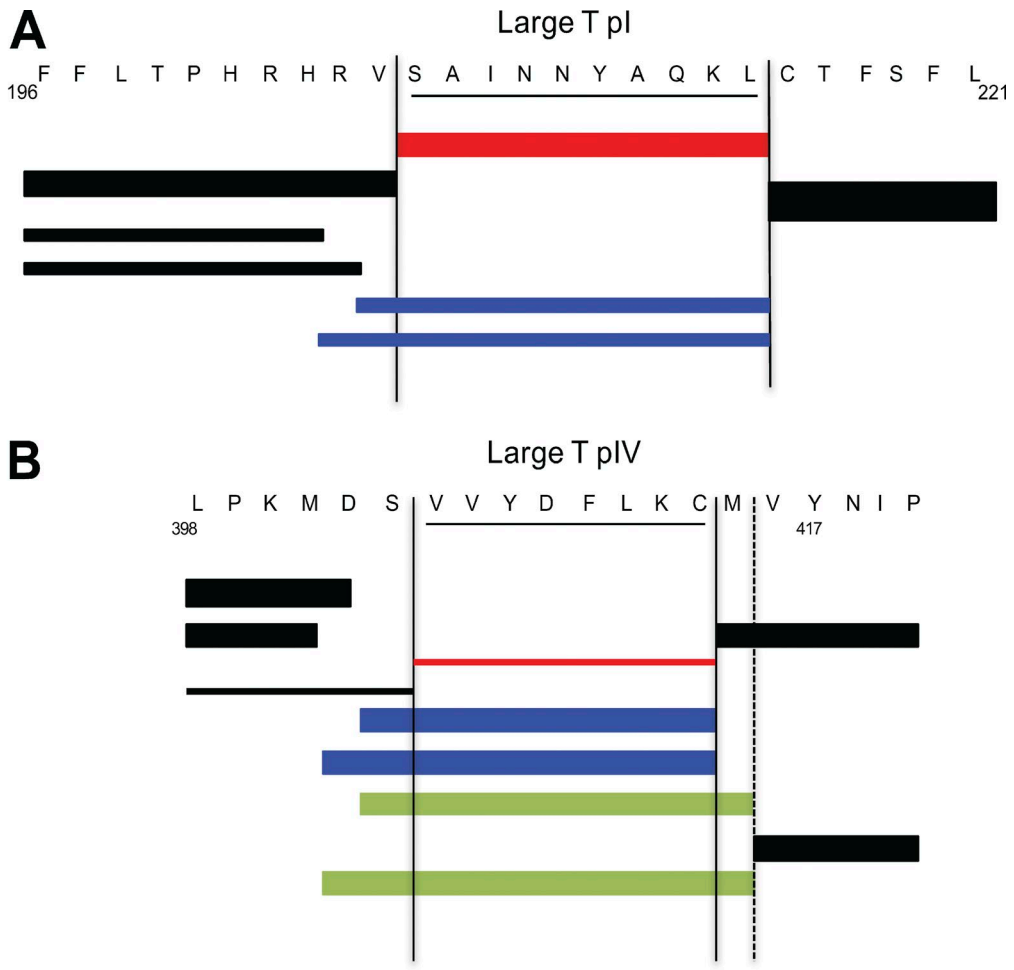

Figure S3. **Immunoproteasome cleavage yields negligible quantitative and no qualitative differences in comparison to standard proteasome.** Relevant cleavage products detected in immunoprotesome digestions of T-Ag$_{196\text{-}221}$ (A) and T-Ag$_{398\text{-}417}$ (B) in three independent experiments. Irrelevant peptide products are indicated in black, and the epitope and epitope precursor peptides are indicated in red and blue, respectively. For pIV, peptide precursors for an alternative epitope with methionine on the C terminus are indicated in green. Thickness of the cleavage products indicates relative cleavage intensity.