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S1 Fig. Identification of CD4+ T cell epitopes within WNV proteins. A) Staining of in vitro stimulated cells from a representative WNV infected subject with a HLA-DRB1\*01:01 haplotype using tetramers (Tmer) loaded with peptide pools spanning the WNV envelope protein. Peptide pools 2, 4, 5, 6, 10, and 13 contained DRB1\*01:01-restricted epitopes. B) Identification of the antigenic peptide within envelope pools 2 and 4 by staining in vitro stimulated cells again using tetramers (Tmer) loaded with single peptides. The pool 2 epitope was identified within the Env 39-56 peptide. The pool 4 epitope was identified within the Env 127-144 peptide.