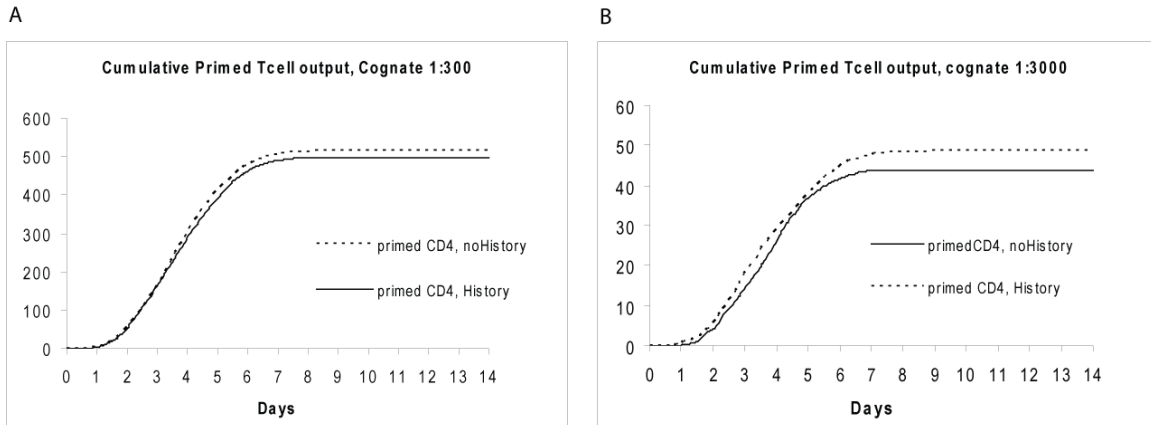


Supplemental 4



Supplement Figure 2: History versus No History. Shown are simulations without any history effect and with combined binding and priming history included. Panel A is for cognate frequency 1:300 and Panel B is cognate frequency 1:3000. There is no significant difference for the total number of primed CD4+ T cells leaving the LN in the history versus no history cases for both cognate frequencies. This is largely due to the long half-life of pMHCII; when we allow pMHC half-life to vary to very low values, the effect of history is observed (data now shown).