



**Supplementary figure: Comparing specificities.** The HIV<sup>EpiJen</sup> dataset has been used for the analysis. The average specificity is found at a predefined average sensitivity using either NetCTL-1.2 or one of the four test methods (EpiJen, MAPPP, MHC-pathway, WAPP). A: Average sensitivity = 0.3, B: Average sensitivity = 0.5, C: Average sensitivity = 0.8. Only NetCTL-1.2, MAPPP and MHC-pathway provide enough predicted scores to obtain a sensitivity of 0.8. The error bars are the standard error.

\*\* The difference is significant at  $P < 0.01$ .

\* The difference is significant at  $P < 0.05$ .