



**Figure S4.** Specific activity of IgG and IgA during vaccination with ALVAC/AIDSVAX. The ratio of Ag-specific Ig/total Ig was calculated at baseline and after each vaccination for IgG and IGA in (a,b) cervical (open symbols) and vaginal (closed symbols) explants; (c,d) rectal (open symbols) and sigmoidal (closed symbols) explants; (e,f) vaginal and (g,h) rectal secretions; and (i,j) serum for each animal. Means are shown with lines. Statistical significance: \*  $p \leq 0.05$ , \*\*  $p \leq 0.01$ , \*\*\*  $p \leq 0.001$ , \*\*\*\*  $p \leq 0.0001$ .