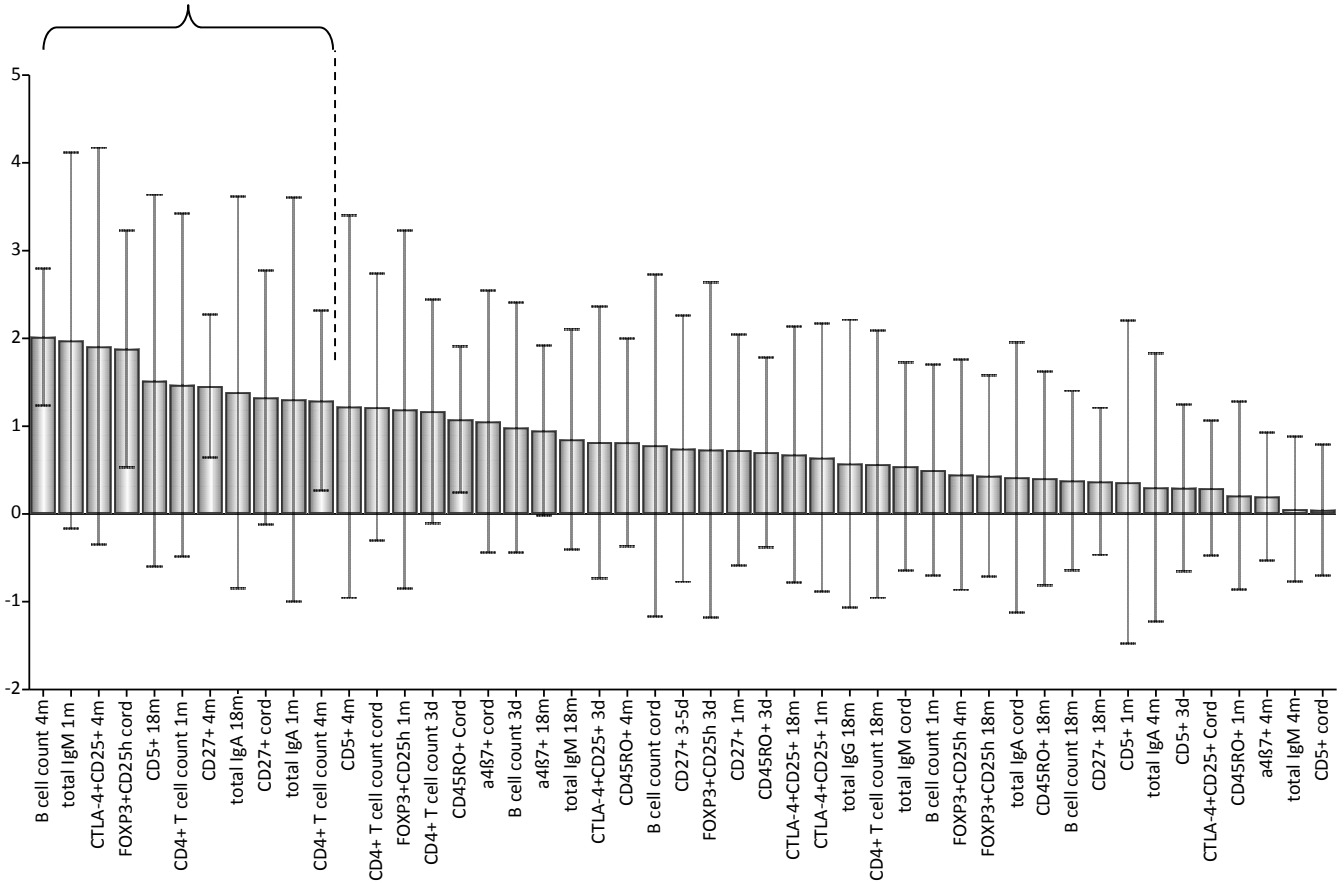


VIP plot based on OPLS analysis including IgG anti-diphtheria at 18 months (Y) and all X-variables up to 18 months of age.

X-variables included in the final OPLS loadings column plot in Figure 2A. VIP values  $\geq 1.25$



**Figure S1.** Representative variable importance for the projection (VIP) plot derived from the OPLS loadings column plot in figure 2A depicting associations between post-vaccination plasma titers of anti-diphtheria toxin antibodies at 18 months of age (Y-variable) and T- and B cell variables that characterize adaptive immune maturation (X-variables). VIP summarize the importance of the X-variables both to explain X and to correlate to Y. The plot is sorted to display the largest VIP to the left. Confidence intervals are derived from jackknifing.