

Description of Additional Supplementary Files

Supplementary Data 1 (a-c): Differential gene expression in whole blood before and after vaccination.

Supplementary Data 2 (a, b): Gene Ontology (GO) over-representation analysis of differentially expressed genes (DEG) significantly upregulated in response to antigen stimulation before and after vaccination.

Supplementary Data 3 (a-d): Remaining over-represented Gene Ontology (GO) terms following reduction of redundant terms from contrasts comparing unstimulated vs. antigen-stimulated samples before and after vaccination.

Supplementary Data 4 (a, b): Reactome over-representation analysis of differentially expressed genes (DEG) significantly upregulated upon antigen stimulation before and after vaccination.