**Supplementary Data, Item 1.** Inclusion and Exclusion Criteria.

**Supplementary Data, Item 2.** Extended methods for flow cytometry for lymphocyte phenotyping.

**Supplementary Data, Item 3.** Extended methods for ELISA assay for angiogenic cytokines.

**Supplementary Data, Item 4.** Detailed description of histopathological scoring of vaccination site and delayed-type hypersensitivity biopsies.

**Supplementary Data, Item 5.** Full flow cytometry panel for white blood cell immunophenotyping.

**Supplementary Data, Item 6**.Greatest percent change in expression of selected CD4+ and CD8+ T-lymphocyte markers of activation and regulation. \* denotes statistical significance (P< 0.05).