



**Supplementary Figure S1.** Lymphoproliferation Phenotyping Flow Cytometry. Facs plot example on antigen-specific memory CD4<sup>+</sup> and CD8<sup>+</sup> T-cells from PBMC of vaccinated patient after stimulation with Spike and Human actin peptide pools. Antigen-specific T-cells were defined as CD4<sup>+</sup> ICOS APC<sup>+</sup> CD25 PE-Cy7<sup>+</sup> and CD8<sup>+</sup> ICOS APC<sup>+</sup> CD25 PE-Cy7<sup>+</sup>.