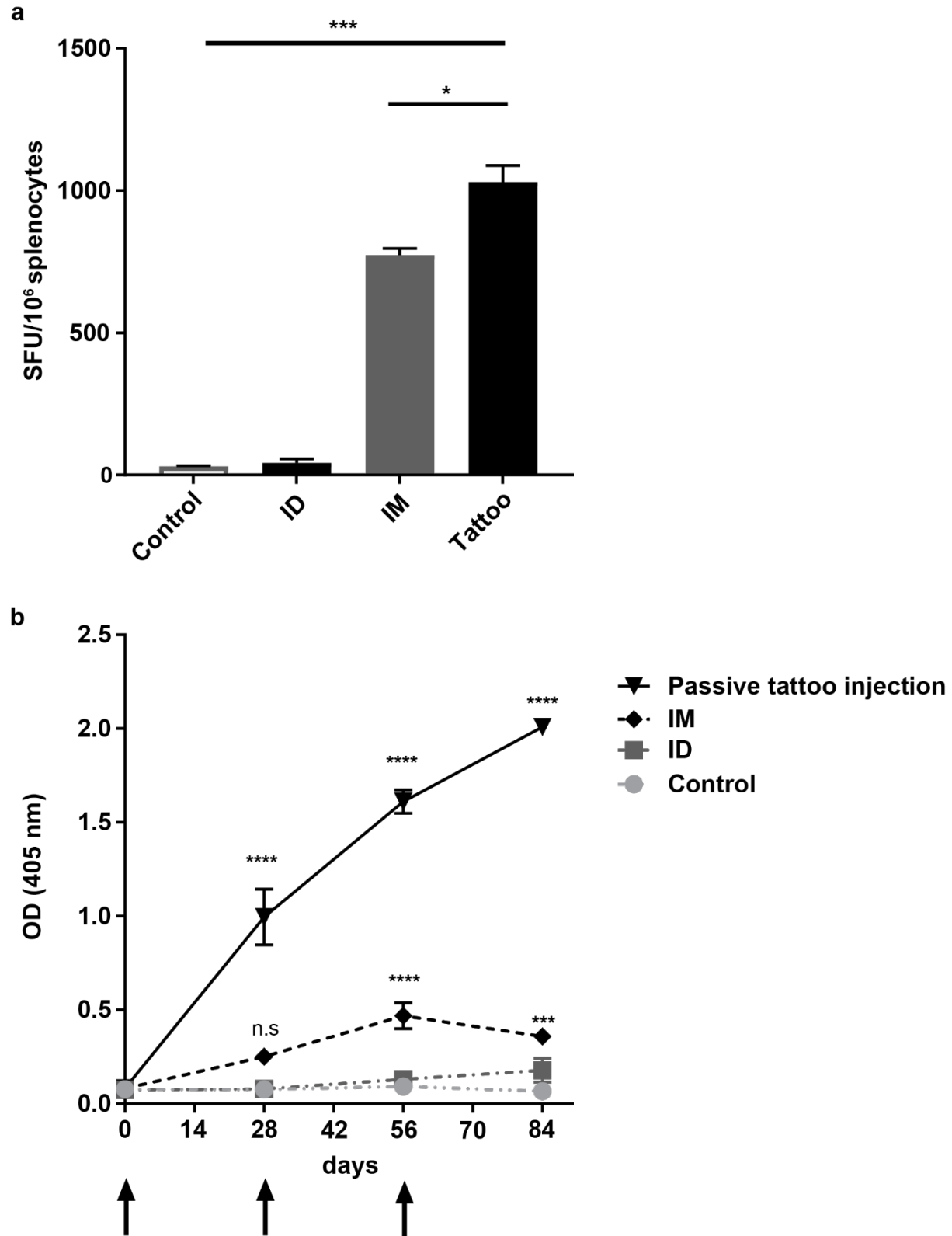




Supplementary Figure 1: ZGP-enhanced immune responses by DNA tattooing in mice. (a) ZGP specific IFN- γ responses in groups of C57BL/6 mice (n=3/group) after

vaccination with 100 µg of pcDNA3.1-GP EBOV Zaire as measured by ELISpot assay. Splenocytes were purified at day 10 after last boost and stimulated with a pool of peptides from GP/Mayinga-76 of Zaire Ebola virus. Results are expressed as Spot forming units (SFU)/10⁶ splenocytes. Data shown represent the means ± SEM of 3 different animals. Statistical analysis was made using one-way ANOVA, followed by Tukey multiple comparisons test. Asterisks denote statistically significant data (*p < 0.05, ***p < 0.001).

(b) ZGP IgG responses from immunized groups of mice (n=4/group). Antibodies responses were analyzed by ELISA at day 0 and every 28 days post-vaccination from serum samples, which were used in a 1/1000 dilution. Results are shown as means ± SEM. The arrows indicate the days of the initial vaccination and the two boosters. Statistical analysis was made using one-way ANOVA, followed by Tukey multiple comparisons test. Asterisks denote statistically significant data (***p < 0.001, ****p < 0.0001).