

## SUPPLEMENTARY MATERIAL

		Naïve patients			Pre-sensitized patients		
	Mean time since the start of the vaccination cycle	IgG titre	% change	P-value for change in IgG titre	IgG titre	% change	P-value for change in IgG titre
Before 1st dose	0	0.23 [0.18-0.32]	-	-	0.41 [0.24-2.20]	-	-
After 2nd dose	45	0.40 [0.23-1.03]	+73.9%	<0.001	0.77 [0.30-12.10]	+87.8%	0.002
Before 3rd dose	203	1.15 [0.64-1.04]	+178.7%	<0.001	5.88 [0.94-13.81]	+653.2%	0.021
After 3rd dose	232	2.78 [1.04-8.71]	+141.7%	<0.001	6.73 [3.05-12.33]	+14.4%	0.601

**Table S1** – IgG kinetic and relative changes across the entire vaccination cycle in naive and pre-sensitized patients. Differences in IgG titer across the different time-points are highlighted in percentages. Changes in IgG titre between time-points have been analyzed with Wilcoxon test for related samples.

		Naïve patients			Pre-sensitized patients		
		S-ELISpot	% change	P-value for change in S-ELISpot	S-ELISpot	% change	P-value for change in S-ELISpot
Before 1st dose	0	0 [0-1]	-	-	7 [0-11.25]	-	-
After 2nd dose	45	6 [1-12]	-	<0.001	15 [6-39]	+114.3%	0.006
Before 3rd dose	203	4.5 [1-9]	-25.0%	0.236	11 [6-29.25]	-26.6%	0.126
After 3rd dose	232	7 [1-14.5]	+55.6%	<0.001	18 [8.25-46.25]	+63.6%	<0.001

**Table S2** – S-ELISpot kinetic and relative changes across the entire vaccination cycle in naive and pre-sensitized patients. Differences in S-ELISpot across the different time-points are highlighted in percentages. Changes in between time-points have been analyzed with Wilcoxon test for related samples.