

Additional File 3

Summary of the HPV16-specific T-cell frequency measured by IFN γ -ELISPOT.

ID	pre vaccination							2 vaccinations							3 or 4 vaccinations						
	E6.1	E6.2	E6.3	E6.4	E7.1	E7.2	MRM	E6.1	E6.2	E6.3	E6.4	E7.1	E7.2	MRM	E6.1	E6.2	E6.3	E6.4	E7.1	E7.2	MRM
1	0	0	0	0	0	0	11	13	52	32	0	15	3	50	21	86	94	8	4	21	76
2	0	0	5	0	168	78	163	32	6	6	0	4	46	169	60	33	25	7	37	126	172
3	0	0	4	40	0	0	15	23	145	54	93	0	0	38	213	166	79	102	23	65	147
4								65	78	31	0	0	27	9							
5																					
6																					
7																					
8	0	8	0	8	0	12	0	18	141	28	17	27	170	2	3	3	0	0	4	8	0
9															8	17	23	52	0	0	0
10	0	0	0	0	1	0	8	0	8	28	0	7	16	9	0	5	4	3	5	5	3
11								0	0	0	0	0	0	0	0	4	20	0	0	3	0
12	0	3	12	5	2	4	17	18	82	40	13	9	9	14							
13	0	0	2	0	2	2	4	0	2	0	0	0	6	0	0	5	0	0	0	0	0
14	0	0	0	0	0	3	0	0	5	0	0	0	0	0							
15	0	0	0	0	0	8	19	17	126	277	0	0	14	0							
16																					
17	0	0	0	0	0	3	19	7	72	2	0	39	63	2	0	0	0	0	0	0	19
18																					
19	0	0	0	0	60	0	16	131	205	197	82	118	192	11	190	286	296	12	114	354	3
20	0	2	0	1	0	0	3	128	246	37	57	0	66	0							
21	0	5	0	0	0	0	194	0	180	0	0	0	13	105	0	132	0	0	0	23	181

Indicated is the number of specific spots per 100,000 PBMC, which were calculated by subtracting the mean number of spots + 2xSTD of the medium only control from the mean number of spots in experimental wells. Antigen-specific T-cell frequencies were considered to be increased compared to non-responders when specific T-cell frequencies were above 1/10,000 and are indicated in bold. Fields left open indicate that there was no PBMC sample that could be tested at that time point.