

Supplementary Table 1 | Mixed-model analysis of variables (age, sex, body mass index (BMI), previous infection and time) and anti-S antibody concentrations in group 1, group 2 and group 3, presented first for the entire group and then for the naïve individuals only.

		Group 1													
		all							naïve individuals						
		Estimate	Std. Error	df	t	Sig.	95% Confidence Interval (lower bound - upper bound)		Estimate	Std. Error	df	t	Sig.	95% Confidence Interval (lower bound - upper bound)	
age	<45 years	1595.02	793.28	34.81	2.01	0.052	-15.73	3205.77	1059.00	474.17	23.70	2.23	0.035	79.72	2038.28
	>45 years	0.00	0.00						0.00	0.00					
sex	female	1364.78	1039.79	34.79	1.31	0.198	-746.57	3476.12	-48.65	616.67	23.64	-0.08	0.938	-1322.42	1225.12
	male	0.00	0.00						0.00	0.00					
BMI	<25	428.97	832.97	34.76	0.51	0.610	-1262.47	2120.40	82.97	509.14	23.69	0.16	0.872	-968.56	1134.51
	>25	0.00	0.00						0.00	0.00					
previous infection	no	-3941.66	889.38	34.81	-4.43	0.000	-5747.56	-2135.77							
	yes	0.00	0.00												
time		83.22	24.78	41.70	3.36	0.002	33.20	133.23	126.70	15.79	27.91	8.02	0.000	94.35	159.06
		Group 2													
age	<45 years	398.58	167.66	244.72	2.38	0.018	68.35	728.82	341.93	166.97	211.56	2.05	0.042	12.80	671.06
	>45 years	0.00	0.00						0.00	0.00					
sex	female	356.38	206.71	249.51	1.72	0.086	-50.73	763.50	161.93	206.01	215.00	0.79	0.433	-244.13	567.99
	male	0.00	0.00						0.00	0.00					
BMI	<25	-213.11	164.80	243.38	-1.29	0.197	-537.73	111.51	-147.16	165.39	210.14	-0.89	0.375	-473.20	178.87
	>25	0.00	0.00						0.00	0.00					
previous infection	no	-938.32	242.70	264.84	-3.87	0.000	-1416.18	-460.46							
	yes	0.00	0.00												
time		-15.58	0.72	979.01	-21.62	0.000	-16.997	-14.168	-14.68	0.72	857.66	-20.48	0.000	-16.09	-13.27
		Group 3													
age	<45 years	-1205.89	528.46	99.76	-2.28	0.025	-2254.38	-157.40	-1069.34	567.37	91.24	-1.88	0.063	-2196.32	57.64
	>45 years	0.00	0.00						0.00	0.00					
sex	female	-25.49	664.77	92.76	-0.04	0.969	-1345.64	1294.65	-55.99	706.66	83.79	-0.08	0.937	-1461.31	1349.34
	male	0.00	0.00						0.00	0.00					
BMI	<25	-1717.47	537.22	105.71	-3.20	0.002	-2782.58	-652.35	-1637.60	574.98	94.46	-2.85	0.005	-2779.16	-496.04
	>25	0.00	0.00						0.00	0.00					
previous infection	no	-522.62	877.14	97.73	-0.60	0.553	-2263.33	1218.09							
	yes	0.00	0.00												
time		-8.40	3.52	148.30	-2.39	0.018	-15.36	-1.45	-7.25	3.65	132.60	-1.99	0.049	-14.47	-0.04