

Table-S1 Main features of the study participants

	4th dose	COVID-19 infection	Control	<i>P-value</i>
n	11	9	22	
Age (mean (SD))	69.45 (6.86)	62.22 (14.73)	64.95 (11.57)	0.353 ^a
Gender = Male (%)	9 (81.8)	2 (22.2)	10 (45.5)	
IgG blood-test-1* (Median [IQR])	8389.00 [5154.85, 27962.80]	7050.50 [3329.50, 11514.50]	5379.95 [2030.95, 25999.52]	0.647 ^b
Days from dose-3 to blood-test-1 (Median [IQR])	66.00 [65.00, 76.00]	68.00 [37.00, 71.00]	63.00 [46.25, 69.00]	0.171 ^b
IgG blood test 2* (Median [IQR])	22914.00 [16562.00, 40000.00]	40000.00 [39873.00, 40000.00]	2314.00 [459.00, 5540.05]	<0.001 ^b
Days from dose-3 to blood-test-2 (Median [IQR])	166.00 [161.00, 177.50]	166.00 [139.00, 173.00]	160.00 [148.25, 170.50]	0.169 ^b

^a - ANOVA test used for the difference of means

^b - Kruskal-Wallis rank sum test used to perform the non-parametric test

* IgG are presented as AU/ml

Interquartile range (IQR), Immunoglobulin G (IgG)