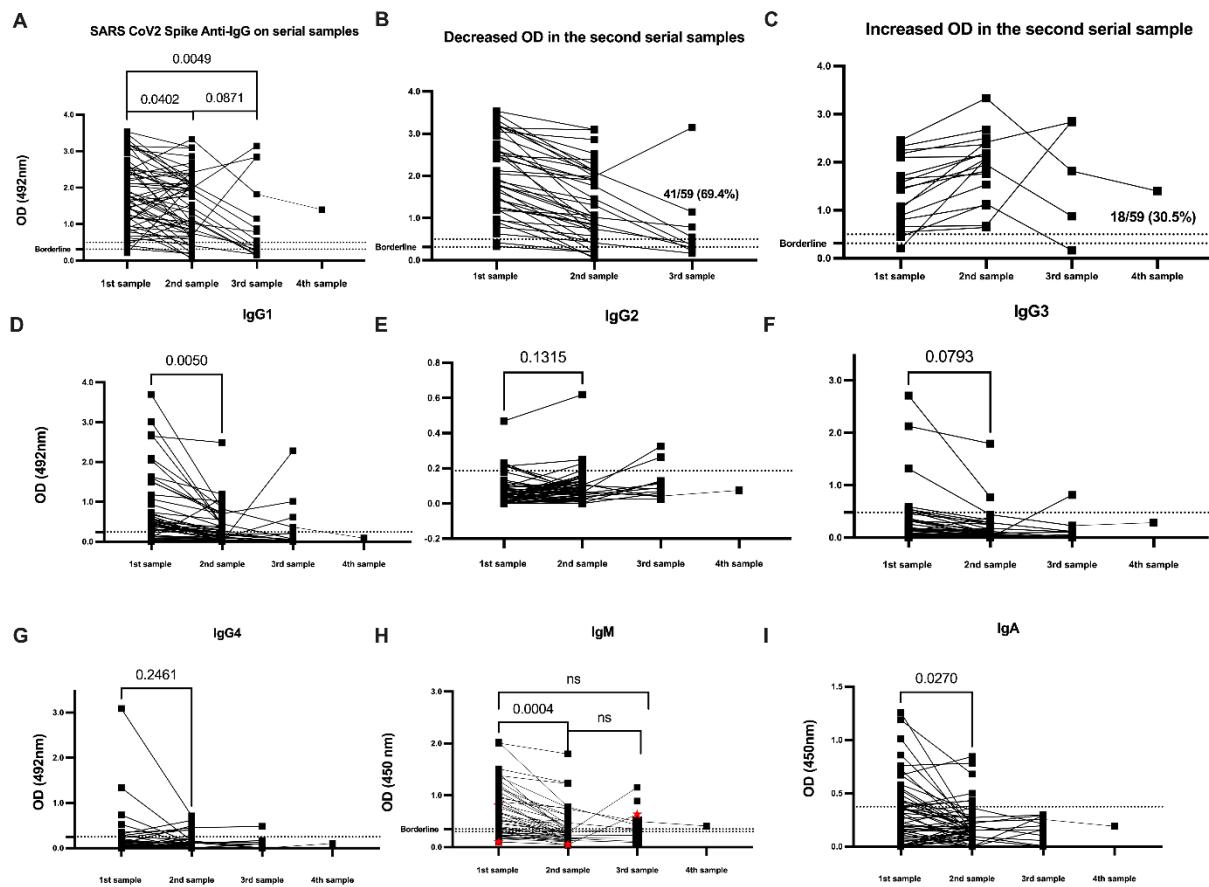
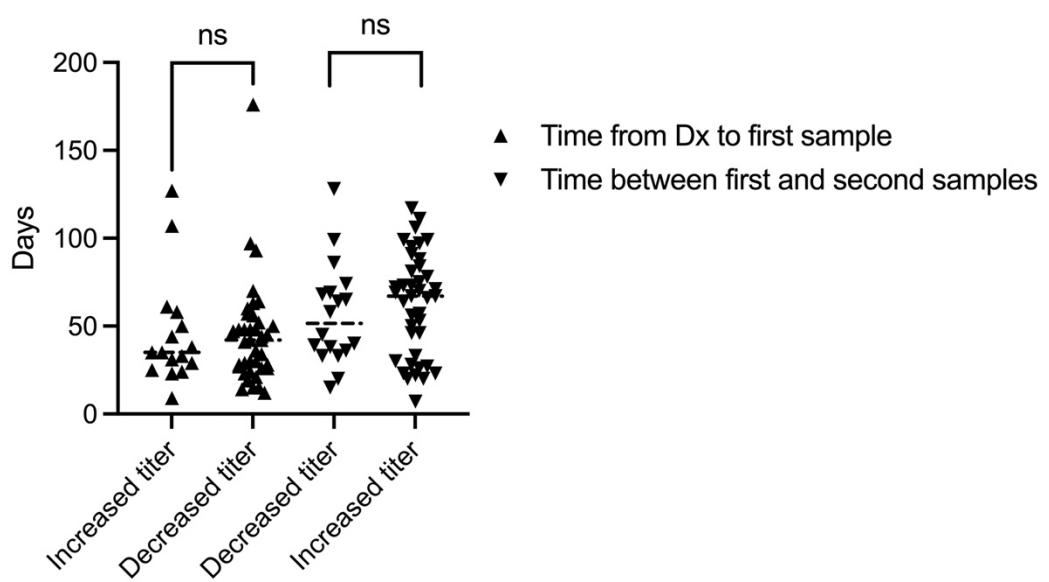


Please add supplementary table



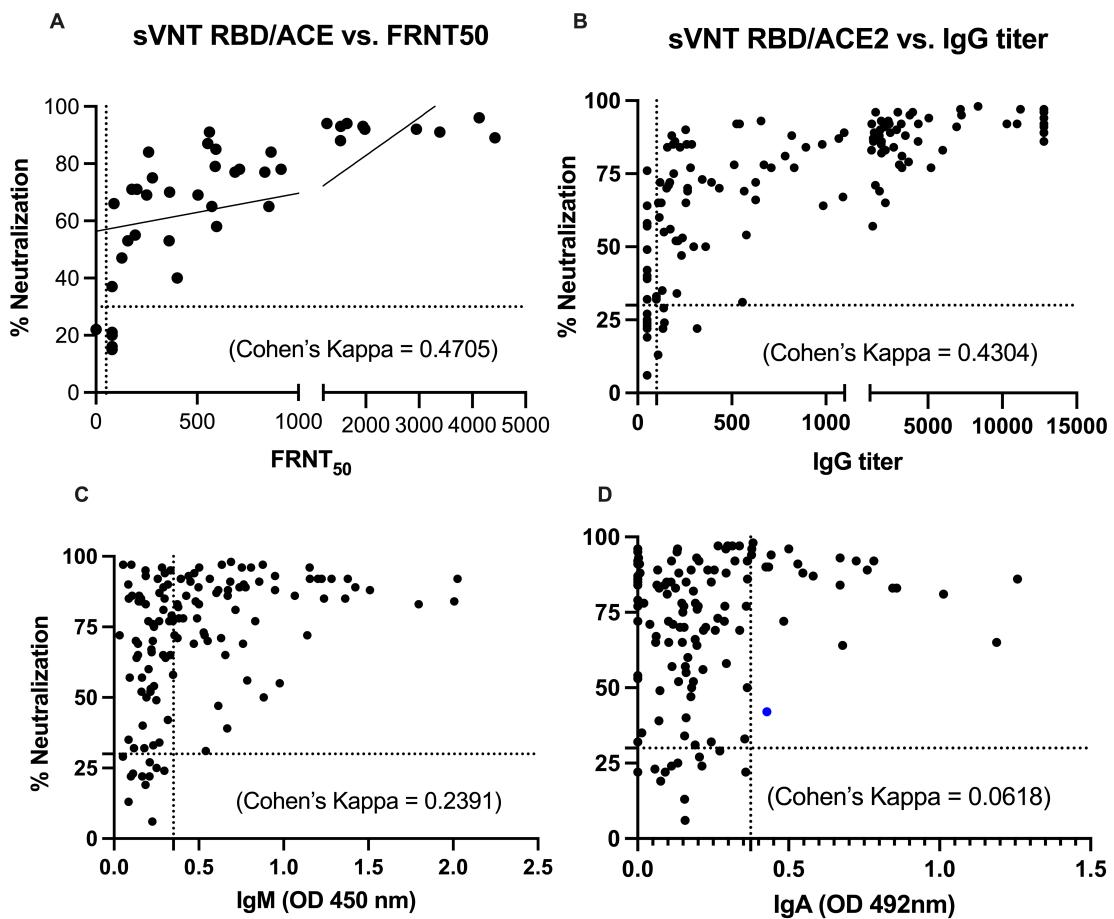
Supplementary figure 1

**Supplementary Figure S1: Antibody subclasses isotypes in a longitudinal cohort of 59 volunteers exposed to SARS-CoV-2.** Panel A shows the total anti-S antibodies in the second set of samples collected an average of 67.8 days after the first set of samples (an average of 108 days after PCR-confirmed SARS-CoV-2 infection). A third sample was collected from a subset of the participants ( $n=12$ ) an average of 99.5 days after the second set of samples (an average of 207 days after infection). Two different patterns in the kinetics of the antibody response were identified: (1) 74.5% of samples showed a decrease in the binding from the time of the first to the second sampling (Panel B) and (2) 25.4% of samples showed increased values relative to the first sampling (Panel C). Panels D-G show the results of antibody binding for the different subclasses tested, with IgG1 being the predominant subclass. Panels H and I show the results for IgM and IgA isotypes. Statistical significance was determined by One-way ANOVA multiple comparisons test and unpaired T test to test for increase or decrease among samples.  $p<0.05$  was considered significant. Sample 3 encompass the 15 subjects from whom a collection of a third sample was completed. Panels D to I, includes the number of samples, from the initial cohort of 59 subjects before vaccination, that were positive for each of the antibody's subtype or subclasses as described in the results section.



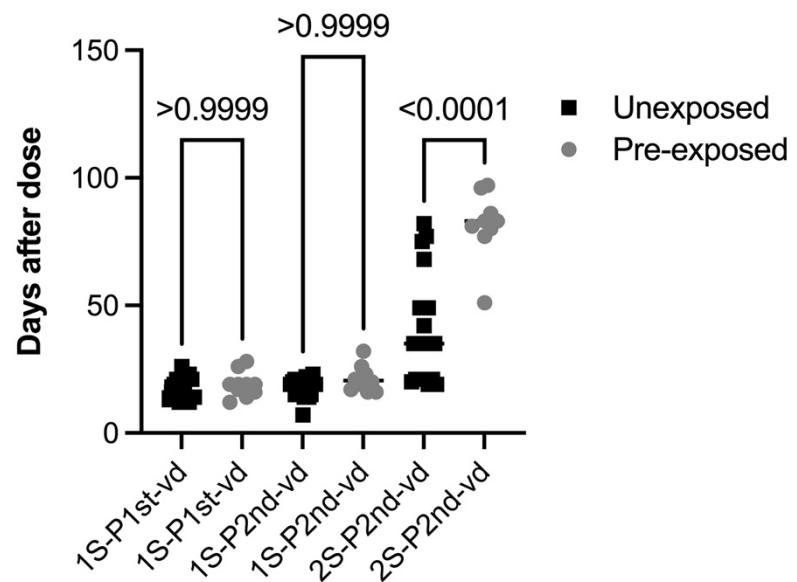
**Supplementary figure 2**

**Supplementary Figure S2: Time elapsed between diagnosis and sample collection was not significantly different between groups.** There were no significant differences in the time from diagnostic (Dx) to the first sample collection or between the first and the second samples collection in both groups. Statistical significance was determined by One-way ANOVA multiple comparisons test.  $p<0.05$  was considered significant. Results are from the 59 subjects in the initial cohort before vaccination. From two subjects in the increased titer and from one in the decreased subgroups we were unable to establish the precise time of diagnostic.



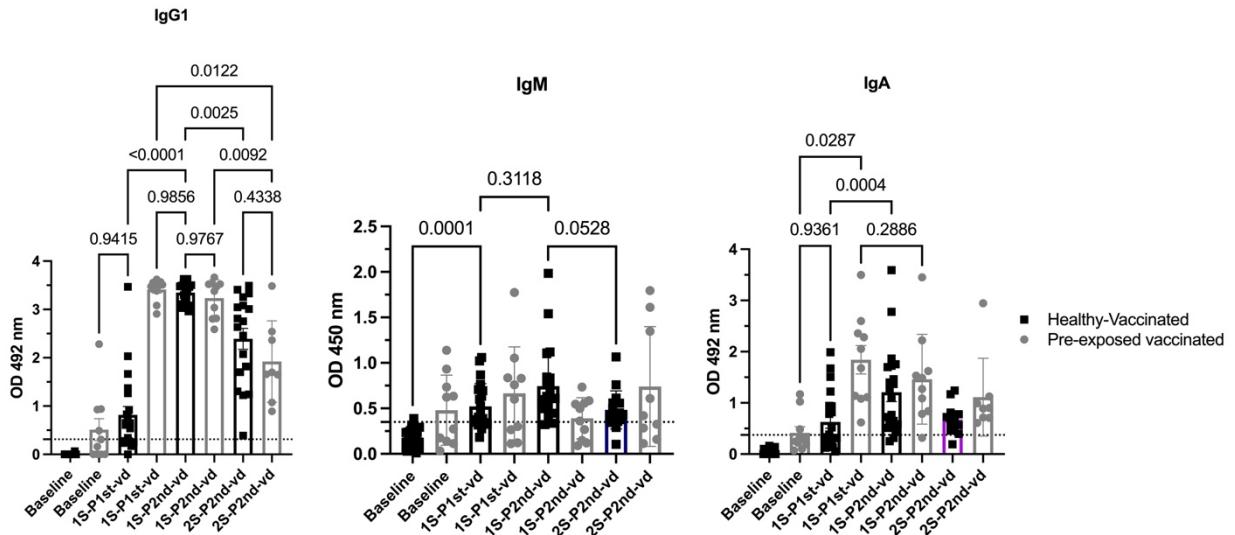
Supplementary figure 3

**Supplementary Figure S3: IgG titers—but not IgM or IgA—correlate with neutralization.** Panel A shows moderate agreement between the sVNT and Focus Reduction Neutralization Tests (FRNT) using the whole virus. Panel B also shows the correlation between the neutralization capacity measured with the surrogate viral neutralization test (sVNT) and the total IgG titers, confirming a moderate agreement. Panels C and D show a fair and a slight agreement between the neutralization activity and the IgM and IgA titers, respectively. All samples ( $n=131$ ) from the 59 subjects in the initial cohort, before vaccination, were included in the analysis for figures in panels A, C and D. A subset of 41 samples with prior known FRNT results, were used for the correlation analysis showed in panel B. Cohen's Kappa agreement follow Landis and Koch scale. The values ( $\kappa$ ) were considered as follows: poor agreement,  $\kappa<0.2$ ; fair agreement,  $\kappa=0.21$  to 0.4; moderate agreement,  $\kappa=0.41$  to 0.6; substantial agreement,  $\kappa=0.61$  to 0.8; very good agreement,  $\kappa=0.81$  to 1.0



#### Supplementary figure S4

**Supplementary Figure S4: Time elapsed between sample collection after vaccination.** The time between the first and second samples after the 1<sup>st</sup> or the 2<sup>nd</sup> vaccine dose (1S-P1st-vd, 1S-P2nd-vd) were similar in both groups (pre-exposed and unexposed vaccinated subgroups). However, the time of collection of the third sample (2S-P2nd-vd) was significantly longer for the pre-exposed group compared with the unexposed group. Statistical significance was determined by One-way ANOVA multiple comparisons test and unpaired T test to test for increase or decrease among samples.  $p<0.05$  was considered significant. Unexposed and vaccinated group n=21. Pre-exposed and vaccinated group n=10.



Supplementary figure 5

**Supplementary Figure S5: IgG1, IgM and IgA are differentially boosted by the vaccination in healthy or pre-exposed vaccinated subgroups.** The boost of the IgG1 in both subgroups agrees with the total antibodies' changes showed in figure 3 after each vaccine dose. First vaccine dose induces a significant increase in the IgM values only in the unexposed healthy subjects. The first vaccine dose significantly boosted the IgA values in both groups. The increase in IgA titers was significantly higher in the pre-exposed vaccinated group compared to the healthy-vaccinated group. The second vaccine boost resulted in an additional significant increase in IgA titers only in the healthy-vaccinated group suggesting an advantage of the second shot in naïve individuals. Time between the first and second samples after the 1<sup>st</sup> or the 2<sup>nd</sup> vaccine dose (1S-P1st-vd, 1S-P2nd-vd) in pre-exposed and unexposed vaccinated subgroups. Statistical significance was determined by One-way ANOVA multiple comparisons test and unpaired T test to test for increase or decrease among samples. p<0.05 was considered significant.

Number (ID)	Completion Date	Time between 2nd and 3rd sample (days)	Agnostic time (2nd and 3rd samples)	Time between 2nd and 4th sample (days)	Agnostic time (2nd and 4th samples)	Time between 2nd and 5th sample (days)	Agnostic time (2nd and 5th samples)	Time between 2nd and 6th sample (days)	Agnostic time (2nd and 6th samples)	Diagnosis Date	Time between diagnosis and 2nd sample	Agnostic time (2nd and 2nd samples)	Time between diagnosis and 3rd sample		
1	2021-01-01	22	1 month 2 days	26	2 months 11 days	71	2 months 11 days	90	2 months	141	5 months 11 days	3/2/2021	21	1 month 1 day	71
2	2021-01-01	66	3 months 9 days									3/2/2021	22	1 month 3 days	66
3	2021-01-01	427	9 months 21 days									3/2/2021	20	1 month 8 days	66
4	2021-01-01	60	2 months 26 days									4/2/2021	35	1 month 5 days	65
5	2021-01-01	24	1 month 3 days	47	2 months 7 days	100	3 months 20 days					5/2/2021	28	1 month 8 days	76
6	2021-01-01	62	1 month 20 days	76	2 months 15 days	125	4 months 5 days					5/2/2021	54	1 month 24 days	112
7	2021-01-01	30	1 month 6 days									5/7/2021	33	1 month 3 days	65
8	2021-01-01	46	1 month 14 days	96	3 months 5 days	141	4 months 21 days					4/24/2021	24	1 month 4 days	60
9	2021-01-01	61	2 months 7 days									5/2/2021	58	1 month 28 days	123
10	2021-01-01	47	2 months 7 days									5/2/2021	64	1 month 24 days	111
11	2021-01-01	48	1 month 28 days									5/2/2021	62	1 month 1 day	120
12	2021-01-01	12	1 month 23 days									5/2/2021	26	16 days	76
13	2021-01-01	40	1 month 15 days									5/2/2021	56	1 month 5 days	60
14	2021-01-01	71	2 months 11 days									4/29/2021	52	12 days	62
15	2021-01-01	22	2 months 12 days	136	4 months 14 days	208	4 months 28 days					3/2/2021	47	1 month 17 days	119
16	2021-01-01	73	2 months 13 days									3/2/2021	48	1 month 18 days	121
17	2021-01-01	56	1 month 26 days									4/2/2021	50	1 month 20 days	106
18	2021-01-01	74	2 months 14 days	123	4 months 2 days	107	4 months 17 days					5/2/2021	44	1 month 0 days	118
19	2021-01-01	44	2 months 4 days									5/2/2021	48	1 month 18 days	122
20	2021-01-01	44	2 months 4 days									4/2/2021	52	1 month 20 days	124
21	2021-01-01	75	2 months 21 days									5/2/2021	58	12 days	66
22	2021-01-01	88	2 months 28 days	137	4 months 17 days	225	7 months 15 days					4/27/2021	14	14 days	102
23	2021-01-01	78	2 months 17 days									3/2/2021	48	1 month 16 days	126
24	2021-01-01	68	2 months 9 days									4/2/2021	29	20 days	66
25	2021-01-01	23	20 days									4/3/2021	97	2 months 7 days	120
26	2021-01-01	95	2 months 5 days									3/3/2021	43	1 month 11 days	106
27	2021-01-01	100	3 months 14 days									3/2/2021	48	1 month 18 days	124
28	2021-01-01	93	3 months 1 day									4/3/2021	57	1 month 27 days	148
29	2021-01-01	117	3 months 27 days									3/30/2021	42	1 month 12 days	129
30	2021-01-01	30	1 month									4/9/2021	15	15 days	45
31	2021-01-01	26	26 days									7/2/2021	28	28 days	54
32	2021-01-01	20	20 days									6/7/2021	26	24 days	46
33	2021-01-01	68	2 months 9 days									4/14/2021	93	1 month 2 days	122
34	2021-01-01	15	15 days									6/17/2021	24	24 days	29
35	2021-01-01	67	2 months 7 days									5/18/2021	64	1 month 4 days	121
36	2021-01-01	28	28 days									4/2/2021	70	2 months 10 days	66
37	2021-01-01	27	27 days									4/3/2021	21	21 days	48
38	2021-01-01	24	1 months 3 days									7/24/2021	36	1 month 6 days	66
39	2021-01-01	22	23 days									4/28/2021	15	15 days	36
40	2021-01-01	7	7 days									6/17/2021	20	1 month	12
41	2021-01-01	68	2 months 8 days												
42	2021-01-01	64	2 months 24 days	127	4 months 7 days	211	7 months 1 day					3/13/2021	60	2 months	144
43	2021-01-01	64	2 months 24 days									7/24/2021	43	1 month 13 days	141
44	2021-01-01	80	1 months 9 days									5/2/2021	25	20 days	63
45	2021-01-01	38	1 months 8 days	144	4 months 24 days	182	6-months 2 days					7/24/2021	20	29 days	66
46	2021-01-01	57	1 month 27 days	69	3 months 9 days	136	4 months 6 days					5/2/2021	33	23 days	66
47	2021-01-01	40	1 month 16 days									5/14/2021	19	19 days	66
48	2021-01-01	35	2 months 11 days									7/2/2021	23	22 days	121
49	2021-01-01	130	4 months 8 days									5/2/2021	45	1 month 15 days	144
50	2021-01-01	66	1 months 6 days									5/2/2021	176	5 months 26 days	272
51	2021-01-01	87	3 months 7 days									5/9/2021	24	24 days	99
52	2021-01-01	75	2 months 15 days									5/2/2021	80	1 month	121
53	2021-01-01	80	2 months 21 days									4/28/2021	63	1 month 3 days	126
54	2021-01-01	73	2 months 13 days									5/2/2021	52	1 month 22 days	128
55	2021-01-01	60	2 months 6 days									5/12/2021	127	4 months 7 days	147
56	2021-01-01	20	30 days	118	1 months 9 days	179	1months 20 days								
57	2021-01-01	60	1 month 30 days	106	3 months 16 days	146	4 months 26 days					4/10/2021	9	9 days	49
58	2021-01-01	111	1 months 21 days									4/28/2021	28	24 days	149
59	2021-01-01	20	20 days									5/2/2021	27	21 days	67
Average		62.08	- 2 months	106.23	- 3 months	326.21	- 1 months	90	- 3 months	141	- 1 months	Average	48.72	- 1.5 months	106.23

Minimum and maximum time range between samples  
Number (ID) Minimum (days) Range (in months) Maximum (days) Range (in months)

Subjects with two samples: 62 (1 month 1 day to 1 year 8 months)  
Subjects with three samples: 67 (1 day to 2 months 11 days) 179 (22 days to 2 months 15 days)

Number ID	Timestamp	Samples	HEALTHY VACCINATED VOLUNTEERS				
			Time Between First Dose and 1st Sample Post Vac	Time Between First Dose and 2nd Sample Post 2nd Vac	Time Between Second Dose and 1st Sample Post 2nd Vac	Time Between Second Dose and 2nd Sample Post 2nd Vac	Time Between First Dose and Last Sample Post 2nd Vac
479.2	First Dose	3/2/2021					
479.3	First Sample PV1	3/10/2021					
479.4	Second Sample PV2	3/10/2021	26	76		16	49
479.5	Third Sample PV3	3/10/2021					
112.2	Baseline	4/2/2021					
112.3	First Sample PV1	3/2/2021					
112.4	Second Sample PV2	3/2/2021	21	70		14	42
112.5	Third Sample PV3	3/2/2021					
243	Baseline	3/10/2021					
243.1	First Dose	3/10/2021					
243.2	First Sample PV1	3/10/2021					
243.3	Second Sample PV2	3/10/2021	13	56		15	35
243.4	Third Sample PV3	3/10/2021					
243.5	Fourth Sample PV4	3/10/2021					
243.6	Baseline	4/2/2021					
243.7	First Sample PV1	3/10/2021					
243.8	Second Sample PV2	3/10/2021	15	56		15	35
243.9	Third Sample PV3	3/10/2021					
243.10	Fourth Sample PV4	3/10/2021					
110.2	Baseline	3/10/2021					
110.3	First Sample PV1	3/2/2021					
110.4	Second Sample PV2	3/2/2021	18	70		18	49
110.5	Third Sample PV3	3/2/2021					
190	Baseline	3/10/2021					
190.1	First Dose	3/10/2021					
190.2	First Sample PV1	3/10/2021					
190.3	Second Sample PV2	3/10/2021	12	103		23	82
190.4	Third Sample PV3	3/10/2021					
489	Baseline	3/10/2021					
489.1	First Dose	3/10/2021					
489.2	First Sample PV1	3/10/2021					
489.3	Second Sample PV2	3/10/2021	23	100		19	77
489.4	Third Sample PV3	3/10/2021					
489.5	Fourth Sample PV4	3/10/2021					
383	Baseline	3/10/2021					
383.1	First Dose	3/10/2021					
383.2	First Sample PV1	3/10/2021					
383.3	Second Sample PV2	3/10/2021	23	98		17	75
383.4	Third Sample PV3	3/10/2021					
383.5	Fourth Sample PV4	3/10/2021					
110.2	Baseline	3/10/2021					
110.3	First Sample PV1	3/2/2021					
110.4	Second Sample PV2	3/2/2021	21	56		19	35
110.5	Third Sample PV3	3/2/2021					
110.6	Fourth Sample PV4	3/2/2021					
110.7	Baseline	4/2/2021					
110.8	First Sample PV1	3/2/2021					
110.9	Second Sample PV2	3/2/2021	16	42		14	21
110.10	Third Sample PV3	3/2/2021					
110.11	Fourth Sample PV4	3/2/2021					
110.12	Baseline	4/2/2021					
110.13	First Sample PV1	3/2/2021					
110.14	Second Sample PV2	3/2/2021	14	42		7	21
110.15	Third Sample PV3	3/2/2021					
110.16	Fourth Sample PV4	3/2/2021					
110.17	Baseline	4/2/2021					
110.18	First Sample PV1	3/2/2021					
110.19	Second Sample PV2	3/2/2021	14	42		7	21
110.20	Third Sample PV3	3/2/2021					
110.21	Fourth Sample PV4	3/2/2021					
110.22	Baseline	4/2/2021					
110.23	First Sample PV1	3/2/2021					
110.24	Second Sample PV2	3/2/2021	14	41		7	20
110.25	Third Sample PV3	3/2/2021					
110.26	Fourth Sample PV4	3/2/2021					
110.27	Baseline	4/2/2021					
110.28	First Sample PV1	3/2/2021					
110.29	Second Sample PV2	3/2/2021	12	40		6	19
110.30	Third Sample PV3	3/2/2021					
110.31	Fourth Sample PV4	3/2/2021					
110.32	Baseline	4/2/2021					
110.33	First Sample PV1	3/2/2021					
110.34	Second Sample PV2	3/2/2021	14	42		7	21
110.35	Third Sample PV3	3/2/2021					
110.36	Fourth Sample PV4	3/2/2021					
110.37	Baseline	4/2/2021					
218.2	First Dose	3/2/2021					
218.3	First Sample PV1	3/2/2021					
218.4	Second Sample PV2	3/2/2021	28	125		21	97
218.5	Third Sample PV3	3/2/2021					
218.6	Fourth Sample PV4	3/2/2021					
218.7	Baseline	4/2/2021					
218.8	First Sample PV1	3/2/2021					
218.9	Second Sample PV2	3/2/2021	12	107		19	86
218.10	Third Sample PV3	3/2/2021					
218.11	Fourth Sample PV4	3/2/2021					
218.12	Baseline	4/2/2021					
218.13	First Sample PV1	3/2/2021					
218.14	Second Sample PV2	3/2/2021	17	98		16	77
218.15	Third Sample PV3	3/2/2021					
218.16	Fourth Sample PV4	3/2/2021					
218.17	Baseline	4/2/2021					
218.18	First Sample PV1	3/2/2021					
218.19	Second Sample PV2	3/2/2021	19	104		26	83
218.20	Third Sample PV3	3/2/2021					
218.21	Fourth Sample PV4	3/2/2021					
218.22	Baseline	4/2/2021					
218.23	First Sample PV1	3/2/2021					
218.24	Second Sample PV2	3/2/2021	26	104		32	
218.25	Third Sample PV3	3/2/2021					
218.26	Fourth Sample PV4	3/2/2021					
218.27	Baseline	4/2/2021					
218.28	First Dose	3/2/2021					
218.29	First Sample PV1	3/2/2021					
218.30	Second Sample PV2	3/2/2021	19	104		26	
218.31	Third Sample PV3	3/2/2021					
218.32	Fourth Sample PV4	3/2/2021					
218.33	Baseline	4/2/2021					
218.34	Average Days	18.9					
Previous Natural Infected Vaccinated Volunteers							
Number ID	Timestamp	Samples	Time Between First Dose and 1st Sample Post Vac	Time Between First Dose and 2nd Sample Post 2nd Vac	Time Between Second Dose and 1st Sample Post 2nd Vac	Time Between Second Dose and 2nd Sample Post 2nd Vac	Time Between First Dose and Last Sample Post 2nd Vac
			Time Between First Dose and 1st Sample Post Vac	Time Between First Dose and 2nd Sample Post 2nd Vac	Time Between Second Dose and 1st Sample Post 2nd Vac	Time Between Second Dose and 2nd Sample Post 2nd Vac	Time Between First Dose and Last Sample Post 2nd Vac

ID	DX	First dose vaccine	Time (days) between Dx and first vaccine dose	Months
384	9/8/20	12/28/20	111	3.7
367.7	10/10/20	1/8/21	90	3.0
218	10/14/20	1/7/21	85	2.8
376	7/30/20	1/22/21	176	5.9
313	8/10/20	1/26/21	169	5.6
382	8/28/20	1/23/21	148	4.9
511	11/23/20	1/29/21	67	2.2
512	11/23/20	1/29/21	67	2.2
294	7/13/20	1/30/21	201	6.7
297	3/15/20	2/3/21	310	10.3
<b>Average</b>			<b>142.4</b>	<b>4.7</b>

Summary results from 59 serial samples													
n=59	Numeric ID	Sample Date	OD mean	Est IgG titer	IgG1>242*	IgG2>0.196	IgG3>48*	IgG4>0.251*	IgA>0.374*	IgM>0.350*	Surrogate VNT >30%		
1	105	6/30/20	<b>2.4548</b>	3483	<b>3.7</b>	0.308	<b>1.315</b>	0.150	0.008	<b>0.949</b>	<b>88</b>		
	105.2	6/2/20	<b>3.33</b>	>12800	<b>0.82</b>	0.066	0.437	-0.044	0.232	<b>0.740</b>	<b>89</b>		
	105.3	7/10/20	<b>1.818</b>	1097	<b>0.365</b>	0.042	0.226	-0.037	0.254	<b>0.498</b>	<b>89</b>		
	105.4	10/8/20	<b>1.4</b>	513	0.088	0.075	0.286	0.103	0.191	<b>0.407</b>	<b>78</b>		
	112	4/27/20	<b>2.1755</b>	2094	<b>3.01</b>	0.005	0.370	0.099	<b>0.530</b>	<b>0.856</b>	<b>91</b>		
2	122	5/2/20	<b>2.5</b>	3716	<b>0.54</b>	0.049	0.164	0.049	0.149	<b>0.465</b>	<b>55</b>		
	133	6/3/20	<b>1.6006</b>	287	<b>0.101</b>	0.037	0.060	0.036	0.110	<b>1.363</b>	<b>85</b>		
	133.2	8/12/20	<b>2.075</b>	1746	-0.085	0.071	-0.073	-0.224	0.257	<b>0.761</b>	<b>69</b>		
4	148	5/11/20	<b>2.249</b>	2398	<b>0.684</b>	0.133	0.320	0.004	0.364	<b>0.565</b>	<b>92</b>		
	148.2	5/5/20	<b>2.37</b>	2985	<b>0.255</b>	0.055	0.255	-0.035	0.500	<b>0.502</b>	<b>96</b>		
	137	4/30/20	<b>1.037</b>	265	0.12	-0.018	0.046	0.006	0.225	<b>0.552</b>	<b>70</b>		
5	137.2	5/2/20	<b>2.44</b>	1048	0.086	0.049	0.166	-0.016	0.175	<b>0.474</b>	<b>81</b>		
	137.3	5/2/20	<b>1.893</b>	6934	<b>0.612</b>	0.138	0.028	0.007	0.009	<b>0.685</b>	<b>91</b>		
	139	5/21/20	<b>3.329</b>	>12800	<b>1.067</b>	-0.007	<b>0.256</b>	<b>1.336</b>	0.132	<b>0.807</b>	<b>96</b>		
6	195	5/21/20	<b>1.983</b>	1479	<b>0.702</b>	0.026	0.073	0.163	-0.005	<b>0.282</b>	<b>96</b>		
	195.2	8/4/20	<b>3.145</b>	>12800	<b>1.008</b>	0.108	0.208	-0.024	-0.059	0.292	<b>1.154</b>	<b>96</b>	
	231	6/5/20	<b>2.33</b>	2897	<b>0.513</b>	0.034	0.150	0.072	<b>0.425</b>	<b>0.765</b>	<b>90</b>		
7	231.2	7/11/20	<b>2.676</b>	5200	0.176	0.024	0.032	0.055	0.153	0.346	<b>77</b>		
	231.3	7/15/20	<b>2.411</b>	1000	0.086	0.049	0.065	0.004	0.008	0.162	<b>80</b>		
	209.2	7/17/20	<b>1.761</b>	986	0.116	0.111	0.027	-0.028	0.103	0.303	<b>64</b>		
8	209.3	8/31/20	<b>0.4546</b>	109	-0.127	0.035	-0.015	-0.063	0.103	0.311	<b>65</b>		
	183	5/11/20	<b>1.711</b>	893	<b>0.43</b>	-0.025	0.070	0.030	<b>0.670</b>	<b>2.006</b>	<b>84</b>		
	183.2	7/15/20	<b>2.185</b>	2133	0.119	0.148	0.052	0.199	<b>0.845</b>	<b>1.797</b>	<b>83</b>		
10	163	5/11/20	<b>1.437</b>	627	<b>0.575</b>	-0.055	0.050	0.230	0.190	0.222	<b>66</b>		
	163.2	7/17/20	<b>0.921</b>	216	0.069	0.020	0.038	<b>0.418</b>	0.185	0.214	<b>52</b>		
	163.3	7/20/20	<b>1.544</b>	107	0.077	0.070	0.033	0.017	0.145	0.245	<b>54</b>		
11	199.2	7/18/20	<b>1.816</b>	1091	0.079	0.023	0.038	-0.008	0.061	0.220	<b>67</b>		
	210	5/28/20	<b>1.053</b>	10304	<b>0.732</b>	0.180	0.033	0.024	-0.044	<b>1.202</b>	<b>92</b>		
	210.2	7/20/20	<b>2.86</b>	726	<b>0.547</b>	0.075	0.009	0.095	-0.098	0.332	<b>95</b>		
12	229	6/5/20	<b>2.103</b>	1866	<b>0.380</b>	0.216	0.125	0.000	-0.082	0.159	<b>85</b>		
	229.2	7/20/20	<b>2.115</b>	1875	<b>0.248</b>	0.064	0.041	-0.023	0.175	0.106	<b>86</b>		
	229.3	7/20/20	<b>2.115</b>	1023	0.071	0.049	0.143	0.016	0.150	<b>0.377</b>	<b>55</b>		
14	156.1	5/11/20	<b>1.054</b>	122	0.030	0.012	0.045	0.012	0.117	0.165	<b>47</b>		
	156	5/11/20	<b>1.759</b>	832	<b>0.515</b>	<b>0.285</b>	0.060	0.120	0.200	0.325	<b>77</b>		
	156.2	7/22/20	<b>1.307</b>	433	0.174	0.056	0.032	0.123	0.154	0.129	<b>70</b>		
16	170	5/11/20	<b>3.140</b>	12800	<b>1.61</b>	0.036	0.175	<b>0.315</b>	<b>0.760</b>	<b>1.423</b>	<b>89</b>		
	170.2	7/23/20	<b>3.068</b>	1090	<b>0.694</b>	0.158	0.134	<b>0.616</b>	<b>0.782</b>	0.258	<b>92</b>		
	170.3	7/23/20	<b>2.516</b>	4335	<b>0.389</b>	0.060	0.000	-0.012	0.122	0.168	<b>86</b>		
17	207.2	7/23/20	<b>1.912</b>	1021	0.071	0.031	0.065	0.090	0.122	0.182	<b>53</b>		
	185	5/11/20	<b>1.43</b>	541	<b>0.576</b>	<b>0.216</b>	0.007	-0.034	-0.150	<b>2.026</b>	<b>92</b>		
	185.2	7/24/20	<b>1.948</b>	1387	<b>0.275</b>	0.103	0.051	0.126	0.066	<b>0.776</b>	<b>89</b>		
19	185.3	9/11/20	<b>0.8741</b>	197	-0.098	0.082	-0.024	0.084	-0.093	<b>0.426</b>	<b>86</b>		
	302	5/11/20	<b>0.326</b>	<100	-0.029	0.074	0.003	-0.078	-0.090	0.209	<b>22</b>		
	302.2	7/17/20	<b>0.315</b>	0.180	0.010	0.030	0.044	0.065	-0.105	0.200	<b>77</b>		
20	203.2	7/24/20	<b>1.579</b>	2143	0.1187	0.092	0.053	0.078	0.148	0.141	<b>65</b>		
	203.2	7/24/20	<b>2.188</b>	1888	<b>0.427</b>	0.046	0.072	-0.034	0.185	<b>0.378</b>	<b>82</b>		
	180	5/11/20	<b>2.052</b>	1625	0.055	-0.051	0.041	0.015	0.020	<b>0.383</b>	<b>78</b>		
21	180.2	7/25/20	<b>1.905</b>	1282	0.031	0.048	0.016	-0.089	0.114	0.165	<b>57</b>		
	179	5/11/20	<b>1.265</b>	401	0.01	-0.056	0.079	0.090	0.040	<b>0.374</b>	<b>71</b>		
	179.2	8/7/20	<b>0.856</b>	191	0.023	0.039	0.016	-0.024	0.150	0.235	<b>75</b>		
22	179.3	9/25/20	<b>0.595</b>	170	0.024	0.042	0.063	0.095	0.150	0.247	<b>76</b>		
	162	6/9/20	<b>3.122</b>	2704	<b>0.48</b>	-0.038	0.320	0.068	0.000	<b>0.481</b>	<b>84</b>		
	162.2	7/28/20	<b>1.979</b>	1466	0.083	0.101	0.047	-0.186	0.117	<b>0.631</b>	<b>71</b>		
24	201	5/12/20	<b>0.544</b>	106	0.054	0.047	0.088	-0.089	0.155	0.085	<b>13</b>		
	201.2	7/29/20	<b>0.643</b>	130	-0.077	0.009	0.048	-0.010	0.014	0.085	<b>35</b>		
	275	7/16/20	<b>3.534</b>	>12800	<b>1.177</b>	0.074	0.046	0.048	<b>0.253</b>	0.314	<b>102</b>		
25	275.2	8/8/20	<b>3.099</b>	11220	<b>1.016</b>	0.048	0.079	0.184	0.266	0.053	<b>97</b>		
	26	7/26/20	<b>1.914</b>	1048	0.071	0.041	0.069	0.048	0.122	0.167	<b>53</b>		
	171.2	8/14/20	<b>2.385</b>	3069	-0.08	0.033	0.099	-0.042	0.146	<b>0.489</b>	<b>78</b>		
27	181	5/11/20	<b>1.715</b>	256	0.096	-0.036	0.055	0.006	0.060	<b>0.656</b>	<b>65</b>		
	181.2	8/25/20	<b>0.37</b>	<100	-0.156	0.093	-0.078	0.025	0.074	0.249	<b>49</b>		
	214	5/28/20	<b>3.483</b>	>12800	<b>2.695</b>	0.112	<b>2.710</b>	-0.006	<b>1.258</b>	<b>1.066</b>	<b>86</b>		
28	214.2	8/27/20	<b>2.117</b>	1888	<b>0.427</b>	0.046	<b>0.772</b>	-0.034	0.185	<b>0.378</b>	<b>82</b>		
	176	5/12/20	<b>2.512</b>	225	0.048	0.041	<b>0.558</b>	0.028	<b>0.617</b>	<b>0.949</b>	<b>93</b>		
	176.2	7/23/20	<b>0.651</b>	159	0.031	0.038	0.037	-0.007	0.124	0.167	<b>65</b>		
30	318	8/19/20	<b>3.205</b>	>12800	<b>1.631</b>	0.050	0.189	-0.078	0.322	<b>1.283</b>	<b>92</b>		
	318.2	9/18/20	<b>2.112</b>	1869	<b>1.197</b>	0.077	0.063	-0.049	0.003	<b>0.439</b>	<b>93</b>		
	322	9/19/20	<b>2.267</b>	2473	<b>0.869</b>	0.619	0.137	-0.074	0.177	0.291	<b>89</b>		
32	393	9/19/20	<b>0.624</b>	125	0.05565	0.002	0.040	-0.077	<b>1.189</b>	0.289	<b>65</b>		
	393.2	9/20/20	<b>0.315</b>	100	0.030	0.035	0.015	0.008	<b>0.379</b>	0.181	<b>64</b>		
	376	7/16/20	<b>0.984</b>	705	0.04343	0.017	0.035	<b>0.356</b>	0.186	0.268	<b>54</b>		
33	276.2	9/23/20	<b>0.076</b>	n/a	0.0569	0.111	0.018	<b>0.398</b>	0.333	0.251	<b>25</b>		
	403	9/10/20	<b>1.658</b>	819	0.292	0.022	0.035	<b>0.734</b>	<b>0.547</b>	<b>1.509</b>	<b>88</b>		
	403.2	9/25/20	<b>1.757</b>	988	0.344	0.146	0.046	-0.059	0.160	0.169	<b>40</b>		
44	284.2	7/21/20	<b>1.069</b>	281	0.235	0.190	0.250	-0.029	0.289	0.266	<b>77</b>		
	261	6/22/20	<b>3.185</b>	>12800	<b>2.652</b>	0.098	<b>2.125</b>	-0.006	0.337	<b>0.877</b>	<b>97</b>		
	261.2	6/29/20	<b>2.528</b>	3981	<b>2.490</b>	0.085	<b>1.791</b>	-0.002	<b>0.378</b>	<b>0.753</b>	<b>96</b>		
45	265	4/22/20	<b>0.209</b>	n/a	0.095	0.030	0.117	0.036	<b>0.428</b>	0.317	<b>42</b>		
	265.2	6/29/20	<b>2.075</b>	1738	<b>1.089</b>	0.058	0.381	-0.025	<b>0.262</b>	<b>0.672</b>	<b>88</b>		
	197	5/10/20	<b>0.5</b>										

Previous Natural Infected Vaccinated Volunteers									
Numeric ID	Timepoint	Date	OD mean	CoVlgG Est titer	sVNT > 30%	IgG1>.242+	IgA>0.374+	IgM>0.350	Vaccine
384.2	Sample Baseline	12/16/20	<b>1.037</b>	265	<b>69</b>	0.162	<b>0.338</b>	0.141	Pfizer
384.3	Sample First Dose	1/13/21	<b>2.806</b>	6586	<b>98</b>	<b>3.476</b>	<b>3.497</b>	0.302	
384.4	23 d post 2nd dose	2/10/21	<b>2.848</b>	7114	<b>98</b>	<b>3.524</b>	<b>3.453</b>	0.148	
384.5	51 d post 2nd dose	3/10/2021 (71 dpv)	<b>2.2202</b>	2273	<b>97</b>	<b>1.650</b>	<b>2.944</b>	0.160	
367.2	Sample Baseline	12/18/20	<b>2.155</b>	2018	<b>83</b>	<b>0.928</b>	0.221	0.273	
367.3	Sample First Dose	1/22/2021 (14 dpv)	<b>3.164</b>	12617	<b>98</b>	<b>3.570</b>	<b>2.282</b>	0.112	Pfizer
367.4	20 d post 2nd dose	2/25/2021 (48dpv)	<b>2.4670</b>	3558	<b>97</b>	<b>3.522</b>	<b>1.623</b>	0.268	
367.5	96 d post 2nd dose	5/12/21 (124 dpv)	<b>2.0004</b>	1525	<b>97</b>	<b>1.698</b>	<b>0.903</b>	0.609	
218	Sample Baseline	11/2/20	<b>1.253</b>	392	<b>72</b>	-0.087	<b>0.484</b>	<b>1.139</b>	
218.3	Sample First Dose	2/4/2021 (28dpv)	<b>2.794</b>	6444	<b>98</b>	<b>3.489</b>	<b>1.110</b>	<b>0.601</b>	
218.4	20 d post 2nd dose	2/25/2021 (49dpv)	<b>2.5759</b>	4336	<b>97</b>	<b>3.536</b>	<b>1.488</b>	<b>0.361</b>	
218.5	96 d post 2nd dose	5/12/21 (124 dpv)	<b>1.9884</b>	1492	<b>97</b>	<b>2.540</b>	<b>0.608</b>	<b>0.419</b>	Pfizer
376.2	Sample Baseline	12/18/20	<b>0.589</b>	118	<b>72</b>	0.002	0.102	0.032	
376.3	Sample First Dose	2/10/2021 (19dpv)	<b>2.693</b>	5366	<b>98</b>	<b>3.513</b>	<b>2.359</b>	0.265	Moderna
376.4	18 d post 2nd dose	3/12/2021 (49dpv)	<b>2.3341</b>	2795	<b>97</b>	<b>3.377</b>	2.223	0.120	
376.5	74 d post 2nd dose	5/7/21 (105 dpv)	<b>2.1959</b>	2174	<b>96</b>	<b>2.366</b>	0.714	0.284	
313.3	Sample Baseline	1/12/21	<b>2.854</b>	7191	<b>97</b>	<b>2.281</b>	0.298	<b>0.635</b>	
313.4	Sample First Dose	2/12/2021 (17dpv)	<b>2.443</b>	3408	<b>99</b>	<b>3.554</b>	<b>0.617</b>	0.122	Pfizer
313.5	16 d post 2nd dose	3/4/2021 (37dpv)	<b>2.7405</b>	5847	<b>97</b>	<b>3.466</b>	<b>0.840</b>	0.090	
313.6	77 d post 2nd dose	5/4/2021 (98 dpv)	<b>2.4636</b>	3536	<b>98</b>	<b>3.485</b>	<b>0.888</b>	0.327	
382.3	Sample Baseline	1/14/21	0.194	n/a	<b>39</b>	-0.025	0.070	<b>0.624</b>	
382.4	Sample First Dose	2/4/21 (12dpv)	<b>2.8173</b>	6722	<b>98</b>	<b>3.524</b>	<b>2.056</b>	<b>0.759</b>	Pfizer
382.5	19 d post 2nd dose	3/4/2021 (40dpv)	<b>2.5915</b>	4461	<b>97</b>	<b>3.037</b>	<b>1.273</b>	<b>0.499</b>	
382.6	83 d post 2nd dose	5/7/21 (104 dpv)	<b>1.7845</b>	1030	<b>96</b>	<b>0.893</b>	<b>0.707</b>	<b>1.611</b>	
511	Sample Baseline	1/27/21	<b>1.6438</b>	798	<b>81</b>	<b>0.490</b>	<b>1.170</b>	<b>0.932</b>	Pfizer
511.2	Sample First Dose	2/17/2021 (19dpv)	<b>2.636</b>	4836	<b>98</b>	<b>3.384</b>	<b>1.678</b>	<b>0.836</b>	
511.3	25 d post 2nd dose	3/17/2021 (47 dpv)	<b>2.6989</b>	5421	<b>97</b>	<b>2.589</b>	<b>1.089</b>	<b>0.558</b>	
511.4	83 d post 2nd dose	5/13/21 (104 dpv)	<b>1.6635</b>	827	<b>96</b>	<b>1.076</b>	<b>1.125</b>	<b>1.347</b>	
512	Sample Baseline	1/27/21	<b>0.5396</b>	107	<b>46</b>	0.004	0.192	<b>0.734</b>	Pfizer
512.2	Sample First Dose	2/17/2021 (19dpv)	<b>2.596</b>	4498	<b>98</b>	<b>2.909</b>	<b>2.599</b>	<b>1.773</b>	
512.3	25 d post 2nd dose	3/17/2021 (47dpv)	<b>2.6937</b>	5370	<b>89</b>	<b>2.815</b>	<b>1.530</b>	<b>0.735</b>	
512.4	83 d post 2nd dose	5/13/21 (104 dpv)	<b>1.8261</b>	1111	<b>96</b>	<b>1.660</b>	<b>0.993</b>	<b>1.795</b>	
294.2	Sample Baseline	12/11/21	<b>1.535</b>	6550	<b>90</b>	<b>0.309</b>	0.249	0.176	Moderna
294.3	Sample First Dose	2/25/2021 (26 dpv)	<b>1.9255</b>	1331	<b>97</b>	<b>3.621</b>	<b>1.080</b>	<b>1.053</b>	
294.4	Sample Second Dose	3/31/2021 (60dpv)	<b>2.3998</b>	3150	<b>98</b>	<b>2.806</b>	0.318	<b>0.546</b>	
297	Sample Baseline	8/7/20	<b>2.932</b>	8279	<b>96</b>	<b>0.937</b>	<b>1.024</b>	0.114	Moderna
297.2	Sample First Dose	2/22/2021 (19dpv)	<b>2.9251</b>	8176	<b>97</b>	<b>3.081</b>	<b>1.139</b>	<b>0.831</b>	
297.3	Sample Second Dose	3/20/2021 (45dpv)	<b>2.5652</b>	4253	<b>97</b>	<b>3.665</b>	<b>0.784</b>	<b>0.585</b>	

#### Cutoff values

CoVigG endpoint limit of detection = 100-12800

CoVigG cutoff >.5 Positive

Cut-off Borderline IgG = 0.312-.49

Cut-off IgG1= 0.242

Cut-off IgG3= 0.48

Cut-off IgG4= 0.251

Cut-off IgA= 0.374

Cut-off IgM= 0.350

Cut-off IgM Borderline= 0.229 - 0.349

Healthy Vaccinated Volunteers												
Numeric ID	Timepoint	Date	OD mean	CoVigG Est titer	sVNT>30%	IgG1>242+	IgA>0.374+	IgM>0.350	Vaccine			
479	Sample Baseline	12/28/20	0.049	n/a	10	-0.098	-0.119	0.282	Moderna			
479.2	Sample First Dose	1/19/2021 (26dpv)	<b>2.1150</b>	1878	46	<b>0.917</b>	0.317	<b>0.389</b>				
479.3	16 d post 2nd dose	2/5/2021 (41dpv)	<b>3.0060</b>	9470	97	<b>3.477</b>	<b>1.399</b>	0.337				
479.4	49 d post 2nd dose	3/10/2021 (75 dpv)	<b>2.0446</b>	1653	97	<b>2.076</b>	<b>0.618</b>	<b>0.759</b>				
479.5	110 d post 2nd dose	5/10/21 (137 dpv)	<b>1.9715</b>	1447	93	<b>0.790</b>	<b>0.614</b>	<b>1.142</b>				
112	Sample Baseline	4/28/20	0.063	n/a	19	-0.114	0.022	0.292	Moderna			
112.2	Sample First Dose	1/20/2021 (24 dpv)	<b>2.9999</b>	9265	96	<b>3.468</b>	<b>0.820</b>	<b>0.763</b>				
112.3	14 d post 2nd dose	2/10/2021 (42 dpv)	<b>2.721</b>	5640	98	<b>3.626</b>	<b>1.102</b>	<b>0.633</b>				
112.4	45 d post 2nd dose	3/10/2021 (69dpv)	<b>2.3291</b>	2770	97	<b>3.492</b>		<b>0.375</b>				
2	Sample Baseline	12/21/20	0.009	n/a	10	-0.168	0.160	0.137	Pfizer			
2.2	Sample First Dose	1/12/2021 (13 dpv)	<b>1.328</b>	449	46	<b>0.173</b>	<b>0.936</b>	<b>0.342</b>				
2.3	15 d post 2nd dose	2/4/2021 (36 dpv)	<b>2.6808</b>	5246	98	<b>3.149</b>	<b>1.280</b>	<b>1.541</b>				
2.4	34 d post 2nd dose	2/24/2021 (56 dpv)	<b>2.5260</b>	3961	97	<b>3.080</b>	<b>0.568</b>	<b>0.590</b>				
2.5	92 d post 2nd dose	4/22/2021 (113 dpv)	<b>2.3787</b>	3031	96	<b>1.070</b>	<b>0.432</b>	0.263				
3	Sample Baseline	12/21/20	0.007	n/a	19	0.064	0.098	0.315	Pfizer			
3.2	Sample First Dose	1/12/2021 (13 dpv)	<b>2.024</b>	1592	49	<b>1.372</b>	<b>1.221</b>	<b>0.403</b>				
3.3	15 d post 2nd dose	2/4/2021 (36 dpv)	<b>2.6703</b>	5147	98	<b>3.233</b>	<b>1.726</b>	<b>0.675</b>				
3.4	34 d post 2nd dose	2/24/2021 (56 dpv)	<b>2.2177</b>	2283	97	<b>3.046</b>	<b>1.167</b>	0.344				
3.5	92 d post 2nd dose	4/22/2021 (113 dpv)	<b>2.0937</b>	1807	97	<b>1.043</b>	<b>1.412</b>	<b>0.517</b>				
243	Sample Baseline	7/14/20	0.110	n/a	22	-0.072	-0.021	0.201	Pfizer			
243.2	Sample First Dose	1/14/2021 (15dpv)	<b>2.144</b>	1981	76	<b>1.265</b>	<b>0.942</b>	<b>0.327</b>				
243.3	15 d post 2nd dose	2/4/2021 (57 dpv)	<b>2.7023</b>	5456	97	<b>3.074</b>	<b>1.866</b>	<b>0.611</b>				
243.4	35 d post 2nd dose	2/24/2021 (57 dpv)	<b>2.4217</b>	3278	97	<b>3.009</b>	<b>0.726</b>	<b>0.415</b>				
258	Sample Baseline	1/4/21	-0.004	n/a	20	-0.376	0.039	0.062	Pfizer			
258.2	Sample First Dose	1/22/2021 (18 dpv)	<b>2.0730</b>	1740	50	<b>0.539</b>	0.125	0.346				
258.3	22 d post 2nd dose	2/16/21 (43 dpv)	<b>2.868</b>	7375	97	<b>3.409</b>	<b>0.510</b>	<b>0.539</b>				
258.4	49 d post 2nd dose	3/15/2021 (70 dpv)	<b>2.2390</b>	2352	96	<b>1.702</b>		<b>0.501</b>				
258.5	113 d post 2nd dose	5/18/21 (134 dpv)	<b>1.7816</b>	1025								
119	Sample Baseline	1/4/21	0.023	n/a	21	-0.312	0.034	0.240	Pfizer			
119.2	Sample First Dose	1/22/2021 (18 dpv)	<b>0.8700</b>	196	29	<b>0.254</b>	0.052	0.330				
119.3	18 d post 2nd dose	2/12/2021 (39 dpv)	<b>2.7140</b>	5573	97	<b>3.546</b>	<b>0.535</b>	<b>0.447</b>				
119.4	49 d post 2nd dose	3/15/2021 (70 dpv)	<b>2.0232</b>	1589	93	<b>1.242</b>						
119.5	115 s post 2nd dose	5/20/21	<b>1.7546</b>	976								
190	Sample Baseline	5/19/20	0.135	n/a	23	-0.124	-0.116	0.105	Pfizer			
190.2	Sample First Dose	1/21/2021 (12 dpv)	<b>0.6252</b>	126	28	-0.012	0.138	0.182				
190.3	23 d post 2nd dose	2/22/2021 (45 dpv)	<b>2.5927</b>	4471	97	<b>3.112</b>	<b>0.316</b>	<b>0.322</b>				
190.4	82 d post 2nd dose	4/22/2021 (103 dpv)	<b>1.7273</b>	929	95							
453	Sample Baseline	1/11/21	-0.003	n/a	12	-0.095	-0.112	0.053	Pfizer			
453.2	Sample First Dose	2/3/2021 (23 dpv)	<b>1.808</b>	1076	76	<b>0.649</b>	0.139	<b>0.525</b>				
453.3	19 d post 2nd dose	2/22/2021 (43 dpv)	<b>2.672</b>	5163	97	<b>3.028</b>	0.251	<b>0.496</b>				
453.4	77 d post 2nd dose	4/21/2021 (100 dpv)	<b>1.276</b>	409	86							
6	Sample Baseline	1/13/21	-0.001	n/a	15	-0.110	0.139	0.133	Pfizer			
6.2	Sample First Dose	1/28/2021 (16 dpv)	<b>1.308</b>	455	65	<b>0.276</b>	0.156	0.317				
6.3	14 d post 2nd dose	2/16/21 (34 dpv)	<b>2.758</b>	6039	98	<b>3.424</b>	<b>0.942</b>	<b>0.540</b>				
6.4	21 d post 2nd dose	2/23/2021 (42dpv)	<b>2.538</b>	4051	96	<b>3.090</b>	<b>0.649</b>	<b>0.384</b>				
6.5	61 d post 2nd dose	4/21/2021 (99 dpv)	<b>1.838</b>	1137	90	<b>0.389</b>	<b>0.459</b>	0.105	Pfizer			
383	Sample Baseline	1/13/21	-0.010	n/a	4	-0.124	-0.024	0.235				
383.2	Sample First Dose	2/5/2021 (23 dpv)	<b>2.412</b>	3217	71	<b>2.031</b>	<b>0.284</b>	<b>1.022</b>				
383.3	17 d post 2nd dose	2/22/2021 (40 dpv)	<b>2.433</b>	3346	98	<b>3.082</b>	<b>0.433</b>	<b>0.787</b>				
383.4	75 d post 2nd dose	4/21/2021 (98 dpv)	<b>1.751</b>	970	95							
450	Sample Baseline	1/13/21	-0.005	n/a	4	-0.071	-0.079	0.067	Pfizer			
450.2	Sample First Dose	2/3/2021 (21 dpv)	<b>1.791</b>	1043	70	<b>0.651</b>	<b>0.282</b>	<b>0.695</b>				
450.3	19 d post 2nd dose	2/22/2021 (40 dpv)	<b>2.600</b>	4531	95	<b>2.960</b>	<b>0.592</b>	<b>1.101</b>				
450.4	35 d post 2nd dose	3/10/2021 (56dpv)	<b>2.1228</b>	1905	89	<b>1.226</b>		<b>0.613</b>				
450.5	96 d post 2nd dose	5/10/21 (117 dpv)	<b>1.4567</b>	568	46	<b>0.330</b>	<b>0.504</b>	<b>0.596</b>				
110	Sample Baseline	1/13/21	0.000	n/a	18	-0.137	0.085	0.030	Pfizer			
110.2	Sample First Dose	2/3/2021 (23 dpv)	<b>1.564</b>	691	44	<b>0.278</b>	<b>0.383</b>	<b>0.275</b>				
110.3	19 d post 2nd dose	2/22/2021 (40 dpv)	<b>2.519</b>	3909	97	<b>3.298</b>	<b>0.725</b>	<b>0.608</b>				
110.4	35 d post 2nd dose	3/10/2021 (56dpv)	<b>2.1813</b>	2118	95	<b>1.304</b>		<b>0.358</b>				
110.5	96 d post 2nd dose	5/10/21 (117 dpv)	<b>1.9259</b>	1332	70	<b>0.478</b>	<b>0.557</b>	<b>0.322</b>				
480	Sample Baseline	1/13/21	-0.004	n/a	29	-0.002	-0.110	0.113	Pfizer			
480.2	Sample First Dose	2/3/2021 (21 dpv)	<b>1.826</b>	1111	60	<b>0.827</b>	0.313	<b>0.460</b>				
480.3	19 d post 2nd dose	2/22/2021 (40 dpv)	<b>2.618</b>	4685	97	<b>3.500</b>	<b>0.765</b>	<b>0.561</b>				
480.4	35 d post 2nd dose	3/10/2021 (56dpv)	<b>2.2003</b>	2193	96	<b>2.634</b>		<b>0.437</b>				
480.5	96 d post 2nd dose	5/10/21 (117 dpv)	<b>2.0802</b>	1763	93	<b>1.2325</b>	<b>0.417</b>	<b>0.490</b>				
10	Sample Baseline	1/19/21	0.0094	n/a	24	-0.059	0.100	<b>0.389</b>	Pfizer			
10.2	Sample First Dose	2/4/21 (14 dpv)	<b>1.5188</b>	636	61	<b>0.624</b>	<b>1.509</b>	<b>0.868</b>				
10.3	74 post 2nd dose	2/18/21 (28 dpv)	<b>2.7957</b>	6464	97	<b>3.562</b>	<b>2.780</b>	<b>0.779</b>				
10.4	21 d post 2nd dose	3/4/2021 (42dpv)	<b>2.5257</b>	3959	96	<b>1.817</b>	<b>0.779</b>	<b>0.452</b>				
10.5	60 d post 2nd dose	4/12/2021 (81dpv)	<b>1.8359</b>	1131	92	<b>0.307</b>	<b>0.547</b>	<b>0.451</b>				
116	Sample Baseline	12/21/20	0.057	n/a	0	-0.011	0.033	0.133	Pfizer			
116.2	Sample First Dose	2/4/21 (14 dpv)	<b>1.727</b>	928	66	<b>0.607</b>	0.273	<b>0.633</b>				
116.3	74 post 2nd dose	2/18/21 (28 dpv)	<b>3.049</b>	10239	97	<b>3.494</b>	<b>0.583</b>	<b>1.984</b>				
116.4	21 d post 2nd dose	3/4/2021 (42dpv)	<b>2.6355</b>	4832	97	<b>3.255</b>	0.190	<b>1.065</b>				
116.5	60 d post 2nd dose	4/12/2021 (101dpv)	<b>2.3693</b>	2980	97	<b>1.784</b>	0.250	<b>0.334</b>				
380	Sample Baseline	1/21/20	0.049	n/a	25	-0.098	-0.040	0.229	Pfizer			
380.2	Sample First Dose	2/4/21 (14 dpv)	<b>1.1782</b>	343	61	<b>0.240</b>	<b>0.330</b>	<b>0.601</b>				
380.3	74 post 2nd dose	2/18/21 (28 dpv)	<b>2.787</b>	6362	97	<b>3.559</b>	<b>1.699</b>	<b>0.835</b>				
380.4	21 d post 2nd dose	3/4/2021 (42dpv)	<b>2.4966</b>	3755	96	<b>2.811</b>	<b>0.655</b>	<b>0.428</b>				
380.5	60 d post 2nd dose	4/12/2021 (83 dpv)	<b>1.8998</b>	2482	97	<b>1.328</b>	<b>0.825</b>	<b>0.235</b>				
117	Sample Baseline	8/10/20	0.088	n/a	22	-0.020	0.096	0.237	Pfizer			
117.2	Sample First Dose	2/4/21 (12 dpv)	<b>0.949</b>	226	55	<b>0.236</b>	<b>0.520</b>	<b>0.348</b>				
117.3	6 d post 2nd dose	2/19/21 (27 dpv)	<b>2.518</b>	3848	97	<b>3.631</b>	<b>1.755</b>	<b>1.120</b>				
117.4	19 d post 2nd dose	3/4/2021 (40dpv)	<b>2.6655</b>	5102	97	<b>3.409</b>	<b>0.811</b>	<b>0.559</b>				
117.5	58 d post 2nd dose	4/12/2021 (79 dpv)	<b>2.3352</b>	2801	97	<b>1.027</b>	<b>0.</b>					