

16.2.6 Individual Efficacy Response Data

Listing 5: [Listing of Individual Immunogenicity Assay Results](#)

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Listing of Individual Immunogenicity Assay Results

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00090	250 µg (18-55 years)	01	36.57	0	1114.0611	50	10	10	10	10
COV.00090	250 µg (18-55 years)	05	27989	46396	252366.02	252985.25	50	10	-	-
COV.00090	250 µg (18-55 years)	06	30010	52965	332997.16	231974.22	30	10	135.0798	32.449354
COV.00090	250 µg (18-55 years)	09	183689	251182	1100501.9	759821.99	488	242	-	-
COV.00090	250 µg (18-55 years)	10	164549	212319	791971.13	812695.38	497	236	3555.6002	861.13378
COV.00090	250 µg (18-55 years)	11	215830	279880	955423.1	1252709.9	424.21103	234.9468	-	-
COV.00090	250 µg (18-55 years)	12	53654	106935	201327.39	894816.95	481.49351	147.68886	905.53211	332.55539
COV.00090	250 µg (18-55 years)	13	16867	36759	68964.947	125394.92	259.83264	77.226938	314.52661	130.44752
COV.00044	100 µg (18-55 years)	01	0.6338	0	256.9384	50	10	10	10	10
COV.00044	100 µg (18-55 years)	05	2564	9657	18785.91	51469.029	10	10	-	-
COV.00044	100 µg (18-55 years)	06	8077	12794	44811.027	62063.07	10	10	77.266667	18.942213
COV.00044	100 µg (18-55 years)	09	113450	234983	509715.8	669771.35	338	153	-	-
COV.00044	100 µg (18-55 years)	10	159366	253646	569487.94	902399.19	399	222	1523.1825	605.68443
COV.00044	100 µg (18-55 years)	11	181536	213225	565343.57	864324.7	573.23119	239.32405	-	-
COV.00044	100 µg (18-55 years)	12	71228	102900	276372.9	531355.05	295.16097	119.66202	1064.6984	365.40358
COV.00044	100 µg (18-55 years)	13	19167	21613	88390.597	59405.92	89.498603	53.244718	312.48576	116.53108
COV.00043	100 µg (18-55 years)	01	0	0	50	50	10	10	10	10
COV.00043	100 µg (18-55 years)	05	5502	24942	34026.683	66033.355	10	10	-	-
COV.00043	100 µg (18-55 years)	06	10804	25218	68966.8	154725.28	15	10	64.51	24.940778
COV.00043	100 µg (18-55 years)	09	215940	378035	827123.26	820343.84	461	210	-	-
COV.00043	100 µg (18-55 years)	10	166386	296643	838686.53	893317	346	239	2391.26	713.25435
COV.00043	100 µg (18-55 years)	11	195890	227513	737823.56	839467.3	295.08473	189.34888	-	-
COV.00043	100 µg (18-55 years)	12	64190	111631	291215.77	574420.93	132.96616	111.40916	1210.0472	431.94647

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COV.00043	100 µg (18-55 years)	13	21345	31277	113554.34	89946.114	62.33779	35.777088	796.63455	333.25802
COV.00051	100 µg (18-55 years)	01	0	102	50	2007.6467	10	10	10	10
COV.00051	100 µg (18-55 years)	05	415.5	6643	5234.41	31188.554	10	10	-	-
COV.00051	100 µg (18-55 years)	06	3898	9580	29249.391	45836.836	10	10	10	10
COV.00051	100 µg (18-55 years)	09	63569	121928	349000.11	453032.43	150	79	-	-
COV.00051	100 µg (18-55 years)	10	264939	382727	700576	816134.49	788	285	2976.9725	891.0673
COV.00051	100 µg (18-55 years)	11	214068	250000	682365.06	1074363.8	344.15113	222.80036	-	-
COV.00051	100 µg (18-55 years)	12	64694	99139	308332.26	414595.08	345.22456	86.982757	820.0115	246.83804
COV.00051	100 µg (18-55 years)	13	14846	24164	94387.147	77994.951	57.922362	26.495283	392.86487	119.63511
COV.00049	100 µg (18-55 years)	01	0	0	50	50	10	10	10	10
COV.00049	100 µg (18-55 years)	05	6530	19491	34300.511	61526.769	23	10	-	-
COV.00049	100 µg (18-55 years)	06	19858	24448	243113.03	154990.17	10	10	62.305	21.325348
COV.00049	100 µg (18-55 years)	09	71809	154583	357628.36	571976.43	184	97	-	-
COV.00049	100 µg (18-55 years)	10	126059	212242	632744.95	789540.46	252	177	1497.705	553.1162
COV.00049	100 µg (18-55 years)	11	130772	160125	440498.88	656660.12	388.22674	217.9633	-	-
COV.00049	100 µg (18-55 years)	12	69272	93939	379141.43	362366.26	781.07618	125.35549	1126.8876	294.77483
COV.00049	100 µg (18-55 years)	13	19755	30383	47291.7	89439.104	249.84795	66.730802	684.27467	190.54028
COV.00046	100 µg (18-55 years)	01	0	0	161.9227	50	10	10	10	10
COV.00046	100 µg (18-55 years)	05	2846	15712	22307.022	85624.727	10	10	-	-
COV.00046	100 µg (18-55 years)	06	8613	19714	54777.547	99504.394	10	10	42.43	19.901668
COV.00046	100 µg (18-55 years)	09	47547	85043	248998.22	385497.04	47	29	-	-
COV.00046	100 µg (18-55 years)	10	63426	112982	373783.19	520579.02	192	53	511.4875	226.81328
COV.00046	100 µg (18-55 years)	11	71256	93924	366966.67	370396.32	63.718129	38.157568	-	-
COV.00046	100 µg (18-55 years)	12	20629	44048	99630.067	225001.52	42.602817	24.919872	284.94816	85.355762
COV.00046	100 µg (18-55 years)	13	5788	10317	36461.359	33836.706	15.811388	10	128.50249	44.187161

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COV.00050	100 µg (18-55 years)	01	0	0	50	50	10	10	10	10
COV.00050	100 µg (18-55 years)	05	1641	4728	14397.775	28081.638	19	10	-	-
COV.00050	100 µg (18-55 years)	06	5352	6641	79765.824	41399.64	10	10	31.1025	10
COV.00050	100 µg (18-55 years)	09	80799	163066	370149.44	581673.01	317	158	-	-
COV.00050	100 µg (18-55 years)	10	127026	183953	645015.69	704372.95	411	143	1281.555	474.56555
COV.00050	100 µg (18-55 years)	11	119176	140189	462197.03	664160.56	604.78839	184.30952	-	-
COV.00050	100 µg (18-55 years)	12	41188	68393	174295.83	339211.13	327.16968	105.85367	537.0947	179.0195
COV.00050	100 µg (18-55 years)	13	11416	36679	48262.345	166841.86	228.21043	61.789967	394.17243	215.94916
COV.00092	250 µg (18-55 years)	01	28.96	1.61	1185.4538	291.8584	10	10	10	10
COV.00092	250 µg (18-55 years)	05	67697	101432	449715.25	393815.72	78	34	-	-
COV.00092	250 µg (18-55 years)	06	37717	87561	365217.38	535769.47	40	15	195.33729	44.465915
COV.00092	250 µg (18-55 years)	09	204591	320656	754210.45	2457600	545	162	-	-
COV.00092	250 µg (18-55 years)	10	214001	267909	822719.57	1123627.4	469	207	1631.8313	649.04532
COV.00092	250 µg (18-55 years)	11	131522	255753	712593.9	2457600	282.30303	117.79219	-	-
COV.00092	250 µg (18-55 years)	12	76361	141651	432111.47	1121241.3	430.59958	87.749644	845.81373	264.07136
COV.00092	250 µg (18-55 years)	13	27614	56500	101862.24	170351.34	147.25488	66.932802	810.55913	166.89768
COV.00091	250 µg (18-55 years)	01	4.969	0	336.6943	50	10	10	10	10
COV.00091	250 µg (18-55 years)	05	4375	6507	29665.918	39845.874	10	10	-	-
COV.00091	250 µg (18-55 years)	06	22730	43705	151332.69	205501.5	10	10	77.596407	15.910989
COV.00091	250 µg (18-55 years)	09	249361	362963	1053133.6	1185082	407	179	-	-
COV.00091	250 µg (18-55 years)	10	257731	392752	1004634	1030735.5	309	207	1851.1243	506.11152
COV.00091	250 µg (18-55 years)	11	280100	330738	1040959.2	2457600	219.8454	140.14992	-	-
COV.00091	250 µg (18-55 years)	12	72964	165112	409144.36	1109353.2	184.28239	161.90738	638.88046	248.56777
COV.00091	250 µg (18-55 years)	13	18766	34048	71618.754	100139.46	69.238717	28.930952	466.40382	141.26682
COV.00121	100 µg (56-70 years)	01	0	16.51	84.756	1246.1082	10	10	10	10

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COV.00121	100 µg (56-70 years)	05	1135	3743	6906.9079	24912.707	16.124515	10	-	-
COV.00121	100 µg (56-70 years)	06	9808	16684	50809.954	90609.481	10	10	82.19993	10
COV.00121	100 µg (56-70 years)	09	214646	205305	980718.71	1455687.4	309.33962	110.7023	-	-
COV.00121	100 µg (56-70 years)	10	136566	168709	473352.72	1109201.7	203.34261	123.14179	1159.196	297.7014
COV.00121	100 µg (56-70 years)	11	74709	73889	550933.93	248849.1	231.99138	91.433036	-	-
COV.00121	100 µg (56-70 years)	12	28765	37841	100053.23	231023.41	92.487837	44.542115	334.75488	104.88232
COV.00121	100 µg (56-70 years)	13	5741	15576	50069.364	62515.577	53.497664	10	54.130722	26.001798
COV.00119	100 µg (56-70 years)	01	7.856	0	366.3168	50	10	10	10	10
COV.00119	100 µg (56-70 years)	05	4264	16968	18469.961	73653.493	10	10	-	-
COV.00119	100 µg (56-70 years)	06	32182	51876	149914.91	291105.22	15.811388	10	176.62478	38.12026
COV.00119	100 µg (56-70 years)	09	485943	7991431	1271106.2	36020488	604.9595	349.37086	-	-
COV.00119	100 µg (56-70 years)	10	327009	4938736	1043669.4	17859587	513.60163	314.38712	2669.217	953.73388
COV.00119	100 µg (56-70 years)	11	169718	285197	931274.35	1166819.3	746.94578	224.71983	-	-
COV.00119	100 µg (56-70 years)	12	79776	136074	291499.27	736199.03	415.67776	96.093704	1466.0811	490.83874
COV.00119	100 µg (56-70 years)	13	17575	45476	96984.085	307915.87	167.22739	83.78544	529.24676	215.51219
COV.00111	25 µg (56-70 years)	01	0	15.34	50	583.2607	10	10	10	10
COV.00111	25 µg (56-70 years)	05	2151	10246	23850.577	59228.069	10	10	-	-
COV.00111	25 µg (56-70 years)	06	9194	17756	53396.339	73325.37	10	10	81.783598	10
COV.00111	25 µg (56-70 years)	09	165295	176358	850054.8	807977.34	260.80452	187.40064	-	-
COV.00111	25 µg (56-70 years)	10	112800	138349	398589.77	1330084.4	127	104	1446.4255	201.27615
COV.00111	25 µg (56-70 years)	11	47922	96218	124484.72	470098.46	166.04819	107.74971	-	-
COV.00111	25 µg (56-70 years)	12	23440	37550	79664.022	159067.46	65.238026	41.713307	472.71057	153.59215
COV.00111	25 µg (56-70 years)	13	4356	8676	38000.596	44135.409	15.165751	10	116.10466	53.877207
COV.00110	25 µg (56-70 years)	01	0	0	50	50	10	10	10	10
COV.00110	25 µg (56-70 years)	05	0	29.21	50	879.1567	10	10	-	-

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COV.00110	25 µg (56-70 years)	06	118.8	198.6	1962.9614	2707.3751	10	10	10	10
COV.00110	25 µg (56-70 years)	09	28786	34632	192627.65	209265.02	47.89572	25.690465	-	-
COV.00110	25 µg (56-70 years)	10	42329	64756	165732.99	307399.43	111.01802	42.047592	375.1102	125.98398
COV.00110	25 µg (56-70 years)	11	29318	75198	57310.589	604213.37	67.882251	27.92848	-	-
COV.00110	25 µg (56-70 years)	12	14990	31534	71294.916	181900.19	36.027767	25.690465	206.35005	67.98431
COV.00110	25 µg (56-70 years)	13	4359	8743	44175.1	35795.659	15.491933	10	108.02796	23.272222
COV.00114	25 µg (56-70 years)	01	2.382	5.916	270.0565	305.2022	10	10	10	10
COV.00114	25 µg (56-70 years)	05	7.107	336.9	424.9716	3734.0413	10	10	-	-
COV.00114	25 µg (56-70 years)	06	13.33	528	693.6382	4547.6662	10	10	10	10
COV.00114	25 µg (56-70 years)	09	7642	21035	68411.1	154127.05	81.215762	20	-	-
COV.00114	25 µg (56-70 years)	10	55335	145360	212017.73	760627.36	141	65	653.97958	167.28163
COV.00114	25 µg (56-70 years)	11	26277	59452	64601.269	323274.37	99.879928	32.496154	-	-
COV.00114	25 µg (56-70 years)	12	7116	19551	31746.261	97697.972	31.749016	10	165.68671	52.024867
COV.00114	25 µg (56-70 years)	13	2694	10915	28245.423	106650.55	10	10	55.638893	25.301879
COV.00116	25 µg (56-70 years)	01	2.303	1.3	341.7428	179.9515	10	10	10	10
COV.00116	25 µg (56-70 years)	05	2098	4054	18364.296	23270.701	10	10	-	-
COV.00116	25 µg (56-70 years)	06	2184	4942	12534.121	38461.645	10	10	18.81457	10
COV.00116	25 µg (56-70 years)	09	59218	77492	292431.06	560635.31	83.994047	50.199602	-	-
COV.00116	25 µg (56-70 years)	10	55228	74447	159117.18	577305.07	93	60	650.92045	191.5761
COV.00116	25 µg (56-70 years)	11	24456	53201	79056.465	285287.04	73.484692	41.364236	-	-
COV.00116	25 µg (56-70 years)	12	12478	18336	67401.942	115304.42	31.843367	23.366643	187.27374	76.497561
COV.00116	25 µg (56-70 years)	13	3033	5272	33372.997	31918.942	14.142136	10	43.76356	19.677912
COV.00123	100 µg (56-70 years)	01	0	306.4	50	2897.0155	10	10	10	10
COV.00123	100 µg (56-70 years)	05	5640	16577	21598.84	111095.06	10	10	-	-
COV.00123	100 µg (56-70 years)	06	7491	16006	40715.848	70456.997	10	10	60.695768	10

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COV.00123	100 µg (56-70 years)	09	209471	3879530	809358.63	18809329	319.35873	168.62681	-	-
COV.00123	100 µg (56-70 years)	10	160320	253201	510948.44	1297905.1	540.12145	216.77014	1622.6325	598.89888
COV.00123	100 µg (56-70 years)	11	109137	122775	1390063.2	570808.98	464.41684	137.0985	-	-
COV.00123	100 µg (56-70 years)	12	62198	83722	250150.08	628880.84	223.57773	104.92378	935.33155	284.83434
COV.00123	100 µg (56-70 years)	13	17256	25337	133628.61	141190.27	137.17143	57.323643	206.30947	72.970644
COV.00125	100 µg (56-70 years)	01	0	136.3	50	4598.5036	10	10	10	10
COV.00125	100 µg (56-70 years)	05	7337	15261	44381.657	68181.731	16.733201	10	-	-
COV.00125	100 µg (56-70 years)	06	15708	27490	56201.605	273605.35	14.832397	10	42.715043	12.534073
COV.00125	100 µg (56-70 years)	09	102407	130747	518223.78	679168.5	146.04451	56.480085	-	-
COV.00125	100 µg (56-70 years)	10	117839	165149	357198.42	707643.15	310.94789	199.78043	1404.6998	519.70013
COV.00125	100 µg (56-70 years)	11	70319	99780	463486.8	327842.57	294.82198	81.030858	-	-
COV.00125	100 µg (56-70 years)	12	30525	60600	106228.88	409337.01	194.38364	64.498062	823.13511	297.60895
COV.00125	100 µg (56-70 years)	13	11404	14636	47435.847	91242.996	48	32.863353	150.26192	59.297546
COV.00127	100 µg (56-70 years)	01	0.99	2.517	150.6884	568.7486	10	10	10	10
COV.00127	100 µg (56-70 years)	05	2122	6675	18167.715	48283.178	10	10	-	-
COV.00127	100 µg (56-70 years)	06	5166	15214	34263.163	56252.095	10	10	101.68921	12.577928
COV.00127	100 µg (56-70 years)	09	194794	3392272	796014.91	13699503	394.96835	246.49949	-	-
COV.00127	100 µg (56-70 years)	10	142357	192468	702705.44	1519944.1	461.69351	210.48776	1084.708	545.03618
COV.00127	100 µg (56-70 years)	11	89644	118461	694958.2	442624.72	943.79553	142.98601	-	-
COV.00127	100 µg (56-70 years)	12	17846	39732	71412.911	242217.03	361.20354	79.81228	464.59384	143.32058
COV.00127	100 µg (56-70 years)	13	2361	6213	24131.45	40394.745	79.372539	40.249224	87.865083	19.3875
COV.00115	25 µg (56-70 years)	01	1.511	0	258.001	50	10	10	10	10
COV.00115	25 µg (56-70 years)	05	4810	37893	31747.843	225462.66	10	10	-	-
COV.00115	25 µg (56-70 years)	06	3274	24174	15897.432	202301.1	10	10	23.43194	10
COV.00115	25 µg (56-70 years)	09	118803	139960	577801.3	875501.32	170.85667	95	-	-

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00115	25 µg (56-70 years)	10	124771	124782	595626.08	760642.99	160	95	774.30735	285.81583
COV.00115	25 µg (56-70 years)	11	47298	98063	164030.83	568065.82	80.944425	59.497899	-	-
COV.00115	25 µg (56-70 years)	12	16412	19686	88697.668	114683.56	23.452079	10	217.73643	59.063181
COV.00115	25 µg (56-70 years)	13	2677	2856	20214.854	17476.033	10	10	35.566428	10
COV.00138	100 µg (56-70 years)	01	0	30.64	50	865.9036	10	10	10	10
COV.00138	100 µg (56-70 years)	05	3180	17877	21467.992	63201.697	10	10	-	-
COV.00138	100 µg (56-70 years)	06	5484	17976	20710.222	162013.46	10	10	79.057978	10
COV.00215	50 µg (18-55 years)	01	4.509	0	341.3309	50	10	10	10	10
COV.00215	50 µg (18-55 years)	05	1110	2022	10508.796	14029.934	10	10	-	-
COV.00215	50 µg (18-55 years)	06	2946	5052	15132.303	54084.324	10	10	29.397049	10
COV.00215	50 µg (18-55 years)	09	35561	54485	356704.55	754830.46	55.497748	35.355339	-	-
COV.00215	50 µg (18-55 years)	10	72509	78666	527699.03	519396.55	126.47529	84.498521	751.60173	225.65008
COV.00215	50 µg (18-55 years)	11	54164	64114	299164.22	348745.15	109.72693	73.756356	-	-
COV.00215	50 µg (18-55 years)	12	15584	16221	76610.729	87402.459	47.47631	14.142136	154.73499	51.926387
COV.00215	50 µg (18-55 years)	13	7371	17328	24017.093	137491.86	14.491377	10	28.063809	10
COV.00220	50 µg (18-55 years)	01	12.72	0	457.3132	50	10	10	10	10
COV.00220	50 µg (18-55 years)	05	9224	21419	81773.384	84907.31	39.887341	10	-	-
COV.00220	50 µg (18-55 years)	06	83396	109217	333532.63	554350.66	134.28328	39.344631	326.27923	89.499184
COV.00220	50 µg (18-55 years)	09	410376	489921	2457600	2457600	722.67628	388.67081	-	-
COV.00220	50 µg (18-55 years)	10	366719	373827	1067352.4	1228577.1	1040.6613	492.12803	4116.7738	859.54444
COV.00220	50 µg (18-55 years)	11	210413	257698	923161.94	1103550.2	405.49969	183.39575	-	-
COV.00220	50 µg (18-55 years)	12	78113	85858	374023.06	448726.68	196.90353	64.420494	676.5644	202.18217
COV.00220	50 µg (18-55 years)	13	22313	49568	52473.763	164445.05	105.69768	36.945906	133.35874	66.486488
COV.00234	50 µg (18-55 years)	01	7.482	0	577.4	50	10	10	10	10
COV.00234	50 µg (18-55 years)	05	1759	3635	18528.814	20556.282	10	10	-	-

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COV.00234	50 µg (18-55 years)	06	2025	4150	13883.495	44522.802	10	10	10	10
COV.00234	50 µg (18-55 years)	09	32956	62199	293629.29	1355827.1	56.284989	25.826343	-	-
COV.00234	50 µg (18-55 years)	10	24834	38086	203453.67	269637.36	39.68627	16.431677	263.73012	57.215406
COV.00234	50 µg (18-55 years)	11	12758	25820	62651.442	132246.94	35.099858	10	-	-
COV.00234	50 µg (18-55 years)	12	3163	10363	19616.724	43351.992	10	10	60.016054	10
COV.00234	50 µg (18-55 years)	13	802.6	11640	3230.4434	35547.91	10	10	10	10
COV.00235	50 µg (18-55 years)	01	27.36	0	815.919	50	10	10	10	10
COV.00235	50 µg (18-55 years)	05	3123	10414	23242.443	21852.278	10	10	-	-
COV.00235	50 µg (18-55 years)	06	7091	12638	37484.104	110881.15	10	10	40.584618	10
COV.00235	50 µg (18-55 years)	09	161004	188865	1445841.8	1335323.5	402.69343	223.82136	-	-
COV.00235	50 µg (18-55 years)	10	131177	124960	1188219	735776.34	345.45622	146.94557	904.07832	306.89934
COV.00235	50 µg (18-55 years)	11	80145	98441	401924.5	518960.33	306.17642	114.49891	-	-
COV.00235	50 µg (18-55 years)	12	29527	35295	121330.96	147987.99	101.90191	47.728398	374.13503	127.62607
COV.00235	50 µg (18-55 years)	13	8236	19383	26277.219	64328.708	55.928526	26.981475	100.25315	31.131466
COV.00047	100 µg (18-55 years)	01	7.753	2.917	862.7735	362.39	10	10	10	10
COV.00047	100 µg (18-55 years)	05	13895	66101	70373.188	282850	46	10	-	-
COV.00047	100 µg (18-55 years)	06	29843	56318	277110.61	284800.07	38	10	80.29	28.40724
COV.00047	100 µg (18-55 years)	09	253629	309746	877037.17	1022066	340.62443	194.73572	-	-
COV.00047	100 µg (18-55 years)	10	204856	268208	640320.94	1022528	544.91506	223.33639	1179.1425	491.18983
COV.00047	100 µg (18-55 years)	11	93178	139301	396964.87	852290.9	322.52907	145.18953	-	-
COV.00047	100 µg (18-55 years)	12	80716	118666	393785.5	502554.49	163.66429	88.436418	758.86927	249.77391
COV.00047	100 µg (18-55 years)	13	29574	27551	508051.83	87807.656	90.205321	30	487.81765	157.99501
COV.00048	100 µg (18-55 years)	01	4.627	1.478	320.2812	209.8462	10	10	10	10
COV.00048	100 µg (18-55 years)	05	33989	74299	181798.84	329414.07	50	24	-	-
COV.00048	100 µg (18-55 years)	06	37801	58731	334290.64	299466.53	43	10	191.2575	59.961078

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00048	100 µg (18-55 years)	09	153765	256643	544126.13	2457600	227.05066	134.16408	-	-
COV.00048	100 µg (18-55 years)	12	73871	153486	388958.43	770989.22	293.11772	185.07026	1809.0856	540.83103
COV.00048	100 µg (18-55 years)	13	13155	37431	65044.627	116138.91	96.932967	32.186954	639.44051	199.40763
COV.00045	100 µg (18-55 years)	01	10.86	0	1015.5544	50	10	10	10	10
COV.00045	100 µg (18-55 years)	05	9316	14538	63894.144	59713.091	477	173	-	-
COV.00045	100 µg (18-55 years)	06	8769	12191	53814.762	140143.88	72	10	83.9725	44.689225
COV.00045	100 µg (18-55 years)	09	134362	202437	551937.62	1319749.4	221.55812	103.94229	-	-
COV.00045	100 µg (18-55 years)	10	85304	154613	316177.23	682735.76	127	62	683.0025	248.51125
COV.00045	100 µg (18-55 years)	11	25074	54017	83224.035	395112.27	102.8494	42.708313	-	-
COV.00045	100 µg (18-55 years)	12	8289	22572	85220.239	158838.63	22.912878	10	197.73779	55.734572
COV.00045	100 µg (18-55 years)	13	2640	5554	54877.097	20705.604	10	10	112.15304	40.985529
COV.00042	100 µg (18-55 years)	01	17.69	0	1263.5844	50	10	10	10	10
COV.00042	100 µg (18-55 years)	05	5501	14512	36049.46	68518.475	23	10	-	-
COV.00042	100 µg (18-55 years)	06	15562	20540	226348.28	108229.84	10	10	64.0075	17.075243
COV.00042	100 µg (18-55 years)	09	281775	399243	779234.16	1046759	406.96806	272.98352	-	-
COV.00042	100 µg (18-55 years)	10	240507	285884	851377.54	2457600	457.42212	237.46158	1365.17	561.61113
COV.00042	100 µg (18-55 years)	11	129902	160011	626709.41	1279150.1	407.41134	224.47272	-	-
COV.00042	100 µg (18-55 years)	12	99160	135031	487819.94	516364.49	387.91752	225.98009	1508.947	448.67125
COV.00042	100 µg (18-55 years)	13	38270	38633	544238.97	97971.233	296.78949	70.992957	819.88708	359.67461
COV.00056	100 µg (18-55 years)	01	2.619	0	268.1376	50	10	10	10	10
COV.00056	100 µg (18-55 years)	05	6866	12135	40831.785	37209.043	10	10	-	-
COV.00056	100 µg (18-55 years)	06	5287	8974	26134.044	65161.533	10	10	87.6025	20.78188
COV.00056	100 µg (18-55 years)	09	118634	174772	494573.85	662795.08	263.7423	127.57351	-	-
COV.00056	100 µg (18-55 years)	10	155964	209031	633731.41	703488.46	413.09563	155.15476	1508.3725	514.65833
COV.00056	100 µg (18-55 years)	11	63550	77340	279158.88	494656.8	312.76189	184.46951	-	-

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COV.00056	100 µg (18-55 years)	12	41452	49134	192406.21	219670.55	148.37453	66.88049	563.70019	171.52774
COV.00056	100 µg (18-55 years)	13	16478	12864	272425.19	47067.588	48.166378	20.493902	203.24543	60.86821
COV.00093	250 µg (18-55 years)	01	175.8	2.051	2313.7781	520.7806	10	10	10	10
COV.00093	250 µg (18-55 years)	05	9557	26861	48470.022	199857.02	10	10	-	-
COV.00093	250 µg (18-55 years)	06	12017	27614	35115.736	197818.17	10	10	77.999037	10
COV.00093	250 µg (18-55 years)	09	106556	244182	490634	2457600	274	121	-	-
COV.00093	250 µg (18-55 years)	10	89004	167141	372800.29	794115.79	285	106	1834.5506	480.85592
COV.00093	250 µg (18-55 years)	11	50166	167037	124839.71	1083561.1	233	101	-	-
COV.00093	250 µg (18-55 years)	12	24027	50165	127861.62	392412.29	132.13629	39.471509	458.31911	129.45453
COV.00093	250 µg (18-55 years)	13	5509	11776	29698.592	33136.381	77.032461	21.447611	304.99661	101.72268
COV.00095	250 µg (18-55 years)	01	101.2	4.111	1802.5228	742.3238	10	10	10	10
COV.00095	250 µg (18-55 years)	05	16970	95421	81903.107	513909.75	15	10	-	-
COV.00095	250 µg (18-55 years)	06	28814	124563	93011.952	744221.89	33	10	174.81618	29.434279
COV.00095	250 µg (18-55 years)	09	313710	511445	1010812.9	2457600	878	343	-	-
COV.00095	250 µg (18-55 years)	10	264933	432516	888461.27	2457600	406	200	3480.5024	1035.0159
COV.00095	250 µg (18-55 years)	11	129494	359835	412160.31	1236822.5	335	197	-	-
COV.00095	250 µg (18-55 years)	12	66455	119725	326492.87	529366.47	57.593672	43.32439	1052.598	335.04021
COV.00095	250 µg (18-55 years)	13	13019	30405	70966.256	84330.029	34.146742	21.447611	555.21083	140.04284
COV.00094	250 µg (18-55 years)	01	2.607	0	191.9291	120.1662	10	10	10	10
COV.00094	250 µg (18-55 years)	05	7808	15073	43501.264	135288.62	10	10	-	-
COV.00094	250 µg (18-55 years)	06	11580	21021	37659.333	131990.76	10	10	91.675766	12.870579
COV.00094	250 µg (18-55 years)	09	200570	318588	763029.34	1044944.5	431	138	-	-
COV.00094	250 µg (18-55 years)	10	133197	220291	685334.88	1009937.3	487	109	1736.7312	598.11402
COV.00094	250 µg (18-55 years)	11	113360	293022	410015.9	1069212.5	300	191	-	-
COV.00094	250 µg (18-55 years)	12	59478	88538	325783.42	352938.17	161.36914	103.4698	953.64166	323.46279

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COV.00094	250 µg (18-55 years)	13	19310	30678	90154.98	71170.153	61.343296	37.828561	632.78316	179.36162
COV.00106	25 µg (56-70 years)	01	19.49	0	612.2079	50	10	10	10	10
COV.00106	25 µg (56-70 years)	05	282	1060	3289.7865	19236.144	10	10	-	-
COV.00106	25 µg (56-70 years)	06	3419	8814	11844.928	76493.616	10	10	45.615328	10
COV.00106	25 µg (56-70 years)	09	22874	40353	147847.99	317968.78	65	34	-	-
COV.00106	25 µg (56-70 years)	10	72313	102629	319857.1	534007.64	234	106	1132.6333	448.29493
COV.00106	25 µg (56-70 years)	11	49397	129542	126035.37	1077412.9	513	213	-	-
COV.00106	25 µg (56-70 years)	12	30529	36968	111450.28	139691.1	551.43449	139.52778	853.85392	338.25834
COV.00106	25 µg (56-70 years)	13	8998	14194	55483.915	77545.981	165.71663	52.019227	245.82927	76.238418
COV.00105	25 µg (56-70 years)	01	3.057	6.669	278.5658	1480.6956	10	10	10	10
COV.00105	25 µg (56-70 years)	05	33.77	166.4	862.8623	8835.5043	10	10	-	-
COV.00105	25 µg (56-70 years)	06	280.8	1230	2034.9003	10993.97	10	10	10	10
COV.00105	25 µg (56-70 years)	09	28944	27559	325688.89	192534.91	56.124861	27.386128	-	-
COV.00105	25 µg (56-70 years)	10	24773	44222	167831.61	963902.41	170	53	431.02218	149.52783
COV.00105	25 µg (56-70 years)	11	21490	26856	60109.119	148997.66	140	37	-	-
COV.00105	25 µg (56-70 years)	12	8597	12228	33805.885	54848.191	45.442271	26.944387	270.88105	79.565145
COV.00105	25 µg (56-70 years)	13	2620	4471	19015.477	18922.64	10	10	74.053137	16.18445
COV.00124	100 µg (56-70 years)	01	17.14	4.279	3222.2557	484.8422	10	10	10	10
COV.00124	100 µg (56-70 years)	05	1503	4262	23323.756	31335.523	10	10	-	-
COV.00124	100 µg (56-70 years)	06	2326	9235	10582.282	60306.195	10	10	23.62178	10
COV.00124	100 µg (56-70 years)	09	84872	101173	1578160.9	451210.14	240.10831	96.871048	-	-
COV.00124	100 µg (56-70 years)	10	940578	125050	4979947.7	512748.35	399.72773	155.27851	876.68315	367.21778
COV.00124	100 µg (56-70 years)	11	81251	242897	828148.9	1323266.6	270.99815	128.23806	-	-
COV.00124	100 µg (56-70 years)	12	25543	43501	94109.346	174912.28	93.273791	45.166359	479.23812	182.6775
COV.00124	100 µg (56-70 years)	13	9521	29438	98266.272	420391.89	34.641016	10	118.35644	43.92879

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COV.00113	25 µg (56-70 years)	01	3.98	5.019	285.8581	563.4619	10	10	10	10
COV.00113	25 µg (56-70 years)	05	104.9	170.6	2433.6523	3197.9792	10	10	-	-
COV.00113	25 µg (56-70 years)	06	146.6	524.4	1607.7272	4816.3849	10	10	10	10
COV.00113	25 µg (56-70 years)	09	9547	18257	75074.418	231636.03	57	21	-	-
COV.00113	25 µg (56-70 years)	10	7593	13756	53151.681	112419.99	28.982753	10	166.65085	64.04214
COV.00113	25 µg (56-70 years)	11	5329	9432	37976.678	68424.805	35	10	-	-
COV.00113	25 µg (56-70 years)	12	2046	5308	13320.614	46868.821	17.320508	10	83.975246	21.565518
COV.00113	25 µg (56-70 years)	13	284.9	1224	3883.0247	8753.8204	10	10	10	10
COV.00112	25 µg (56-70 years)	01	2.62	0.55	283.0504	342.6689	10	10	10	10
COV.00112	25 µg (56-70 years)	05	14.38	8.401	471.6885	820.2206	10	10	-	-
COV.00112	25 µg (56-70 years)	06	14	94.3	500.731	1590.9332	10	10	10	10
COV.00112	25 µg (56-70 years)	09	9060	11226	41019.242	51155.823	30	10	-	-
COV.00112	25 µg (56-70 years)	10	9405	14072	70537.388	126749.02	39.522146	14.142136	125.70473	48.314683
COV.00112	25 µg (56-70 years)	11	5277	16417	15371.074	173112.8	18	10	-	-
COV.00112	25 µg (56-70 years)	12	1351	2940	6562.8575	16007.442	10	10	68.220129	10
COV.00112	25 µg (56-70 years)	13	236.2	523.7	2098.4578	5998.7823	10	10	10	10
COV.00118	100 µg (56-70 years)	01	0	2.688	50	421.8478	10	10	10	10
COV.00118	100 µg (56-70 years)	05	5080	10248	40980.716	48537.057	25	10	-	-
COV.00118	100 µg (56-70 years)	06	10612	17271	36042.802	81697.604	10	10	96.102588	31.972113
COV.00118	100 µg (56-70 years)	09	65476	106054	363744.09	458583.03	172	97	-	-
COV.00118	100 µg (56-70 years)	10	61008	117379	470874.58	564899.79	235.46755	117.9637	696.78133	387.79885
COV.00118	100 µg (56-70 years)	11	41248	140821	107944.68	832475.07	199	58	-	-
COV.00118	100 µg (56-70 years)	12	12796	24725	65625.459	121158.02	32.496154	23	294.03687	99.110741
COV.00118	100 µg (56-70 years)	13	3074	8497	21303.191	55812.277	10	10	103.68289	31.977602
COV.00117	25 µg (56-70 years)	01	0.3241	0	149.0066	50	10	10	10	10

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COV.00117	25 µg (56-70 years)	05	4307	6356	47459.473	36114.311	10	10	-	-
COV.00117	25 µg (56-70 years)	06	6329	10169	25145.277	66079.818	10	10	29.629395	10
COV.00117	25 µg (56-70 years)	09	65674	129791	340824.66	995198.8	225	137	-	-
COV.00117	25 µg (56-70 years)	10	70718	117845	412949.06	597856.61	425.95774	129.61481	1386.2918	357.62053
COV.00117	25 µg (56-70 years)	11	57390	80602	317215.96	449761.98	342	91	-	-
COV.00117	25 µg (56-70 years)	12	22625	27337	105275.07	107774.47	112.56998	65.95453	411.61746	216.46249
COV.00117	25 µg (56-70 years)	13	4310	5975	44518.6	44985.634	54.092513	10	65.191785	10
COV.00128	100 µg (56-70 years)	01	52.09	0.6208	3865.5255	404.6349	10	10	10	10
COV.00128	100 µg (56-70 years)	05	8651	9478	182161.34	57298.652	10	10	-	-
COV.00128	100 µg (56-70 years)	06	17709	21157	90233.957	81840.677	10	10	156.96755	26.637733
COV.00128	100 µg (56-70 years)	09	3170649	7562105	14722564	32595128	520	312	-	-
COV.00128	100 µg (56-70 years)	10	1778428	244480	6722851	1270057.1	491.44739	200.61544	1679.1543	839.91138
COV.00128	100 µg (56-70 years)	11	266063	1852737	88646.329	9394927.1	382.89424	204.93902	-	-
COV.00128	100 µg (56-70 years)	12	66163	108193	319219.44	585710.9	143.30387	103.92305	1108.6559	378.10548
COV.00128	100 µg (56-70 years)	13	18519	30574	137777.73	203016.81	50.75431	27.45906	442.36776	123.018
COV.00122	100 µg (56-70 years)	01	17.12	1.544	836.9066	432.66	10	10	10	10
COV.00122	100 µg (56-70 years)	05	7357	10530	98084.972	75454.677	10	10	-	-
COV.00122	100 µg (56-70 years)	06	22735	37168	93128.509	232667.43	10	10	102.67979	34.711335
COV.00122	100 µg (56-70 years)	09	2673588	8042618	9217654.8	33483658	813	367	-	-
COV.00122	100 µg (56-70 years)	10	296977	408818	1053140.7	1086449.2	772.59353	465.80888	3082.4635	1355.1838
COV.00122	100 µg (56-70 years)	11	302518	3461485	1202219.7	18240495	953.26701	418.0909	-	-
COV.00122	100 µg (56-70 years)	12	68653	115825	391349.58	900854.39	382.34539	154.66092	1213.2199	476.54585
COV.00122	100 µg (56-70 years)	13	11824	18851	67187.08	100787.23	71.777434	47.010637	290.36789	103.48348
COV.00210	50 µg (18-55 years)	01	69.13	203.8	2283.6953	5147.0591	10	10	10	10
COV.00210	50 µg (18-55 years)	05	10813	17840	73681.343	175825.2	43	10	-	-

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00210	50 µg (18-55 years)	06	19517	30037	101617.69	418582.75	15.491933	10	94.886014	27.370883
COV.00210	50 µg (18-55 years)	09	91605	145528	442077.55	942513.76	355.97753	173.29166	-	-
COV.00210	50 µg (18-55 years)	11	106651	118884	1048610.4	779435.25	324.16045	179.93332	-	-
COV.00210	50 µg (18-55 years)	12	23275	25520	88007.274	76905.796	86.290208	41.641326	408.48384	167.33778
COV.00210	50 µg (18-55 years)	13	6317	19122	17958.296	124157.72	35	15.165751	52.44388	30.110103
COV.00223	50 µg (18-55 years)	01	28.07	13.7	1398.876	4099.9054	10	10	10	10
COV.00223	50 µg (18-55 years)	05	5842	16291	50868.873	188298.77	39.382737	10	-	-
COV.00223	50 µg (18-55 years)	06	8248	18809	38279.928	158847.27	14.142136	10	86.680549	17.058874
COV.00223	50 µg (18-55 years)	09	158244	295017	654888.78	1228134.9	2032.4426	265.04151	-	-
COV.00223	50 µg (18-55 years)	10	202988	268953	1062384.3	898993.77	1095.1251	354.97183	2743.661	874.70567
COV.00223	50 µg (18-55 years)	11	211886	275816	975366.59	1236636.3	774.97226	283.37255	-	-
COV.00223	50 µg (18-55 years)	12	60512	66142	277115.12	227719.11	438.70833	106.05659	1494.8059	428.67928
COV.00223	50 µg (18-55 years)	13	38570	127858	94258.352	845104.99	276.87001	72.807967	254.65356	133.39175
COV.00239	50 µg (18-55 years)	01	19.58	63.43	894.5713	2839.1039	10	10	10	10
COV.00239	50 µg (18-55 years)	05	12209	46227	95222.803	1326678.2	214.7743	20	-	-
COV.00239	50 µg (18-55 years)	06	29879	56515	105620.22	406063.55	40.816663	21.977261	216.50524	42.209673
COV.00239	50 µg (18-55 years)	09	226393	347883	918591.44	2042517	702.9054	204.88045	-	-
COV.00239	50 µg (18-55 years)	10	200891	282193	1192506.1	1035343.6	367.69417	278.38642	2816.1394	821.19535
COV.00239	50 µg (18-55 years)	11	186889	255122	2457600	1219495.5	248.18541	151.98684	-	-
COV.00239	50 µg (18-55 years)	12	28092	32625	143000.42	135823.31	52.649786	27.982137	392.85787	117.89636
COV.00239	50 µg (18-55 years)	13	5747	19411	18106.33	73966.65	14.491377	10	37.821852	23.565816
COV.00225	50 µg (18-55 years)	01	10.56	20.15	729.1436	1236.8473	10	10	10	10
COV.00225	50 µg (18-55 years)	05	594.5	2106	6443.8003	24242.716	10	10	-	-
COV.00225	50 µg (18-55 years)	06	1196	2829	8583.0474	27477.982	10	10	15.021958	10
COV.00225	50 µg (18-55 years)	09	44487	71486	210157.09	458280.26	211.00237	109.08712	-	-

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COV.00225	50 µg (18-55 years)	10	54886	88379	251147.1	676936.96	468.15809	143.35271	1306.063	436.72283
COV.00225	50 µg (18-55 years)	11	56251	67106	578470.52	484108.02	200.37964	93.338095	-	-
COV.00225	50 µg (18-55 years)	12	10416	11156	60464.743	35822.109	30.199338	10	159.09284	30.29825
COV.00225	50 µg (18-55 years)	13	3111	10210	10617.424	66537.39	10	10	19.301323	10
COV.00008	25 µg (18-55 years)	01	0	0.859	50	181.1513	10	10	10	10
COV.00008	25 µg (18-55 years)	05	939.2	4195	9945.9443	26362.898	10	10	-	-
COV.00008	25 µg (18-55 years)	06	2441	6284	14872.418	30988.258	10	10	10	10
COV.00008	25 µg (18-55 years)	09	15007	26992	49958.147	125445.56	37	10	-	-
COV.00008	25 µg (18-55 years)	10	18817	36257	76029.806	164554.96	42	22	229.03	76.632443
COV.00008	25 µg (18-55 years)	11	23585	43297	67139.113	271907.75	23.575883	12.59921	-	-
COV.00008	25 µg (18-55 years)	12	13980	26800	85034.365	193697.88	10	10	132.85675	33.740096
COV.00008	25 µg (18-55 years)	13	2728	7203	11942.225	30978.171	10	10	60.625173	10
COV.00009	25 µg (18-55 years)	01	0	10.26	50	449.282	10	10	10	10
COV.00009	25 µg (18-55 years)	05	971.4	6170	14083.7	31943.883	10	10	-	-
COV.00009	25 µg (18-55 years)	06	917.3	4662	10496.921	26603.801	10	10	10	10
COV.00009	25 µg (18-55 years)	09	30280	61623	107714.73	346367.75	87	40	-	-
COV.00009	25 µg (18-55 years)	10	41404	69101	254146.19	386802.12	233	90	622.86	223.07963
COV.00009	25 µg (18-55 years)	11	48017	66345	208223.48	249046.67	99.979998	52.649786	-	-
COV.00009	25 µg (18-55 years)	12	16814	38036	79213.235	268129.62	116.5118	44.888751	477.73554	139.54768
COV.00009	25 µg (18-55 years)	13	4672	11532	19837.585	49960.666	53.235327	10	142.75687	55.472582
COV.00010	25 µg (18-55 years)	01	0	0.2036	50	134.7784	10	10	10	10
COV.00010	25 µg (18-55 years)	05	4005	15024	16309.941	90564.597	23	10	-	-
COV.00010	25 µg (18-55 years)	06	9155	18755	77388.409	86902.71	10	10	39.4075	12.611933
COV.00010	25 µg (18-55 years)	09	99981	155459	338973.6	588559.63	250	108	-	-
COV.00010	25 µg (18-55 years)	10	112645	169282	439149.47	602403.94	290	222	1772.68	552.09518

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COV.00010	25 µg (18-55 years)	11	102223	111579	368297.5	764837.88	167.92856	96	-	-
COV.00010	25 µg (18-55 years)	12	31222	58992	162487.43	410171.26	168.03571	51.029403	552.40273	211.29355
COV.00010	25 µg (18-55 years)	13	10175	22634	40607.86	178302.63	72.477583	25.258662	211.54839	77.941681
COV.00007	25 µg (18-55 years)	01	0	1.004	50	238.6124	10	10	10	10
COV.00007	25 µg (18-55 years)	05	156.4	1471	2582.7656	11107.001	10	10	-	-
COV.00007	25 µg (18-55 years)	06	375.4	2043	5398.8141	11186.087	10	10	10	10
COV.00007	25 µg (18-55 years)	09	38014	80054	149144.47	352258.07	145	40	-	-
COV.00007	25 µg (18-55 years)	10	37673	72145	217007.54	320133.43	95	39	433.5775	142.25325
COV.00007	25 µg (18-55 years)	11	36726	65582	142032.9	270567.29	70.413067	36	-	-
COV.00007	25 µg (18-55 years)	12	11761	35731	57828.371	232620.62	31.749016	23	349.02982	97.99017
COV.00007	25 µg (18-55 years)	13	3209	10222	13099.89	42722.396	15.165751	10	133.24779	36.689137
COV.00011	100 µg (18-55 years)	01	0	0.358	50	144.288	10	10	10	10
COV.00011	100 µg (18-55 years)	05	13034	23044	51553.994	114177.68	10	10	-	-
COV.00011	100 µg (18-55 years)	06	15078	23370	87051.965	106447.4	21	10	149.71	30.694015
COV.00011	100 µg (18-55 years)	09	60774	123415	274920.29	548862.12	208	63	-	-
COV.00011	100 µg (18-55 years)	10	82254	148108	337215.68	556767.74	271	144	1129.895	429.4491
COV.00011	100 µg (18-55 years)	11	75131	121434	218335.97	878767.67	189.07267	94.866887	-	-
COV.00011	100 µg (18-55 years)	12	28867	68071	149195.82	452828.66	137.74977	58.974571	866.48853	284.92242
COV.00011	100 µg (18-55 years)	13	21664	24569	84923.366	150370.38	66.745786	18.708287	397.91978	128.44414
COV.00013	100 µg (18-55 years)	01	0	4.415	50	505.912	10	10	10	10
COV.00013	100 µg (18-55 years)	05	16646	33654	60406.222	183331.26	45	10	-	-
COV.00013	100 µg (18-55 years)	06	17525	30186	145296.74	92340.494	22	10	119.105	48.572
COV.00013	100 µg (18-55 years)	09	138207	257211	448852.03	790920.35	355	198	-	-
COV.00013	100 µg (18-55 years)	10	96907	202638	397197.21	711214.33	320	164	1623.37	644.38738
COV.00013	100 µg (18-55 years)	11	82566	178541	221437.74	1409667.2	229.61272	124.41865	-	-

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COV.00013	100 µg (18-55 years)	12	37932	103315	180855.24	730174.79	154.83217	63.34035	907.57409	281.15928
COV.00013	100 µg (18-55 years)	13	14920	33482	92090.94	172229.85	117.01282	34.770677	366.38632	132.2619
COV.00030	25 µg (18-55 years)	01	0	1.604	50	248.501	10	10	10	10
COV.00030	25 µg (18-55 years)	05	81.37	1272	1279.4477	7128.5922	10	10	-	-
COV.00030	25 µg (18-55 years)	06	688.6	1689	7866.2245	16879.86	10	10	10	10
COV.00030	25 µg (18-55 years)	09	46266	99145	246558.76	418581.18	24	21	-	-
COV.00030	25 µg (18-55 years)	10	35583	86938	179516.72	381751.19	40	25	205.64	119.02767
COV.00030	25 µg (18-55 years)	11	54881	69060	166460.98	153941.57	32.496154	24.494897	-	-
COV.00030	25 µg (18-55 years)	12	34230	38153	205367.26	224217.78	33.226495	14.491377	280.62342	49.736585
COV.00030	25 µg (18-55 years)	13	4975	6852	32872.812	56129.756	10	10	109.23494	20.766292
COV.00032	25 µg (18-55 years)	01	0	0	50	50	10	10	10	10
COV.00032	25 µg (18-55 years)	05	70.2	9718	1511.1881	50910.364	10	10	-	-
COV.00032	25 µg (18-55 years)	06	743.5	10130	8570.8089	68146.579	10	10	10	10
COV.00032	25 µg (18-55 years)	09	64082	167031	325829.87	676360.35	159	71	-	-
COV.00032	25 µg (18-55 years)	10	40145	108972	192866.29	366946.25	147	58	868.74	246.65595
COV.00032	25 µg (18-55 years)	11	37558	83496	146089.67	289042.73	78.943017	42.743421	-	-
COV.00032	25 µg (18-55 years)	12	13514	36160	59281.965	303232.96	32.268573	10	146.38237	43.501417
COV.00032	25 µg (18-55 years)	13	1535	16184	7423.289	128853.99	10	10	115.95329	23.118324
COV.00012	100 µg (18-55 years)	01	0	27.17	50	1141.9539	10	10	10	10
COV.00012	100 µg (18-55 years)	05	3886	16848	20254.961	123074.88	19	10	-	-
COV.00012	100 µg (18-55 years)	06	12461	19491	92148.154	95425.182	14	10	56.6475	22.258223
COV.00012	100 µg (18-55 years)	09	220346	292799	683588.51	827709.32	362	258	-	-
COV.00012	100 µg (18-55 years)	10	150356	208979	541863.18	707716.54	361	147	1176.375	573.16743
COV.00012	100 µg (18-55 years)	11	138601	195088	367016.48	1066427	247.75593	160.99689	-	-
COV.00012	100 µg (18-55 years)	12	39829	69379	230596.29	394658.63	138.74437	88.181631	698.63046	208.76179

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COV.00012	100 µg (18-55 years)	13	13451	26751	42538.021	116925.76	76.837491	26.832816	251.38966	84.463751
COV.00014	100 µg (18-55 years)	01	14.45	0	650.6189	121.2693	10	10	10	10
COV.00014	100 µg (18-55 years)	05	7445	42072	34629.971	191095.76	44	10	-	-
COV.00014	100 µg (18-55 years)	06	21692	47794	105892.46	168714.57	69	14	121.4475	46.450663
COV.00014	100 µg (18-55 years)	09	236892	349643	724771.11	937098.17	637	247	-	-
COV.00014	100 µg (18-55 years)	10	235044	356720	717155.69	828179.3	697	277	2588.415	948.96928
COV.00014	100 µg (18-55 years)	11	166645	225453	433530.12	913928.12	370.59288	231.93192	-	-
COV.00014	100 µg (18-55 years)	12	54909	105861	299918.04	563651.01	287.66995	103.29569	939.34679	253.11687
COV.00014	100 µg (18-55 years)	13	15935	31968	43685.492	118420.41	176.25266	45.596052	316.69709	90.181214
COV.00034	25 µg (18-55 years)	01	0	0	50	50	10	10	10	10
COV.00034	25 µg (18-55 years)	05	799	6203	7666.8164	25106.537	34	10	-	-
COV.00034	25 µg (18-55 years)	06	1501	9069	15327.203	40350.258	10	10	10	10
COV.00034	25 µg (18-55 years)	09	38677	83348	286739.79	365442.79	130	46	-	-
COV.00034	25 µg (18-55 years)	10	28853	71045	170115.43	338184.72	78	31	320.2075	159.21062
COV.00034	25 µg (18-55 years)	11	35491	62894	142272.7	276392.63	64.621978	38.157568	-	-
COV.00034	25 µg (18-55 years)	12	14252	36598	87604.108	335334.17	42.813549	15.165751	251.90068	75.699289
COV.00034	25 µg (18-55 years)	13	3714	9104	18007.363	44371.414	27.386128	10	107.31932	30.938852
COV.00031	25 µg (18-55 years)	01	0	0	50	50	10	10	10	10
COV.00031	25 µg (18-55 years)	05	375.5	5200	3965.5372	17057.931	10	10	-	-
COV.00031	25 µg (18-55 years)	06	472.6	5097	5930.0211	30803.731	10	10	10	10
COV.00024	25 µg (18-55 years)	01	0.3052	0	241.5799	50	10	10	10	10
COV.00024	25 µg (18-55 years)	05	275.3	1407	3428.324	11728.954	10	10	-	-
COV.00024	25 µg (18-55 years)	06	3446	8787	25763.253	43598.525	10	10	14.4225	10
COV.00024	25 µg (18-55 years)	09	37845	95897	164611.55	461532.6	74	56	-	-
COV.00024	25 µg (18-55 years)	10	41411	73504	270028.72	324700.54	78	39	535.655	161.82711

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COV.00024	25 µg (18-55 years)	11	49898	69335	165558.54	267708.75	79.183332	43.127717	-	-
COV.00024	25 µg (18-55 years)	12	34403	40775	183030.13	356668.8	53.385391	28.530685	242.11602	84.2656
COV.00024	25 µg (18-55 years)	13	10620	32835	56110.429	150541.05	18.165902	10	141.71782	46.75748
COV.00033	25 µg (18-55 years)	01	0	0	50	50	10	10	10	10
COV.00033	25 µg (18-55 years)	05	1784	16615	18758.445	104131.28	10	10	-	-
COV.00033	25 µg (18-55 years)	06	10616	26240	68771.422	99620.864	25	10	79.3475	25.54774
COV.00033	25 µg (18-55 years)	09	57656	143541	289954.4	630885.33	148	89	-	-
COV.00033	25 µg (18-55 years)	10	130872	237310	580425.51	721589.92	53	46	2053.7325	724.41548
COV.00033	25 µg (18-55 years)	11	154354	180446	402923.62	484747.1	252.45198	168.23198	-	-
COV.00033	25 µg (18-55 years)	12	62307	59715	362449.16	295607.51	128.96511	79.774683	868.30533	295.66786
COV.00033	25 µg (18-55 years)	13	12370	21191	51060.389	140522.71	53.665631	16.431677	270.39265	104.87967
COV.00028	25 µg (18-55 years)	01	0	1.821	50	426.8592	10	10	10	10
COV.00028	25 µg (18-55 years)	05	292.2	1810	4674.2747	10748.97	17	10	-	-
COV.00028	25 µg (18-55 years)	06	3576	10302	26925.63	32922.463	10	10	48.6425	10
COV.00028	25 µg (18-55 years)	09	62764	164637	327284.53	671956.75	223	121	-	-
COV.00028	25 µg (18-55 years)	10	41104	110403	197278.2	435425.9	209	76	454.0675	201.0754
COV.00028	25 µg (18-55 years)	11	69278	83150	243648.29	246697.7	75.52483	54.037024	-	-
COV.00028	25 µg (18-55 years)	12	61133	66302	387275.85	600122.24	52.754147	25.099801	292.51987	73.454336
COV.00028	25 µg (18-55 years)	13	10619	24068	52215.418	128245.72	21.213203	10	191.14297	84.994748
COV.00025	25 µg (18-55 years)	01	0	0	50	193.6346	10	10	10	10
COV.00025	25 µg (18-55 years)	05	61.67	3112	1622.5457	24556.52	10	10	-	-
COV.00025	25 µg (18-55 years)	06	978.7	4374	7481.3127	47464.531	10	10	19.49	10
COV.00025	25 µg (18-55 years)	09	15223	30578	108057.78	90210.541	65	34	-	-
COV.00025	25 µg (18-55 years)	10	13709	24073	108491.86	142199.4	57	37	236.8225	86.08371
COV.00025	25 µg (18-55 years)	11	15468	25501	46631.787	91823.53	57.784081	20.248457	-	-

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00025	25 µg (18-55 years)	12	3378	9199	23297.646	80236.095	10	10	44.079482	10
COV.00025	25 µg (18-55 years)	13	594.4	1518	9798.1374	21819.044	10	10	28.68224	10
COV.00027	25 µg (18-55 years)	01	0	0	50	50	10	10	10	10
COV.00027	25 µg (18-55 years)	05	2686	21662	15879.643	154958.86	126	35	-	-
COV.00027	25 µg (18-55 years)	06	4400	16507	29312.199	67566.026	15	10	121.4275	28.167655
COV.00078	250 µg (18-55 years)	01	0.6496	0.2517	158.9222	154.5238	10	10	10	10
COV.00078	250 µg (18-55 years)	05	10103	20287	79501.893	165815.23	10	10	-	-
COV.00078	250 µg (18-55 years)	06	10209	17187	63266.507	118332.58	10	10	35.557143	10
COV.00078	250 µg (18-55 years)	09	297428	547731	881752.04	1386211.6	562.6011	176.05681	-	-
COV.00078	250 µg (18-55 years)	10	306584	433549	979790.86	1201877.6	673.24884	352	2424.7555	709.303
COV.00078	250 µg (18-55 years)	11	155739	274253	873287.04	2457600	500	218	-	-
COV.00078	250 µg (18-55 years)	12	101907	181816	644142.31	1252085.4	343.41811	210	1010.5744	378.60675
COV.00078	250 µg (18-55 years)	13	29169	43563	111121.76	94784.815	158.74508	88.63972	963.00663	332.29459
COV.00026	25 µg (18-55 years)	01	0	0.5133	50	211.6078	10	10	10	10
COV.00026	25 µg (18-55 years)	05	4317	20011	27170.555	132679.55	10	10	-	-
COV.00026	25 µg (18-55 years)	06	4690	15273	34849.981	45321.477	10	10	54.203333	10
COV.00026	25 µg (18-55 years)	09	61789	140280	282819.81	505981.3	160	113	-	-
COV.00026	25 µg (18-55 years)	10	89581	152416	434054.06	563900.04	252	168	2021.995	627.89043
COV.00026	25 µg (18-55 years)	11	117368	113699	343757.49	299122.34	204.88045	143.56183	-	-
COV.00026	25 µg (18-55 years)	12	101557	107530	464723.69	693163.58	232.98498	150.9702	915.29119	268.58016
COV.00026	25 µg (18-55 years)	13	21954	28190	133365.9	179934.35	60.868711	32.186954	557.7856	210.03279
COV.00029	25 µg (18-55 years)	01	0	0	50	50	10	10	10	10
COV.00029	25 µg (18-55 years)	05	4100	15585	24952.977	48897.153	15	10	-	-
COV.00029	25 µg (18-55 years)	06	9834	26476	52410.199	49083.698	27	10	88.12	20.842928
COV.00029	25 µg (18-55 years)	09	90078	184515	474843.83	600139.42	142	98	-	-

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00029	25 µg (18-55 years)	10	104402	204002	383342.75	718342.27	294	195	1379.965	801.035
COV.00029	25 µg (18-55 years)	11	142245	169308	410133.17	1040759.5	321.45295	209.52804	-	-
COV.00029	25 µg (18-55 years)	12	85497	84859	463053.72	428592.94	146.93536	91.913002	736.31357	261.29486
COV.00029	25 µg (18-55 years)	13	19420	38249	94833.975	179230.12	61.514226	27.838822	392.57191	136.38013
COV.00080	250 µg (18-55 years)	01	60.17	0	1393.2635	50	10	10	10	10
COV.00080	250 µg (18-55 years)	05	11667	25169	50297.47	99379.311	10	10	-	-
COV.00080	250 µg (18-55 years)	06	10273	19097	81372.085	105003.13	10	10	27.205587	10
COV.00080	250 µg (18-55 years)	09	156965	191279	616369.66	785514.06	289.2715	111.98214	-	-
COV.00080	250 µg (18-55 years)	10	143268	336112	487769.02	1130998.6	149.96666	80.162335	737.59163	266.68837
COV.00080	250 µg (18-55 years)	11	63909	107357	404171.38	656410.21	213	46	-	-
COV.00080	250 µg (18-55 years)	12	20903	40263	174723.89	299680.51	73.443856	26	157.79524	58.340516
COV.00080	250 µg (18-55 years)	13	4079	11768	27129.429	44494.797	10	10	98.434881	23.327316
COV.00083	250 µg (18-55 years)	01	8.935	289.4	334.8638	5229.5077	10	10	10	10
COV.00083	250 µg (18-55 years)	05	5824	13768	34945.865	85519.972	10	10	-	-
COV.00083	250 µg (18-55 years)	06	3816	19753	40088.542	119228.77	10	10	10	10
COV.00083	250 µg (18-55 years)	09	103325	207498	422355.67	614968.69	305	94	-	-
COV.00083	250 µg (18-55 years)	10	76734	134203	191975.71	623077.25	514	128	1033.6419	304.74539
COV.00083	250 µg (18-55 years)	11	40202	81772	276608.61	563116.4	357	100	-	-
COV.00083	250 µg (18-55 years)	12	18483	50376	105385.13	330847.79	198.69575	60.794737	535.79856	129.52495
COV.00083	250 µg (18-55 years)	13	6516	17693	35904.439	69654.794	67.749539	30.199338	469.20492	115.30127
COV.00079	250 µg (18-55 years)	01	41.35	2.077	1382.4375	366.6455	10	10	10	10
COV.00079	250 µg (18-55 years)	05	9243	31022	45226.598	193162.94	26	10	-	-
COV.00081	250 µg (18-55 years)	01	42.41	0	869.2835	50	10	10	10	10
COV.00081	250 µg (18-55 years)	05	29705	28948	154350.02	137228.94	207	54	-	-
COV.00081	250 µg (18-55 years)	06	33380	36082	241588.19	176932.21	56	31	301.82426	87.60772

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00081	250 µg (18-55 years)	09	311315	419590	1033220.3	1218491	214.47611	130.15376	-	-
COV.00081	250 µg (18-55 years)	10	198757	260579	661752.79	904256.78	244.91427	137.34992	1624.5551	256.52545
COV.00081	250 µg (18-55 years)	11	170103	288447	876006.21	1037050.7	170	91	-	-
COV.00081	250 µg (18-55 years)	12	65656	152292	457301.99	1064489.3	264.60537	75.299402	575.65067	153.80268
COV.00081	250 µg (18-55 years)	13	19555	29631	110920.98	69161.787	56.964901	31.176915	515.20454	186.57249
COV.00087	250 µg (18-55 years)	01	1.302	0	205.4225	50	10	10	10	10
COV.00087	250 µg (18-55 years)	05	27798	68234	251673.74	275565.08	106	27	-	-
COV.00087	250 µg (18-55 years)	06	27616	74427	219006.4	386147.73	53	14	123.8144	31.520845
COV.00087	250 µg (18-55 years)	09	253687	352193	696368.96	1313806.9	339	189	-	-
COV.00087	250 µg (18-55 years)	10	242731	296493	1037340.9	1201221.9	299	151	1013.5758	401.23824
COV.00087	250 µg (18-55 years)	11	170961	239624	1195027.9	1118374.4	296	100	-	-
COV.00087	250 µg (18-55 years)	12	56317	98596	336627.43	669466.62	246.98178	154.97097	1050.6114	301.13432
COV.00087	250 µg (18-55 years)	13	11515	24208	57539.262	91898.316	53.478968	27.92848	526.27753	210.8268
COV.00085	250 µg (18-55 years)	01	9.394	0	415.1602	50	10	10	10	10
COV.00085	250 µg (18-55 years)	05	3617	5101	22135.477	24241.959	10	10	-	-
COV.00085	250 µg (18-55 years)	06	4127	5769	50304.286	28590.752	18	10	18.861995	10
COV.00085	250 µg (18-55 years)	09	124920	172221	403352.84	830982.4	310	147	-	-
COV.00085	250 µg (18-55 years)	10	110992	116601	591638.23	499779.86	404	152	1048.8135	373.28583
COV.00085	250 µg (18-55 years)	11	68855	189319	524286.56	1630952	324	124	-	-
COV.00085	250 µg (18-55 years)	12	20815	53721	68355.853	474581.84	240.56808	84.486685	341.08981	106.86208
COV.00085	250 µg (18-55 years)	13	10033	24115	131212.62	76285.524	149.43226	59.590268	347.98747	70.175186
COV.00086	250 µg (18-55 years)	01	2.337	12.81	250.6501	929.3169	10	10	10	10
COV.00086	250 µg (18-55 years)	05	50179	113076	297380.84	383482.7	118	17	-	-
COV.00086	250 µg (18-55 years)	06	64153	149069	435996.16	552686.39	77	30	220.7495	64.635643
COV.00086	250 µg (18-55 years)	09	306169	478431	854131.82	1607633	320	154	-	-

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COV.00086	250 µg (18-55 years)	10	192013	331049	566553.38	1060700.4	270	156	1129.8364	465.92261
COV.00086	250 µg (18-55 years)	11	132335	242490	731690.55	1171043.3	234	150	-	-
COV.00086	250 µg (18-55 years)	12	47429	92457	131035.28	621409.71	198.99749	130.90455	534.16826	213.8721
COV.00086	250 µg (18-55 years)	13	9710	23436	39007.803	81118.941	32.878564	22.912878	387.68006	119.84701
COV.00084	250 µg (18-55 years)	01	6.588	0	371.7277	101.8874	10	10	10	10
COV.00084	250 µg (18-55 years)	05	61213	67040	143114	300749.68	46	10	-	-
COV.00084	250 µg (18-55 years)	06	26221	70288	239246.91	515953.84	16	10	61.815904	12.606357
COV.00084	250 µg (18-55 years)	09	187137	317607	544079.32	1299132.8	308	143	-	-
COV.00084	250 µg (18-55 years)	10	172031	228878	678627.7	1024987.8	178	97	1345.7026	479.30046
COV.00084	250 µg (18-55 years)	11	96336	169832	565509.34	1106746.2	176	70	-	-
COV.00084	250 µg (18-55 years)	12	20623	52251	105346.69	408728.88	76.459139	45.727453	363.54179	134.90265
COV.00084	250 µg (18-55 years)	13	2208	7326	13466.135	28930.873	10	10	143.51568	45.73929
COV.00153	25 µg (≥71 years)	01	0.1734	0	132.0922	50	10	10	10	10
COV.00153	25 µg (≥71 years)	05	346.5	1985	4264.8926	12381.554	10	10	-	-
COV.00153	25 µg (≥71 years)	06	7300	13586	29443.118	134193.3	10	10	33.629093	10
COV.00153	25 µg (≥71 years)	09	21020	51377	65500.15	243136.83	42	32	-	-
COV.00153	25 µg (≥71 years)	10	39560	59259	329523.9	247637.19	41.952354	35.199432	532.96903	144.8416
COV.00153	25 µg (≥71 years)	11	34018	72188	199522.91	813757.03	41.569219	24.248711	-	-
COV.00153	25 µg (≥71 years)	12	9688	26192	64776.272	68535.141	63.945289	26.07681	139.82361	54.317485
COV.00153	25 µg (≥71 years)	13	5403	8836	65644.387	58257.826	10	10	64.868019	26.829453
COV.00155	25 µg (≥71 years)	01	0	14.93	50	485.7529	10	10	10	10
COV.00155	25 µg (≥71 years)	05	411.2	2255	3734.0166	15644.515	10	10	-	-
COV.00155	25 µg (≥71 years)	06	711.5	3799	5080.2621	43345.179	10	10	13.186423	10
COV.00155	25 µg (≥71 years)	09	30422	75963	120026.88	382891.9	76	34	-	-
COV.00155	25 µg (≥71 years)	10	18594	38335	119571.38	146243.18	69	29	314.96603	87.338693

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COV.00155	25 µg (≥71 years)	11	24990	345088	152474.3	2301919.3	71.203932	48.497423	-	-
COV.00155	25 µg (≥71 years)	12	5594	12671	40376.898	51621.093	14.142136	10	128.57521	28.417128
COV.00155	25 µg (≥71 years)	13	726.4	7887	11004.479	34533.655	10	10	18.098393	10
COV.00158	25 µg (≥71 years)	01	0	3.463	50	246.5546	10	10	10	10
COV.00158	25 µg (≥71 years)	05	369.7	4592	4513.0111	32475.126	10	10	-	-
COV.00158	25 µg (≥71 years)	06	3100	8245	18938.773	61875.429	10	10	18.900033	10
COV.00158	25 µg (≥71 years)	09	33994	64522	99039.773	451294.19	103	69	-	-
COV.00158	25 µg (≥71 years)	10	66272	51207	273532.75	186546.59	128	52	481.53665	156.67953
COV.00158	25 µg (≥71 years)	11	21426	39425	77910.185	384960.2	85.293611	33	-	-
COV.00158	25 µg (≥71 years)	12	4597	8078	23657.352	45076.258	18.973666	10	138.45091	46.226011
COV.00158	25 µg (≥71 years)	13	510.9	1336	8562.4024	19990.234	14.491377	10	34.256211	10
COV.00156	25 µg (≥71 years)	01	0.3188	0	130.7904	101.7095	10	10	10	10
COV.00156	25 µg (≥71 years)	05	80.3	808.6	1991.9812	6824.0856	10	10	-	-
COV.00156	25 µg (≥71 years)	06	2782	7397	15033.718	60101.726	10	10	12.7109	10
COV.00156	25 µg (≥71 years)	09	67379	133857	230145.76	601189.85	108	55	-	-
COV.00156	25 µg (≥71 years)	10	65573	115165	414283.06	461176.28	119	54	490.4312	149.05138
COV.00156	25 µg (≥71 years)	11	75326	133284	517366.11	1290100.2	92.736185	48.062459	-	-
COV.00156	25 µg (≥71 years)	12	24992	33467	164485.34	122535.72	53.665631	22.494444	231.83609	67.951705
COV.00156	25 µg (≥71 years)	13	3570	8330	28758.296	49249.337	10	10	53.393807	12.600157
COV.00160	25 µg (≥71 years)	01	0	0	50	50	10	10	10	10
COV.00160	25 µg (≥71 years)	05	5959	14488	34804.629	85548.925	24.698178	10	-	-
COV.00160	25 µg (≥71 years)	06	29857	32664	155659.79	228197.17	17.606817	10	69.594785	27.900188
COV.00160	25 µg (≥71 years)	09	151150	320009	481137.57	1393548.8	375	144	-	-
COV.00160	25 µg (≥71 years)	10	169278	253092	850996.58	1355291.8	338	220	1009.0172	452.14198
COV.00160	25 µg (≥71 years)	11	146802	265421	730449.51	1427229	412.47545	157.7181	-	-

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COV.00160	25 µg (≥71 years)	12	52340	46303	328845.48	160088.05	131.16783	38.496753	572.74728	203.35433
COV.00160	25 µg (≥71 years)	13	9569	13497	120886.57	74705.801	44.158804	10	113.90098	67.78612
COV.00184	100 µg (≥71 years)	01	114.8	150.8	2029.2876	6556.0588	10	10	10	10
COV.00184	100 µg (≥71 years)	05	9203	4647113	70074.096	21681110	93.338095	10	-	-
COV.00184	100 µg (≥71 years)	06	14214	212748	89934.08	1066967.1	39.799497	10	56.114965	15.79086
COV.00184	100 µg (≥71 years)	09	191430	391634	877490.67	1294104.5	417	234	-	-
COV.00184	100 µg (≥71 years)	10	221140	8726892	1156871.9	76910286	448.94543	327.9253	2100.1053	854.21988
COV.00184	100 µg (≥71 years)	11	181643	3238174	664035.13	20361344	448.2332	221.03393	-	-
COV.00184	100 µg (≥71 years)	12	45384	76986	188210.78	366791.94	222.45449	97.488461	1771.8919	460.24179
COV.00184	100 µg (≥71 years)	13	11944	28112	59699.709	93462.502	123.89915	35	179.9005	65.433912
COV.00157	25 µg (≥71 years)	01	0	0	50	50	10	10	10	10
COV.00157	25 µg (≥71 years)	05	419.4	1089	4711.0655	8118.1993	10	10	-	-
COV.00157	25 µg (≥71 years)	06	3333	6581	16489.009	90851.605	10	10	18.83117	10
COV.00157	25 µg (≥71 years)	09	81508	158929	386621.9	708299.66	193	60	-	-
COV.00157	25 µg (≥71 years)	10	52965	89544	340694.15	337230.51	157	74	311.14625	154.26803
COV.00157	25 µg (≥71 years)	11	70901	638982	503237.95	3340865.9	167.41565	54.470175	-	-
COV.00157	25 µg (≥71 years)	12	11092	24834	50927.136	139568.87	40.69398	10	157.04741	52.579505
COV.00157	25 µg (≥71 years)	13	1962	6008	20658.364	35520.439	10	10	31.875297	10
COV.00154	25 µg (≥71 years)	01	0	0	50	50	10	10	10	10
COV.00154	25 µg (≥71 years)	05	71.04	234.6	2053.9846	2700.2133	10	10	-	-
COV.00154	25 µg (≥71 years)	06	479.7	2117	3544.4528	31186.63	10	10	10	10
COV.00154	25 µg (≥71 years)	09	26078	63514	85668.256	218994.33	89	40	-	-
COV.00154	25 µg (≥71 years)	10	49025	71024	365345.51	336195.59	108.775	71.414284	526.77265	193.89963
COV.00154	25 µg (≥71 years)	11	42012	386747	250040.69	2200963.3	108.51267	37.669616	-	-
COV.00154	25 µg (≥71 years)	12	13124	17152	89071.603	60010.18	19.748418	10	229.69473	63.036335

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00154	25 µg (≥71 years)	13	1757	9001	29262.992	58576.694	10	10	24.746708	10
COV.00169	100 µg (≥71 years)	01	1.48	5.565	280.2137	749.1415	10	10	10	10
COV.00169	100 µg (≥71 years)	05	2040	4429	19698.912	33482.052	10	10	-	-
COV.00169	100 µg (≥71 years)	06	3159	6180	29705.924	75620.302	10	10	10	10
COV.00169	100 µg (≥71 years)	09	29407	82138	85991.949	674329.58	168	41	-	-
COV.00169	100 µg (≥71 years)	10	64749	1466612	501946.2	8789935.4	180.22209	94.466925	571.49873	313.1962
COV.00169	100 µg (≥71 years)	11	38442	85089	113227.94	641820.42	305.63213	113.842	-	-
COV.00169	100 µg (≥71 years)	12	21202	46695	86529.137	244831.86	130.09996	49.507575	488.99149	177.76701
COV.00167	25 µg (≥71 years)	01	11.1	8.401	932.9181	524.3318	10	10	10	10
COV.00167	25 µg (≥71 years)	05	959.1	4822	24366.685	42557.026	10	10	-	-
COV.00167	25 µg (≥71 years)	06	1344	5760	13737.65	50727.895	10	10	10	10
COV.00167	25 µg (≥71 years)	09	50776	96729	235138.95	526033.33	131	81	-	-
COV.00167	25 µg (≥71 years)	10	67379	80949	434588.4	380149.62	99	77	420.45923	210.44155
COV.00167	25 µg (≥71 years)	11	39333	102013	216282.03	1040633	68.373972	42.142615	-	-
COV.00167	25 µg (≥71 years)	12	8083	16472	34537.519	76894.159	33.316662	10	153.72126	48.619599
COV.00167	25 µg (≥71 years)	13	970.2	3168	13845.379	29297.83	10	10	29.326207	10
COV.00166	25 µg (≥71 years)	01	0	0	50	50	10	10	10	10
COV.00166	25 µg (≥71 years)	05	136.6	1658	1942.2695	28696.436	14.491377	10	-	-
COV.00166	25 µg (≥71 years)	06	3792	7738	24530.031	64182.499	10	10	31.29185	10
COV.00166	25 µg (≥71 years)	09	125887	204337	528117.81	1107247.9	442	219	-	-
COV.00166	25 µg (≥71 years)	10	84505	109971	486565.53	580999.24	311.81244	193.26666	879.0081	426.52995
COV.00166	25 µg (≥71 years)	11	85789	175792	388995.87	1320514.2	285.44702	200.7486	-	-
COV.00166	25 µg (≥71 years)	12	24958	23203	182690.25	85642.123	54.313902	34.871192	305.95898	90.365001
COV.00166	25 µg (≥71 years)	13	3712	6287	36006.978	53111.94	10	10	47.074649	16.24451
COV.00178	100 µg (≥71 years)	01	9.023	4.678	1121.0208	355.9479	10	10	10	10

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COV.00178	100 µg (≥71 years)	05	289.3	1758	4303.0467	10526.918	10	10	-	-
COV.00178	100 µg (≥71 years)	06	1685	4224	21612.226	38019.471	10	10	10	10
COV.00178	100 µg (≥71 years)	09	90340	207370	599798.69	1436970.5	241	111	-	-
COV.00178	100 µg (≥71 years)	10	66644	2208735	510851.79	16581794	304.71462	161.84869	700.99303	271.93748
COV.00178	100 µg (≥71 years)	11	58341	123840	245053.36	1430233.9	166.03012	83.839132	-	-
COV.00178	100 µg (≥71 years)	12	15241	19849	109378.9	92430.92	37.456642	25.099801	227.58574	74.022145
COV.00178	100 µg (≥71 years)	13	1295	5624	10756.186	44886.6	27.12932	10	48.358024	12.71871
COV.00159	25 µg (≥71 years)	01	64.8	0.7312	1148.3817	141.4681	10	10	10	10
COV.00159	25 µg (≥71 years)	05	102.4	329.8	2190.1581	5258.2002	10	10	-	-
COV.00159	25 µg (≥71 years)	06	478.6	868	5519.2611	9437.7697	10	10	10	10
COV.00159	25 µg (≥71 years)	09	10247	29524	32169.286	133670.83	50	17	-	-
COV.00159	25 µg (≥71 years)	10	8714	16072	50238.238	62982.405	40	15	134.80035	54.29543
COV.00159	25 µg (≥71 years)	11	8007	22664	25880.791	249439.15	29.342802	10	-	-
COV.00159	25 µg (≥71 years)	12	2867	7679	16339.757	35706.06	10	10	76.848121	10
COV.00159	25 µg (≥71 years)	13	426.4	3315	4862.2576	31690.421	10	10	10	10
COV.00168	100 µg (≥71 years)	01	0	89.74	50	2958.7725	10	10	10	10
COV.00168	100 µg (≥71 years)	05	561.9	2646	6759.7496	16626.651	31.749016	10	-	-
COV.00168	100 µg (≥71 years)	06	8404	17247	47984.666	207944.56	38.678159	10	57.053975	13.699898
COV.00168	100 µg (≥71 years)	09	320411	519507	944416.18	1396481.3	393	148	-	-
COV.00168	100 µg (≥71 years)	10	134094	293694	747355.43	1479170.6	274.86542	185.0027	676.57453	291.93198
COV.00168	100 µg (≥71 years)	11	144115	359840	588354.46	1542821	180.91987	92.43376	-	-
COV.00168	100 µg (≥71 years)	12	51058	92979	256012.1	323169.34	87.258237	64.969223	657.47307	176.08928
COV.00168	100 µg (≥71 years)	13	6985	38092	44572.562	218089.28	51.942276	34.641016	191.98508	57.754418
COV.00173	100 µg (≥71 years)	01	13.5	4.244	1657.3981	657.8741	10	10	10	10
COV.00173	100 µg (≥71 years)	05	5857	18627	37955.745	114025.78	10	10	-	-

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COV.00173	100 µg (≥71 years)	06	8989	23971	59567.211	194310.16	10	10	32.339278	10
COV.00173	100 µg (≥71 years)	09	113913	4265330	849525.89	15980665	359	141	-	-
COV.00173	100 µg (≥71 years)	10	141173	3821580	764852.21	26729126	563.20511	346.49675	1447.6123	604.87158
COV.00173	100 µg (≥71 years)	11	118953	1709305	960700.25	11235746	315.59468	193.26666	-	-
COV.00173	100 µg (≥71 years)	12	19588	38541	87521.429	169775.01	110.01818	44.452222	444.51614	196.02952
COV.00173	100 µg (≥71 years)	13	5733	19934	36675.261	223448.59	65.96969	33.045423	159.31971	61.582926
COV.00176	100 µg (≥71 years)	01	2.313	24.51	412.1117	895.6548	10	10	10	10
COV.00176	100 µg (≥71 years)	05	2388	5597	16122.345	28216.242	10	10	-	-
COV.00176	100 µg (≥71 years)	06	4401	11297	27240.899	73615.713	10	10	10	10
COV.00176	100 µg (≥71 years)	09	39928	98479	347701.32	1038184.1	109	53	-	-
COV.00176	100 µg (≥71 years)	10	32580	91437	210074.18	720201.03	119.22248	69.354164	348.59928	143.42485
COV.00176	100 µg (≥71 years)	11	33066	88585	142808.81	616923.89	89.095454	34.985711	-	-
COV.00176	100 µg (≥71 years)	12	11486	20780	65956.098	71655.686	59.899917	17.320508	191.84232	66.268307
COV.00176	100 µg (≥71 years)	13	1992	7960	34630.609	55948.752	10	10	39.036938	10
COV.00186	100 µg (≥71 years)	01	3.086	13.45	383.632	1182.7191	10	10	10	10
COV.00186	100 µg (≥71 years)	05	6937	16316	48085.502	328760.93	62.609903	14.832397	-	-
COV.00186	100 µg (≥71 years)	06	16118	25216	99919.549	169414.87	14.491377	10	81.616393	13.854683
COV.00186	100 µg (≥71 years)	09	174974	239345	801790.77	1057853.1	373	202	-	-
COV.00186	100 µg (≥71 years)	10	184618	1672604	1562311.5	6092952	389.78327	244.6426	936.01253	437.9908
COV.00186	100 µg (≥71 years)	11	132455	1214598	700317.05	8108258.9	246.96761	117.96186	-	-
COV.00186	100 µg (≥71 years)	12	49907	60587	308253.66	236239.59	157.46428	82.395388	855.92609	301.18556
COV.00186	100 µg (≥71 years)	13	10296	19333	74246.767	104765.88	111.18003	30.413813	161.39207	50.80626
COV.00172	100 µg (≥71 years)	01	0	7.523	50	532.927	10	10	10	10
COV.00172	100 µg (≥71 years)	05	3309	11780	27759.521	64901.972	171.225	23.452079	-	-
COV.00172	100 µg (≥71 years)	06	7690	22450	45982.404	289359.67	47.560488	10	61.777865	17.894575

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COV.00172	100 µg (≥71 years)	09	137596	2814961	882047.49	10364721	300	123	-	-
COV.00172	100 µg (≥71 years)	10	86539	153518	562059.45	1451620	323.95833	178.14881	674.44475	264.17033
COV.00172	100 µg (≥71 years)	11	81368	96529	720980.61	1246220.5	225.14662	108.6278	-	-
COV.00172	100 µg (≥71 years)	12	22265	21335	147657.24	79896.136	72.456884	38.457769	272.7026	111.18266
COV.00172	100 µg (≥71 years)	13	2982	4325	24210.334	33522.951	31.937439	10	72.60774	22.265985
COV.00177	100 µg (≥71 years)	01	4.042	4.015	568.9036	338.0422	10	10	10	10
COV.00177	100 µg (≥71 years)	05	19239	27923	123804.86	125625.77	62.928531	16.733201	-	-
COV.00177	100 µg (≥71 years)	06	40748	60410	174132.71	600442.39	45.92385	29.291637	274.1087	100.32798
COV.00177	100 µg (≥71 years)	09	407620	597145	1242700.6	2457600	1033	590	-	-
COV.00177	100 µg (≥71 years)	10	322572	10092868	1104094.5	69730411	1131.8869	640.53884	2690.885	1147.3328
COV.00177	100 µg (≥71 years)	11	334812	4708419	1201518.4	25471409	628.88234	354.1751	-	-
COV.00177	100 µg (≥71 years)	12	133112	164630	705755.34	635171.67	373.95187	202.70175	1557.4464	567.72483
COV.00177	100 µg (≥71 years)	13	41129	90146	182905.33	502799.23	221.90539	98.752215	641.33669	336.52258
COV.00174	100 µg (≥71 years)	01	140.6	31.81	4379.6408	956.1266	10	10	10	10
COV.00174	100 µg (≥71 years)	05	3196	22848	30595.449	147364.11	10	10	-	-
COV.00174	100 µg (≥71 years)	06	11196	69480	89640.375	450507.87	18.708287	10	64.514723	10
COV.00174	100 µg (≥71 years)	09	1002522	4953143	3006866	20767268	272	166	-	-
COV.00174	100 µg (≥71 years)	10	100634	1490393	755558.06	6110775.3	156.55989	122.68659	716.61588	349.24195
COV.00174	100 µg (≥71 years)	11	79028	1509954	407848.22	7904943.3	107.40577	78.974679	-	-
COV.00174	100 µg (≥71 years)	12	21688	59496	114257.61	206044.45	86.324967	40.620192	647.75547	238.32399
COV.00174	100 µg (≥71 years)	13	11852	29974	145881.45	140611.11	92.010869	32.249031	150.18836	57.647237
COV.00255	50 µg (18-55 years)	01	6.271	8.373	381.6713	314.1714	10	10	10	10
COV.00255	50 µg (18-55 years)	05	11143	30610	49391.818	150400.39	10	10	-	-
COV.00255	50 µg (18-55 years)	06	18517	25173	207606.34	139454.08	10	10	40.023208	10
COV.00255	50 µg (18-55 years)	09	148754	152137	1101902.9	868618.56	331.43627	127.60878	-	-

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COV.00255	50 µg (18-55 years)	10	100836	153353	406813.54	807197.18	364.71496	250.35375	1244.6253	359.8794
COV.00255	50 µg (18-55 years)	11	64365	92111	365244.39	446209.16	209.89283	125.61051	-	-
COV.00255	50 µg (18-55 years)	12	25304	63384	91645.27	372803	67.230945	28.722813	669.20908	194.21636
COV.00255	50 µg (18-55 years)	13	13091	50069	40481.158	280986.52	66.226883	39.59798	206.86316	111.11272
COV.00254	50 µg (18-55 years)	01	9.069	4.161	466.9502	203.2252	10	10	10	10
COV.00254	50 µg (18-55 years)	05	1223	3397	5654.5876	16550.252	88.994382	29.393877	-	-
COV.00254	50 µg (18-55 years)	06	3467	6366	38570.07	96065.068	10	10	24.030453	10
COV.00254	50 µg (18-55 years)	09	87568	109274	643584.83	516370.54	224.73318	104.92378	-	-
COV.00254	50 µg (18-55 years)	10	116495	114845	877588.42	551196.33	310.98553	158.19292	932.63048	283.24989
COV.00254	50 µg (18-55 years)	11	58934	75399	395872.5	407726.03	291.31426	108.47119	-	-
COV.00254	50 µg (18-55 years)	12	24997	48421	126372.99	216315.28	110.89635	37.549967	277.57824	179.57888
COV.00254	50 µg (18-55 years)	13	6119	12393	14075.33	36649.756	30.740852	14.142136	60.279355	23.980866
COV.00258	50 µg (18-55 years)	01	1.913	182	431.1799	2622.3134	10	10	10	10
COV.00258	50 µg (18-55 years)	05	5637	17722	20465.302	75782.634	10	10	-	-
COV.00258	50 µg (18-55 years)	06	10886	15557	159257.13	70448.432	10	10	15.316296	10
COV.00258	50 µg (18-55 years)	09	103674	105546	663880.9	488165.67	361.49136	147.49915	-	-
COV.00258	50 µg (18-55 years)	10	229050	284845	894259.88	1058735.2	909.49986	364.2856	2278.4391	951.52259
COV.00258	50 µg (18-55 years)	11	163838	178295	833917.1	893921.32	683.85232	262.07823	-	-
COV.00258	50 µg (18-55 years)	12	146246	118211	352867.93	617573.87	356.60903	110.36304	1285.9741	366.30887
COV.00258	50 µg (18-55 years)	13	25447	52873	77849.777	276778.3	154.48301	42.953463	150.32953	115.79737
COV.00256	50 µg (18-55 years)	01	3.107	0.6071	968.4792	132.2684	10	10	10	10
COV.00256	50 µg (18-55 years)	05	3543	8162	12796.568	31935.609	10	10	-	-
COV.00256	50 µg (18-55 years)	06	6560	15138	93084.305	64041.9	10	10	13.238115	10
COV.00256	50 µg (18-55 years)	09	101997	135232	592972.76	569998.64	275.49592	150.31301	-	-
COV.00256	50 µg (18-55 years)	10	80461	132980	358949.29	788238.94	270.74711	189.21416	859.29848	318.05234

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COV.00256	50 µg (18-55 years)	11	63293	84729	397341.1	510107.39	145.42008	90.498619	-	-
COV.00256	50 µg (18-55 years)	12	25467	45422	155627.62	202818.18	63.623895	26.457513	333.00429	148.25989
COV.00256	50 µg (18-55 years)	13	8655	19595	21979.672	65902.917	43.588989	15.165751	59.880949	17.392003
COV.00257	50 µg (18-55 years)	01	1.463	53.62	170.4881	797.9854	10	10	10	10
COV.00257	50 µg (18-55 years)	05	21569	56285	86127.351	284291.66	25.258662	10	-	-
COV.00257	50 µg (18-55 years)	06	23751	48580	269416.69	247314.37	15.165751	10	63.144635	20.000008
COV.00257	50 µg (18-55 years)	09	60550	85366	463650.65	433633.73	160.81667	91.104336	-	-
COV.00257	50 µg (18-55 years)	10	77714	136622	358282.14	757540.67	252.0615	86.023253	759.76208	211.12624
COV.00257	50 µg (18-55 years)	11	49905	71001	330964.16	415375.44	108.89444	75.418831	-	-
COV.00257	50 µg (18-55 years)	12	11617	21113	86474.913	140559.56	77.33046	25	324.94663	122.8139
COV.00257	50 µg (18-55 years)	13	4488	20198	14860.653	104288.76	45.607017	25.495098	88.213607	45.008311
COV.00253	50 µg (18-55 years)	01	16.82	0	580.1489	50	10	10	10	12.5
COV.00253	50 µg (18-55 years)	05	2668	5176	11797.761	19625.278	10	10	-	-
COV.00253	50 µg (18-55 years)	06	7147	9509	58927.799	51620.617	10	10	31.653464	10
COV.00253	50 µg (18-55 years)	09	164699	209682	799342.37	951672.11	296.92423	163.52676	-	-
COV.00253	50 µg (18-55 years)	10	156955	215806	803071.17	981184.49	404.58374	227.59174	1466.0575	304.16288
COV.00253	50 µg (18-55 years)	11	119059	156986	685128.04	746572.5	345.99422	169.37532	-	-
COV.00253	50 µg (18-55 years)	12	51961	117655	177070.79	713198.22	389.49198	112.14277	761.29538	238.30778
COV.00253	50 µg (18-55 years)	13	22590	51847	61961.325	369125.13	147.46525	53.478968	90.879508	38.131227
COV.00259	50 µg (18-55 years)	01	2.518	4.471	306.9334	414.6126	10	10	10	10
COV.00259	50 µg (18-55 years)	05	16771	26911	55043.366	140613.73	62.225397	10	-	-
COV.00259	50 µg (18-55 years)	06	18171	20285	129742.6	146690.27	10	10	42.218851	10
COV.00259	50 µg (18-55 years)	09	123383	133035	909071.51	623134.29	312.2563	148.9698	-	-
COV.00259	50 µg (18-55 years)	10	79582	108752	287569.77	598753.17	436.73791	95.498691	735.10881	244.154
COV.00259	50 µg (18-55 years)	11	67498	79804	441974.24	456502.65	249.48948	76.24959	-	-

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00259	50 µg (18-55 years)	12	17911	47118	58782.547	332496.62	111.83917	29.291637	301.4326	105.54961
COV.00259	50 µg (18-55 years)	13	4093	18544	17061.185	123394.99	53.665631	14.491377	42.824627	10
COV.00240	50 µg (≥71 years)	01	23.55	20.19	707.5058	1153.1879	10	10	10	10
COV.00240	50 µg (≥71 years)	05	690	2337	7833.1445	30812.209	10	10	-	-
COV.00240	50 µg (≥71 years)	06	6832	10884	62688.995	90822.295	34.467376	10	47.364966	10
COV.00240	50 µg (≥71 years)	09	198915	139726	1617483.5	690274.54	331.27028	183.63006	-	-
COV.00240	50 µg (≥71 years)	10	134236	169059	474011.63	810634.68	736.96676	276.88445	1196.9975	338.48643
COV.00240	50 µg (≥71 years)	11	98957	89988	611231.97	309221.39	583.76708	207.91344	-	-
COV.00240	50 µg (≥71 years)	12	32422	36056	150265.69	114957	283.78689	100.04999	301.42022	82.073825
COV.00240	50 µg (≥71 years)	13	25813	25681	593493.54	138558.89	92.368826	37.788887	94.951661	57.22588
COV.00208	50 µg (56-70 years)	01	34.95	7.578	657.7534	281.6609	10	10	10	10
COV.00208	50 µg (56-70 years)	05	735.5	2603	5375.6555	15009.814	10	10	-	-
COV.00208	50 µg (56-70 years)	06	1168	3178	10109.914	26179.913	10	10	10	10
COV.00208	50 µg (56-70 years)	09	13846	19341	53895.973	105150.36	86.301796	45.055521	-	-
COV.00208	50 µg (56-70 years)	10	38570	68310	201939.07	458324.64	143.84367	82.704293	435.04415	155.4474
COV.00208	50 µg (56-70 years)	11	27957	40981	169791.46	124547.42	127.96875	58.889727	-	-
COV.00208	50 µg (56-70 years)	12	11529	17737	41704.773	54974.458	87.988636	18.439089	201.8988	83.942239
COV.00208	50 µg (56-70 years)	13	12657	10366	92243.066	73587.122	25.455844	10	88.364232	21.45325
COV.00233	50 µg (≥71 years)	01	10.08	35.76	382.2129	1628.276	10	10	10	10
COV.00233	50 µg (≥71 years)	05	356.8	938	6961.433	5038.3999	10	10	-	-
COV.00233	50 µg (≥71 years)	06	647.7	1051	9701.3084	5074.8327	10	10	10	10
COV.00233	50 µg (≥71 years)	09	3940	4941	22568.374	35548.109	99.01515	10	-	-
COV.00233	50 µg (≥71 years)	10	10315	15916	36573.543	79328.066	57.766772	14.491377	156.22558	63.980133
COV.00233	50 µg (≥71 years)	11	6531	15387	27797.422	86723.229	45.055521	10	-	-
COV.00233	50 µg (≥71 years)	12	3005	4662	13977.434	20515.065	10	10	40.670045	10

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COV.00233	50 µg (≥71 years)	13	1758	4624	21779.408	16765.716	10	10	10	10
COV.00221	50 µg (56-70 years)	01	222.6	88.15	2144.4167	1233.0142	10	10	10	10
COV.00221	50 µg (56-70 years)	05	2630	9872	13740.847	43485.307	10	10	-	-
COV.00221	50 µg (56-70 years)	06	3695	10947	20927.194	43533.125	10	10	24.887836	10
COV.00221	50 µg (56-70 years)	09	22583	30580	76240.501	188825.41	114.16655	56.497788	-	-
COV.00221	50 µg (56-70 years)	10	42382	59802	222359.54	267039.09	250.3877	75.299402	605.76371	184.14621
COV.00221	50 µg (56-70 years)	11	32718	70767	126575.28	385367.11	119.44873	38.948684	-	-
COV.00221	50 µg (56-70 years)	12	6936	19106	27201.579	98827.315	20.976177	10	224.94937	47.803263
COV.00221	50 µg (56-70 years)	13	6161	10537	92992.527	42732.013	10	10	59.384436	10
COV.00207	50 µg (56-70 years)	01	0.799	2.391	148.6167	358.5353	10	10	10	10
COV.00207	50 µg (56-70 years)	05	541.2	906.5	4130.1191	10360.744	14.142136	10	-	-
COV.00207	50 µg (56-70 years)	06	622.2	1159	4754.96	12026.652	10	10	10	10
COV.00207	50 µg (56-70 years)	09	7292	10901	26275.215	67611.761	21.494185	10	-	-
COV.00207	50 µg (56-70 years)	10	77603	98457	384290.29	515761.33	135.05554	98.397154	453.24281	170.7771
COV.00207	50 µg (56-70 years)	11	52202	68330	190181.93	346779.14	102.40117	78.689262	-	-
COV.00207	50 µg (56-70 years)	12	13632	15722	60678.245	44488.129	25.884358	10	153.43097	44.138885
COV.00207	50 µg (56-70 years)	13	8007	9602	64958.781	67079.272	10	10	34.648252	15.629195
COV.00209	50 µg (56-70 years)	01	0.2513	15.81	132.4167	556.2048	10	10	10	10
COV.00209	50 µg (56-70 years)	05	1771	7890	15358.784	53757.206	14.491377	10	-	-
COV.00209	50 µg (56-70 years)	06	2988	8249	22429.632	63782.918	10	10	10	10
COV.00209	50 µg (56-70 years)	09	26880	38274	87579.78	187063.5	88.436418	62.498	-	-
COV.00209	50 µg (56-70 years)	10	131289	160591	633240.79	764052.13	229.82602	148.84556	1093.5661	279.97026
COV.00209	50 µg (56-70 years)	11	92042	135777	398393.47	752173.48	158.38561	100.3992	-	-
COV.00209	50 µg (56-70 years)	12	8748	12598	37126.951	35078.41	22.36068	10	122.65738	25.797591
COV.00209	50 µg (56-70 years)	13	3297	11705	45727.41	134127.86	10	10	26.356837	10

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COV.00212	50 µg (56-70 years)	01	9.07	15.87	474.0605	534.0507	10	10	10	10
COV.00212	50 µg (56-70 years)	05	496.5	2716	6182.1118	17514.585	10	10	-	-
COV.00212	50 µg (56-70 years)	06	1237	3288	10725.304	16333.68	10	10	10	10
COV.00212	50 µg (56-70 years)	09	35472	53740	213603.03	528680.62	121.84827	77.459667	-	-
COV.00212	50 µg (56-70 years)	10	24473	34731	83084.554	192639.61	419.39838	70.199715	449.29969	141.80943
COV.00212	50 µg (56-70 years)	11	30929	56634	145442.09	291229.92	172.77153	42.142615	-	-
COV.00212	50 µg (56-70 years)	12	11325	25305	50735.69	132902.15	66.090847	15.491933	154.83542	46.463788
COV.00212	50 µg (56-70 years)	13	14619	18466	275135.41	64193.823	24.083189	10	61.71524	32.550737
COV.00211	50 µg (56-70 years)	01	9.241	61.5	580.071	3169.1773	10	10	10	10
COV.00211	50 µg (56-70 years)	05	1226	21773	13819.741	185208.25	10	10	-	-
COV.00211	50 µg (56-70 years)	06	2923	11623	13643.521	53787.514	10	10	17.659487	10
COV.00211	50 µg (56-70 years)	09	25021	30622	133098.75	146791.32	165.10603	50.159745	-	-
COV.00211	50 µg (56-70 years)	10	75182	106970	409536.53	548549.24	379.28354	178.14881	1407.9749	415.47746
COV.00211	50 µg (56-70 years)	11	64077	93787	424634.8	304888.95	187.99734	111.45851	-	-
COV.00211	50 µg (56-70 years)	12	10444	19728	44095.95	78003.13	68.410526	14.491377	288.59696	104.52483
COV.00211	50 µg (56-70 years)	13	5213	10676	86160.808	76905.61	10	10	40.438653	10
COV.00228	50 µg (≥71 years)	01	1.696	6.136	269.8116	434.7417	10	10	10	10
COV.00228	50 µg (≥71 years)	05	1061	3062	9521.1086	33119.718	10	10	-	-
COV.00228	50 µg (≥71 years)	06	2684	5118	18144.448	49240.55	10	10	13.062653	10
COV.00228	50 µg (≥71 years)	09	31111	32807	137212.86	183234.85	185.04054	63.498031	-	-
COV.00228	50 µg (≥71 years)	10	81514	89503	466383.03	420061.9	592.7588	272.68663	1074.4233	328.00553
COV.00228	50 µg (≥71 years)	11	70446	76471	293512.37	249267.95	367.19477	198.57492	-	-
COV.00228	50 µg (≥71 years)	12	20531	23089	81639.279	93929.534	143.40153	47.728398	418.42183	127.97618
COV.00228	50 µg (≥71 years)	13	12673	13970	138047.85	114872.42	45.727453	23.979158	100.83437	58.854875
COV.00224	50 µg (≥71 years)	01	0	0	115.2926	50	10	10	10	10

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COV.00224	50 µg (≥71 years)	05	0.907	80.38	240.1113	912.1252	10	10	-	-
COV.00224	50 µg (≥71 years)	06	39.98	326.3	1075.1411	2819.437	10	10	10	10
COV.00224	50 µg (≥71 years)	09	1724	3422	8746.7866	21418.797	43	10	-	-
COV.00224	50 µg (≥71 years)	10	3956	13204	14074.576	79599.512	129.86146	27.349589	221.69336	67.492534
COV.00224	50 µg (≥71 years)	11	3501	18543	16167.587	71322.208	67.970582	10	-	-
COV.00224	50 µg (≥71 years)	12	1269	9836	8891.758	51564.366	25.298221	10	74.750336	14.291414
COV.00224	50 µg (≥71 years)	13	1333	14167	17764.83	41980.784	10	10	24.35536	10
COV.00213	50 µg (56-70 years)	01	13.23	11.13	363.3635	620.6689	10	10	10	10
COV.00213	50 µg (56-70 years)	05	1219	3256	6787.2749	24815.75	23.664319	10	-	-
COV.00213	50 µg (56-70 years)	06	11266	18148	49139.421	106392.06	36.945906	10	63.070758	10
COV.00213	50 µg (56-70 years)	09	114241	194972	593537.43	1216245.8	605.94719	199.70979	-	-
COV.00213	50 µg (56-70 years)	10	86095	120916	253667.28	736179.67	257.29361	168.70685	1120.0501	396.79803
COV.00213	50 µg (56-70 years)	11	99761	110977	465980.62	597981.79	488.12294	204.25474	-	-
COV.00213	50 µg (56-70 years)	12	33799	38998	177830.87	167159.8	118.28778	64.226163	479.20693	148.82859
COV.00213	50 µg (56-70 years)	13	26722	42168	214680.37	104793.17	64.899923	27.92848	163.5863	113.18495
COV.00216	50 µg (56-70 years)	01	8.457	20.24	317.136	662.1588	10	10	10	10
COV.00216	50 µg (56-70 years)	05	2806	31000	13499.33	250248.74	10	10	-	-
COV.00216	50 µg (56-70 years)	06	3956	25604	20481.26	216553.9	10	10	14.394075	10
COV.00216	50 µg (56-70 years)	09	39871	59087	241273.54	550931.33	174.49928	93.866927	-	-
COV.00216	50 µg (56-70 years)	10	25556	44779	94282.808	279479.79	204.71932	69.964277	559.22091	135.36709
COV.00216	50 µg (56-70 years)	11	29675	56835	129901.75	273080.24	178.56651	49.112117	-	-
COV.00216	50 µg (56-70 years)	12	9930	15396	36480.672	45610.428	53.441557	22.449944	202.79589	69.658668
COV.00216	50 µg (56-70 years)	13	9927	28961	111360.18	110014.91	37.828561	10	107.1534	54.589229
COV.00231	50 µg (≥71 years)	01	0	0	50	50	10	10	10	10
COV.00231	50 µg (≥71 years)	05	6791	12276	47986.783	53534.814	10	10	-	-

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COV.00231	50 µg (≥71 years)	06	13200	17799	89945.022	76121.625	23.452079	10	103.65402	22.57433
COV.00231	50 µg (≥71 years)	09	12291	15345	68839.438	147168.55	66.745786	22.978251	-	-
COV.00231	50 µg (≥71 years)	10	173891	167128	887124.14	907824.04	1409.2594	716.41329	3974.1728	1439.602
COV.00231	50 µg (≥71 years)	11	143896	161252	547309.56	512939.61	1787.7047	605.54934	-	-
COV.00231	50 µg (≥71 years)	12	33166	38541	137032.05	188746.69	303.40567	131.75735	832.73824	331.41247
COV.00231	50 µg (≥71 years)	13	25125	14804	624535.32	55575.607	228.16661	83.904708	152.59603	74.273624
COV.00241	50 µg (≥71 years)	01	7.74	0	403.6841	76.7989	10	10	10	10
COV.00241	50 µg (≥71 years)	05	65.01	60.35	1567.3449	794.8329	10	10	-	-
COV.00241	50 µg (≥71 years)	06	420.6	534.1	6229.2238	5030.1161	10	10	10	10
COV.00241	50 µg (≥71 years)	09	8264	6742	52529.456	32491.357	17.029386	10	-	-
COV.00241	50 µg (≥71 years)	10	34885	49153	141471.11	255130.02	135.49908	34.058773	266.32217	76.248713
COV.00241	50 µg (≥71 years)	11	26285	28022	173999.36	82133.333	123.46659	39.68627	-	-
COV.00241	50 µg (≥71 years)	12	2909	6071	14008.563	32858.138	10	10	75.520812	12.729071
COV.00241	50 µg (≥71 years)	13	2804	4389	71936.469	18889.951	10	10	10	10
COV.00206	50 µg (≥71 years)	01	18.62	44.31	428.4997	1401.2564	10	10	10	10
COV.00206	50 µg (≥71 years)	05	467.5	1328	4022.5028	15309.075	10	10	-	-
COV.00206	50 µg (≥71 years)	06	1301	2132	8141.3401	16756.159	10	10	10	10
COV.00206	50 µg (≥71 years)	09	5721	8345	22108.837	40009.899	22.803509	10	-	-
COV.00206	50 µg (≥71 years)	10	33088	42391	161250.58	232175.23	162.88953	57.54129	273.38588	86.732408
COV.00206	50 µg (≥71 years)	11	24333	37130	100608.08	203857.3	107.49884	62.992063	-	-
COV.00206	50 µg (≥71 years)	12	10505	11887	36959.94	36912.12	50.724747	14.491377	176.98383	57.144223
COV.00206	50 µg (≥71 years)	13	11487	21992	129733.87	63352.598	36.331804	10	55.015482	10
COV.00205	50 µg (56-70 years)	01	0	5.917	50	397.1824	10	10	10	10
COV.00205	50 µg (56-70 years)	05	812.9	7309	4727.3151	71806.591	10	10	-	-
COV.00205	50 µg (56-70 years)	06	656.4	3416	3942.1238	21235.593	10	10	17.242478	10

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COV.00205	50 µg (56-70 years)	09	5926	8721	23355.649	52250.25	31.811947	10	-	-
COV.00205	50 µg (56-70 years)	10	49024	93829	221506.82	495532.9	113.47246	71.302174	781.05544	186.22477
COV.00205	50 µg (56-70 years)	11	26087	56180	102044.96	283720.19	85.994186	65.176683	-	-
COV.00205	50 µg (56-70 years)	12	8332	15054	66770.75	84833.924	15.165751	10	143.78019	23.954198
COV.00222	50 µg (56-70 years)	01	13.78	0.6057	610.9366	167.9973	10	10	10	10
COV.00222	50 µg (56-70 years)	05	893.2	10177	10152.424	51541.064	10	10	-	-
COV.00222	50 µg (56-70 years)	06	2948	11210	16526.541	88177.387	17.320508	10	10	10
COV.00222	50 µg (56-70 years)	09	36386	37671	197774.14	165698.76	173.50504	87.891979	-	-
COV.00222	50 µg (56-70 years)	10	104816	68814	395077.58	326962.87	253.49556	121.43311	1137.597	340.12888
COV.00222	50 µg (56-70 years)	11	47682	62946	180305.23	186941.85	215.43677	89.88882	-	-
COV.00222	50 µg (56-70 years)	12	15518	22232	86178.549	112463.25	62.864935	24.372115	317.85225	75.017059
COV.00222	50 µg (56-70 years)	13	13806	11160	472397.92	44880.361	14.142136	10	84.900697	36.171811
COV.00217	50 µg (≥71 years)	01	11.75	126.5	411.0739	2159.4172	10	10	10	10
COV.00217	50 µg (≥71 years)	05	34.88	3448	732.6626	41204.539	10	10	-	-
COV.00217	50 µg (≥71 years)	06	150.4	4391	2408.8823	54036.366	10	10	10	10
COV.00217	50 µg (≥71 years)	09	14877	22682	75729.615	202229.56	200.12996	44.698993	-	-
COV.00217	50 µg (≥71 years)	10	11649	25881	32234.286	153579.96	206.86952	42.813549	385.03591	98.768731
COV.00217	50 µg (≥71 years)	11	16733	41049	78207.74	211400.94	139.2408	28.460499	-	-
COV.00217	50 µg (≥71 years)	12	7925	19519	33625.413	56724.706	26.832816	10	163.52858	45.973456
COV.00217	50 µg (≥71 years)	13	7027	17647	88512.8	104267.45	10	10	59.012595	31.488438
COV.00237	50 µg (≥71 years)	01	0	0	50	50	10	10	10	10
COV.00237	50 µg (≥71 years)	05	0	9.98	50	264.2348	10	10	-	-
COV.00237	50 µg (≥71 years)	06	14	90.89	486.6	1075.0777	10	10	10	10
COV.00237	50 µg (≥71 years)	09	7873	6821	55080.104	37009.361	10	10	-	-
COV.00237	50 µg (≥71 years)	10	6976	12418	28612.892	64216.037	20	10	50.362069	10

Subject ID	Vaccination Group	Visit Number	Serum IgG ELISA AUC (RBD)	Serum IgG ELISA AUC (S-2P)	Serum IgG ELISA Endpoint Dilution Titer (RBD)	Serum IgG ELISA Endpoint Dilution Titer (S-2P)	PsVNA (ID ₅₀)	PsVNA (ID ₈₀)	FRNT-mNG (ID ₅₀)	FRNT-mNG (ID ₈₀)
COV.00237	50 µg (≥71 years)	11	4254	7686	18376.456	27676.852	10	10	-	-
COV.00237	50 µg (≥71 years)	12	1081	4239	6911.9512	18599.194	10	10	10	10
COV.00237	50 µg (≥71 years)	13	936.3	5011	15944.304	39742.625	10	10	10	10
COV.00238	50 µg (≥71 years)	01	0	7.706	50	546.6117	10	10	10	10
COV.00238	50 µg (≥71 years)	05	60.25	782.7	1422.6538	5643.574	10	10	-	-
COV.00238	50 µg (≥71 years)	06	5311	9356	22880.12	52104.851	10	10	13.27299	10
COV.00238	50 µg (≥71 years)	09	119690	112346	645163.16	511756.51	430.06395	243.31461	-	-
COV.00238	50 µg (≥71 years)	10	135797	211504	527852.57	886501.95	537.25413	285.07894	1729.9434	572.76187
COV.00238	50 µg (≥71 years)	11	108638	112252	625732.45	380184.82	258.91118	149.73977	-	-
COV.00238	50 µg (≥71 years)	12	31524	45503	162543.92	212518.08	79.649231	30.983867	626.97121	209.20192
COV.00238	50 µg (≥71 years)	13	17575	41226	169022.53	308880.29	51.117512	27	264.99316	93.233183