

ADI ID	VH Protein SEQ ID NO	VH FR1 Protein SEQ ID NO	VH CDR1 Protein SEQ ID NO	VH FR2 Protein SEQ ID NO	VH CDR2 Protein SEQ ID NO	VH FR3 Protein SEQ ID NO	VH CDR3 Protein SEQ ID NO	VH FR4 Protein SEQ ID NO	VH DNA SEQ ID NO
ADI-55688	102	103	104	105	106	107	108	109	110
ADI-55689	202	203	204	205	206	207	208	209	210
ADI-55690	302	303	304	305	306	307	308	309	310
ADI-55691	402	403	404	405	406	407	408	409	410
ADI-55692	502	503	504	505	506	507	508	509	510
ADI-55693	602	603	604	605	606	607	608	609	610
ADI-55694	702	703	704	705	706	707	708	709	710
ADI-55695	802	803	804	805	806	807	808	809	810
ADI-55696	902	903	904	905	906	907	908	909	910
ADI-55697	1002	1003	1004	1005	1006	1007	1008	1009	1010
ADI-55698	1102	1103	1104	1105	1106	1107	1108	1109	1110
ADI-55699	1202	1203	1204	1205	1206	1207	1208	1209	1210
ADI-55700	1302	1303	1304	1305	1306	1307	1308	1309	1310
ADI-55701	1402	1403	1404	1405	1406	1407	1408	1409	1410
ADI-55702	1502	1503	1504	1505	1506	1507	1508	1509	1510
ADI-55703	1602	1603	1604	1605	1606	1607	1608	1609	1610
ADI-55704	1702	1703	1704	1705	1706	1707	1708	1709	1710
ADI-55705	1802	1803	1804	1805	1806	1807	1808	1809	1810
ADI-55706	1902	1903	1904	1905	1906	1907	1908	1909	1910
ADI-55707	2002	2003	2004	2005	2006	2007	2008	2009	2010
ADI-55708	2102	2103	2104	2105	2106	2107	2108	2109	2110
ADI-55709	2202	2203	2204	2205	2206	2207	2208	2209	2210
ADI-55710	2302	2303	2304	2305	2306	2307	2308	2309	2310
ADI-55711	2402	2403	2404	2405	2406	2407	2408	2409	2410
ADI-55712	2502	2503	2504	2505	2506	2507	2508	2509	2510

FIG. 1A

ADI ID	VH Protein SEQ ID NO:	VH FR1 Protein SEQ ID NO:	VH CDR1 Protein SEQ ID NO:	VH FR2 Protein SEQ ID NO:	VH CDR2 Protein SEQ ID NO:	VH FR3 Protein SEQ ID NO:	VH CDR3 Protein SEQ ID NO:	VH FR4 Protein SEQ ID NO:	VH DNA SEQ ID NO:
ADI-55713	2602	2603	2604	2605	2606	2607	2608	2609	2610
ADI-55714	2702	2703	2704	2705	2706	2707	2708	2709	2710
ADI-55715	2802	2803	2804	2805	2806	2807	2808	2809	2810
ADI-55716	2902	2903	2904	2905	2906	2907	2908	2909	2910
ADI-55717	3002	3003	3004	3005	3006	3007	3008	3009	3010
ADI-55718	3102	3103	3104	3105	3106	3107	3108	3109	3110
ADI-55719	3202	3203	3204	3205	3206	3207	3208	3209	3210
ADI-55721	3302	3303	3304	3305	3306	3307	3308	3309	3310
ADI-55722	3402	3403	3404	3405	3406	3407	3408	3409	3410
ADI-55723	3502	3503	3504	3505	3506	3507	3508	3509	3510
ADI-55724	3602	3603	3604	3605	3606	3607	3608	3609	3610
ADI-55725	3702	3703	3704	3705	3706	3707	3708	3709	3710
ADI-55726	3802	3803	3804	3805	3806	3807	3808	3809	3810
ADI-55727	3902	3903	3904	3905	3906	3907	3908	3909	3910
ADI-55728	4002	4003	4004	4005	4006	4007	4008	4009	4010
ADI-55729	4102	4103	4104	4105	4106	4107	4108	4109	4110
ADI-55730	4202	4203	4204	4205	4206	4207	4208	4209	4210
ADI-55731	4302	4303	4304	4305	4306	4307	4308	4309	4310
ADI-55732	4402	4403	4404	4405	4406	4407	4408	4409	4410
ADI-55733	4502	4503	4504	4505	4506	4507	4508	4509	4510
ADI-55734	4602	4603	4604	4605	4606	4607	4608	4609	4610
ADI-55735	4702	4703	4704	4705	4706	4707	4708	4709	4710
ADI-55736	4802	4803	4804	4805	4806	4807	4808	4809	4810
ADI-55737	4902	4903	4904	4905	4906	4907	4908	4909	4910
ADI-55738	5002	5003	5004	5005	5006	5007	5008	5009	5010

FIG. 1B

ADI ID	VH		VH FR1		VH CDR1		VH FR2		VH CDR2		VH FR3		VH CDR3		VH FR4		VH	
	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	DNA	SEQ ID NO.
AD-55739		5102		5103		5104		5105		5106		5107		5108		5109		5110
AD-55740		5202		5203		5204		5205		5206		5207		5208		5209		5210
AD-55741		5302		5303		5304		5305		5306		5307		5308		5309		5310
AD-55742		5402		5403		5404		5405		5406		5407		5408		5409		5410
AD-55743		5502		5503		5504		5505		5506		5507		5508		5509		5510
AD-55744		5602		5603		5604		5605		5606		5607		5608		5609		5610
AD-55745		5702		5703		5704		5705		5706		5707		5708		5709		5710
AD-55746		5802		5803		5804		5805		5806		5807		5808		5809		5810
AD-55747		5902		5903		5904		5905		5906		5907		5908		5909		5910
AD-55748		6002		6003		6004		6005		6006		6007		6008		6009		6010
AD-55749		6102		6103		6104		6105		6106		6107		6108		6109		6110
AD-55750		6202		6203		6204		6205		6206		6207		6208		6209		6210
AD-55751		6302		6303		6304		6305		6306		6307		6308		6309		6310
AD-55752		6402		6403		6404		6405		6406		6407		6408		6409		6410
AD-55753		6502		6503		6504		6505		6506		6507		6508		6509		6510
AD-55754		6602		6603		6604		6605		6606		6607		6608		6609		6610
AD-55755		6702		6703		6704		6705		6706		6707		6708		6709		6710
AD-55756		6802		6803		6804		6805		6806		6807		6808		6809		6810
AD-55757		6902		6903		6904		6905		6906		6907		6908		6909		6910
AD-55758		7002		7003		7004		7005		7006		7007		7008		7009		7010
AD-55759		7102		7103		7104		7105		7106		7107		7108		7109		7110
AD-55760		7202		7203		7204		7205		7206		7207		7208		7209		7210
AD-55761		7302		7303		7304		7305		7306		7307		7308		7309		7310
AD-55762		7402		7403		7404		7405		7406		7407		7408		7409		7410
AD-55763		7502		7503		7504		7505		7506		7507		7508		7509		7510

FIG. 1C

ADI ID	VH Protein SEQ ID NO	VH FR1 Protein SEQ ID NO	VH CDR1 Protein SEQ ID NO	VH FR2 Protein SEQ ID NO	VH CDR2 Protein SEQ ID NO	VH FR3 Protein SEQ ID NO	VH CDR3 Protein SEQ ID NO	VH FR4 Protein SEQ ID NO	VH DNA SEQ ID NO
ADI-55765	7602	7603	7604	7605	7606	7607	7608	7609	7610
ADI-55766	7702	7703	7704	7705	7706	7707	7708	7709	7710
ADI-55767	7802	7803	7804	7805	7806	7807	7808	7809	7810
ADI-55769	7902	7903	7904	7905	7906	7907	7908	7909	7910
ADI-55770	8002	8003	8004	8005	8006	8007	8008	8009	8010
ADI-55771	8102	8103	8104	8105	8106	8107	8108	8109	8110
ADI-55775	8202	8203	8204	8205	8206	8207	8208	8209	8210
ADI-55776	8302	8303	8304	8305	8306	8307	8308	8309	8310
ADI-55777	8402	8403	8404	8405	8406	8407	8408	8409	8410
ADI-55950	8502	8503	8504	8505	8506	8507	8508	8509	8510
ADI-55951	8602	8603	8604	8605	8606	8607	8608	8609	8610
ADI-55952	8702	8703	8704	8705	8706	8707	8708	8709	8710
ADI-55953	8802	8803	8804	8805	8806	8807	8808	8809	8810
ADI-55954	8902	8903	8904	8905	8906	8907	8908	8909	8910
ADI-55955	9002	9003	9004	9005	9006	9007	9008	9009	9010
ADI-55956	9102	9103	9104	9105	9106	9107	9108	9109	9110
ADI-55957	9202	9203	9204	9205	9206	9207	9208	9209	9210
ADI-55958	9302	9303	9304	9305	9306	9307	9308	9309	9310
ADI-55959	9402	9403	9404	9405	9406	9407	9408	9409	9410
ADI-55960	9502	9503	9504	9505	9506	9507	9508	9509	9510
ADI-55961	9602	9603	9604	9605	9606	9607	9608	9609	9610
ADI-55962	9702	9703	9704	9705	9706	9707	9708	9709	9710
ADI-55963	9802	9803	9804	9805	9806	9807	9808	9809	9810
ADI-55964	9902	9903	9904	9905	9906	9907	9908	9909	9910
ADI-55965	10002	10003	10004	10005	10006	10007	10008	10009	10010

FIG. 1D

ADI ID	VH	VH FR1	VH CDR1	VH FR2	VH CDR2	VH FR3	VH CDR3	VH FR4	VH
	Protein SEQ ID NO:	Protein SEQ ID NO:	Protein SEQ ID NO:	Protein SEQ ID NO:	Protein SEQ ID NO:	Protein SEQ ID NO:	Protein SEQ ID NO:	Protein SEQ ID NO:	DNA SEQ ID NO:
ADI-55966	10102	10103	10104	10105	10106	10107	10108	10109	10110
ADI-55967	10202	10203	10204	10205	10206	10207	10208	10209	10210
ADI-55968	10302	10303	10304	10305	10306	10307	10308	10309	10310
ADI-55969	10402	10403	10404	10405	10406	10407	10408	10409	10410
ADI-55970	10502	10503	10504	10505	10506	10507	10508	10509	10510
ADI-55972	10602	10603	10604	10605	10606	10607	10608	10609	10610
ADI-55973	10702	10703	10704	10705	10706	10707	10708	10709	10710
ADI-55974	10802	10803	10804	10805	10806	10807	10808	10809	10810
ADI-55975	10902	10903	10904	10905	10906	10907	10908	10909	10910
ADI-55976	11002	11003	11004	11005	11006	11007	11008	11009	11010
ADI-55977	11102	11103	11104	11105	11106	11107	11108	11109	11110
ADI-55978	11202	11203	11204	11205	11206	11207	11208	11209	11210
ADI-55979	11302	11303	11304	11305	11306	11307	11308	11309	11310
ADI-55980	11402	11403	11404	11405	11406	11407	11408	11409	11410
ADI-55981	11502	11503	11504	11505	11506	11507	11508	11509	11510
ADI-55982	11602	11603	11604	11605	11606	11607	11608	11609	11610
ADI-55984	11702	11703	11704	11705	11706	11707	11708	11709	11710
ADI-55986	11802	11803	11804	11805	11806	11807	11808	11809	11810
ADI-55988	11902	11903	11904	11905	11906	11907	11908	11909	11910
ADI-55989	12002	12003	12004	12005	12006	12007	12008	12009	12010
ADI-55990	12102	12103	12104	12105	12106	12107	12108	12109	12110
ADI-55992	12202	12203	12204	12205	12206	12207	12208	12209	12210
ADI-55993	12302	12303	12304	12305	12306	12307	12308	12309	12310
ADI-55994	12402	12403	12404	12405	12406	12407	12408	12409	12410
ADI-55995	12502	12503	12504	12505	12506	12507	12508	12509	12510

FIG. 1E

ADI ID	VH Protein SEQ ID NO.	VH FR1 Protein SEQ ID NO.	VH CDR1 Protein SEQ ID NO.	VH FR2 Protein SEQ ID NO.	VH CDR2 Protein SEQ ID NO.	VH FR3 Protein SEQ ID NO.	VH CDR3 Protein SEQ ID NO.	VH FR4 Protein SEQ ID NO.	VH DNA SEQ ID NO.
ADI-55996	12602	12603	12604	12605	12606	12607	12608	12609	12610
ADI-55997	12702	12703	12704	12705	12706	12707	12708	12709	12710
ADI-55998	12802	12803	12804	12805	12806	12807	12808	12809	12810
ADI-55999	12902	12903	12904	12905	12906	12907	12908	12909	12910
ADI-56000	13002	13003	13004	13005	13006	13007	13008	13009	13010
ADI-56001	13102	13103	13104	13105	13106	13107	13108	13109	13110
ADI-56002	13202	13203	13204	13205	13206	13207	13208	13209	13210
ADI-56003	13302	13303	13304	13305	13306	13307	13308	13309	13310
ADI-56004	13402	13403	13404	13405	13406	13407	13408	13409	13410
ADI-56005	13502	13503	13504	13505	13506	13507	13508	13509	13510
ADI-56006	13602	13603	13604	13605	13606	13607	13608	13609	13610
ADI-56007	13702	13703	13704	13705	13706	13707	13708	13709	13710
ADI-56008	13802	13803	13804	13805	13806	13807	13808	13809	13810
ADI-56009	13902	13903	13904	13905	13906	13907	13908	13909	13910
ADI-56010	14002	14003	14004	14005	14006	14007	14008	14009	14010
ADI-56011	14102	14103	14104	14105	14106	14107	14108	14109	14110
ADI-56012	14202	14203	14204	14205	14206	14207	14208	14209	14210
ADI-56013	14302	14303	14304	14305	14306	14307	14308	14309	14310
ADI-56014	14402	14403	14404	14405	14406	14407	14408	14409	14410
ADI-56015	14502	14503	14504	14505	14506	14507	14508	14509	14510
ADI-56016	14602	14603	14604	14605	14606	14607	14608	14609	14610
ADI-56017	14702	14703	14704	14705	14706	14707	14708	14709	14710
ADI-56018	14802	14803	14804	14805	14806	14807	14808	14809	14810
ADI-56019	14902	14903	14904	14905	14906	14907	14908	14909	14910
ADI-56020	15002	15003	15004	15005	15006	15007	15008	15009	15010

FIG. 1F

ADI ID	VH		VH FR1		VH CDR1		VH FR2		VH CDR2		VH FR3		VH CDR3		VH FR4		VH	
	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	DNA	SEQ ID NO.
ADI-56021		15102		15103		15104		15105		15106		15107		15108		15109		15110
ADI-56022		15202		15203		15204		15205		15206		15207		15208		15209		15210
ADI-56023		15302		15303		15304		15305		15306		15307		15308		15309		15310
ADI-56024		15402		15403		15404		15405		15406		15407		15408		15409		15410
ADI-56025		15502		15503		15504		15505		15506		15507		15508		15509		15510
ADI-56026		15602		15603		15604		15605		15606		15607		15608		15609		15610
ADI-56027		15702		15703		15704		15705		15706		15707		15708		15709		15710
ADI-56028		15802		15803		15804		15805		15806		15807		15808		15809		15810
ADI-56029		15902		15903		15904		15905		15906		15907		15908		15909		15910
ADI-56030		16002		16003		16004		16005		16006		16007		16008		16009		16010
ADI-56031		16102		16103		16104		16105		16106		16107		16108		16109		16110
ADI-56032		16202		16203		16204		16205		16206		16207		16208		16209		16210
ADI-56033		16302		16303		16304		16305		16306		16307		16308		16309		16310
ADI-56034		16402		16403		16404		16405		16406		16407		16408		16409		16410
ADI-56035		16502		16503		16504		16505		16506		16507		16508		16509		16510
ADI-56037		16602		16603		16604		16605		16606		16607		16608		16609		16610
ADI-56038		16702		16703		16704		16705		16706		16707		16708		16709		16710
ADI-56039		16802		16803		16804		16805		16806		16807		16808		16809		16810
ADI-56040		16902		16903		16904		16905		16906		16907		16908		16909		16910
ADI-56041		17002		17003		17004		17005		17006		17007		17008		17009		17010
ADI-56042		17102		17103		17104		17105		17106		17107		17108		17109		17110
ADI-56043		17202		17203		17204		17205		17206		17207		17208		17209		17210
ADI-56044		17302		17303		17304		17305		17306		17307		17308		17309		17310
ADI-56045		17402		17403		17404		17405		17406		17407		17408		17409		17410
ADI-56046		17502		17503		17504		17505		17506		17507		17508		17509		17510

FIG. 1G

ADI ID	VH Protein SEQ ID NO.	VH FR1 Protein SEQ ID NO.	VH CDR1 Protein SEQ ID NO.	VH FR2 Protein SEQ ID NO.	VH CDR2 Protein SEQ ID NO.	VH FR3 Protein SEQ ID NO.	VH CDR3 Protein SEQ ID NO.	VH FR4 Protein SEQ ID NO.	VH DNA SEQ ID NO.
ADI-56047	17602	17603	17604	17605	17606	17607	17608	17609	17610
ADI-56048	17702	17703	17704	17705	17706	17707	17708	17709	17710
ADI-56049	17802	17803	17804	17805	17806	17807	17808	17809	17810
ADI-56050	17902	17903	17904	17905	17906	17907	17908	17909	17910
ADI-56051	18002	18003	18004	18005	18006	18007	18008	18009	18010
ADI-56052	18102	18103	18104	18105	18106	18107	18108	18109	18110
ADI-56053	18202	18203	18204	18205	18206	18207	18208	18209	18210
ADI-56054	18302	18303	18304	18305	18306	18307	18308	18309	18310
ADI-56055	18402	18403	18404	18405	18406	18407	18408	18409	18410
ADI-56056	18502	18503	18504	18505	18506	18507	18508	18509	18510
ADI-56057	18602	18603	18604	18605	18606	18607	18608	18609	18610
ADI-56058	18702	18703	18704	18705	18706	18707	18708	18709	18710
ADI-56059	18802	18803	18804	18805	18806	18807	18808	18809	18810
ADI-56061	18902	18903	18904	18905	18906	18907	18908	18909	18910
ADI-56062	19002	19003	19004	19005	19006	19007	19008	19009	19010
ADI-56063	19102	19103	19104	19105	19106	19107	19108	19109	19110
ADI-56064	19202	19203	19204	19205	19206	19207	19208	19209	19210
ADI-56065	19302	19303	19304	19305	19306	19307	19308	19309	19310
ADI-56066	19402	19403	19404	19405	19406	19407	19408	19409	19410
ADI-56067	19502	19503	19504	19505	19506	19507	19508	19509	19510
ADI-56068	19602	19603	19604	19605	19606	19607	19608	19609	19610
ADI-56069	19702	19703	19704	19705	19706	19707	19708	19709	19710
ADI-56070	19802	19803	19804	19805	19806	19807	19808	19809	19810
ADI-56071	19902	19903	19904	19905	19906	19907	19908	19909	19910
ADI-56072	20002	20003	20004	20005	20006	20007	20008	20009	20010

FIG. 1H

ADI ID	VH		VH FR1		VH CDR1		VH FR2		VH CDR2		VH FR3		VH CDR3		VH FR4		VH	
	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	Protein	SEQ ID NO.	DNA	SEQ ID NO.
ADI-56073		20102		20103		20104		20105		20106		20107		20108		20109		20110
ADI-56074		20202		20203		20204		20205		20206		20207		20208		20209		20210
ADI-56075		20302		20303		20304		20305		20306		20307		20308		20309		20310
ADI-56076		20402		20403		20404		20405		20406		20407		20408		20409		20410
ADI-56078		20502		20503		20504		20505		20506		20507		20508		20509		20510
ADI-56079		20602		20603		20604		20605		20606		20607		20608		20609		20610
ADI-56080		20702		20703		20704		20705		20706		20707		20708		20709		20710
ADI-56081		20802		20803		20804		20805		20806		20807		20808		20809		20810
ADI-56082		20902		20903		20904		20905		20906		20907		20908		20909		20910
ADI-56083		21002		21003		21004		21005		21006		21007		21008		21009		21010
ADI-56084		21102		21103		21104		21105		21106		21107		21108		21109		21110

FIG. 11

ADI ID	VL Protein SEQ ID NO	VL FR1 Protein SEQ ID NO	VL CDR1 Protein SEQ ID NO	VL FR2 Protein SEQ ID NO	VL CDR2 Protein SEQ ID NO	VL FR3 Protein SEQ ID NO	VL CDR3 Protein SEQ ID NO	VL FR4 Protein SEQ ID NO	VL DNA SEQ ID NO
ADI-55688	112	113	114	115	116	117	118	119	120
ADI-55689	212	213	214	215	216	217	218	219	220
ADI-55690	312	313	314	315	316	317	318	319	320
ADI-55691	412	413	414	415	416	417	418	419	420
ADI-55692	512	513	514	515	516	517	518	519	520
ADI-55693	612	613	614	615	616	617	618	619	620
ADI-55694	712	713	714	715	716	717	718	719	720
ADI-55695	812	813	814	815	816	817	818	819	820
ADI-55696	912	913	914	915	916	917	918	919	920
ADI-55697	1012	1013	1014	1015	1016	1017	1018	1019	1020
ADI-55698	1112	1113	1114	1115	1116	1117	1118	1119	1120
ADI-55699	1212	1213	1214	1215	1216	1217	1218	1219	1220
ADI-55700	1312	1313	1314	1315	1316	1317	1318	1319	1320
ADI-55701	1412	1413	1414	1415	1416	1417	1418	1419	1420
ADI-55702	1512	1513	1514	1515	1516	1517	1518	1519	1520
ADI-55703	1612	1613	1614	1615	1616	1617	1618	1619	1620
ADI-55704	1712	1713	1714	1715	1716	1717	1718	1719	1720
ADI-55705	1812	1813	1814	1815	1816	1817	1818	1819	1820
ADI-55706	1912	1913	1914	1915	1916	1917	1918	1919	1920
ADI-55707	2012	2013	2014	2015	2016	2017	2018	2019	2020
ADI-55708	2112	2113	2114	2115	2116	2117	2118	2119	2120
ADI-55709	2212	2213	2214	2215	2216	2217	2218	2219	2220
ADI-55710	2312	2313	2314	2315	2316	2317	2318	2319	2320
ADI-55711	2412	2413	2414	2415	2416	2417	2418	2419	2420
ADI-55712	2512	2513	2514	2515	2516	2517	2518	2519	2520

FIG. 2A

ADI ID	VL Protein SEQ ID NO	VL FR1 Protein SEQ ID NO	VL CDR1 Protein SEQ ID NO	VL FR2 Protein SEQ ID NO	VL CDR2 Protein SEQ ID NO	VL FR3 Protein SEQ ID NO	VL CDR3 Protein SEQ ID NO	VL FR4 Protein SEQ ID NO	VL DNA SEQ ID NO
ADI-55713	2612	2613	2614	2615	2616	2617	2618	2619	2620
ADI-55714	2712	2713	2714	2715	2716	2717	2718	2719	2720
ADI-55715	2812	2813	2814	2815	2816	2817	2818	2819	2820
ADI-55716	2912	2913	2914	2915	2916	2917	2918	2919	2920
ADI-55717	3012	3013	3014	3015	3016	3017	3018	3019	3020
ADI-55718	3112	3113	3114	3115	3116	3117	3118	3119	3120
ADI-55719	3212	3213	3214	3215	3216	3217	3218	3219	3220
ADI-55721	3312	3313	3314	3315	3316	3317	3318	3319	3320
ADI-55722	3412	3413	3414	3415	3416	3417	3418	3419	3420
ADI-55723	3512	3513	3514	3515	3516	3517	3518	3519	3520
ADI-55724	3612	3613	3614	3615	3616	3617	3618	3619	3620
ADI-55725	3712	3713	3714	3715	3716	3717	3718	3719	3720
ADI-55726	3812	3813	3814	3815	3816	3817	3818	3819	3820
ADI-55727	3912	3913	3914	3915	3916	3917	3918	3919	3920
ADI-55728	4012	4013	4014	4015	4016	4017	4018	4019	4020
ADI-55729	4112	4113	4114	4115	4116	4117	4118	4119	4120
ADI-55730	4212	4213	4214	4215	4216	4217	4218	4219	4220
ADI-55731	4312	4313	4314	4315	4316	4317	4318	4319	4320
ADI-55732	4412	4413	4414	4415	4416	4417	4418	4419	4420
ADI-55733	4512	4513	4514	4515	4516	4517	4518	4519	4520
ADI-55734	4612	4613	4614	4615	4616	4617	4618	4619	4620
ADI-55735	4712	4713	4714	4715	4716	4717	4718	4719	4720
ADI-55736	4812	4813	4814	4815	4816	4817	4818	4819	4820
ADI-55737	4912	4913	4914	4915	4916	4917	4918	4919	4920
ADI-55738	5012	5013	5014	5015	5016	5017	5018	5019	5020

FIG. 2B

ADI ID	VL Protein SEQ ID NO.	VL FR1 Protein SEQ ID NO.	VL CDR1 Protein SEQ ID NO.	VL FR2 Protein SEQ ID NO.	VL CDR2 Protein SEQ ID NO.	VL FR3 Protein SEQ ID NO.	VL CDR3 Protein SEQ ID NO.	VL FR4 Protein SEQ ID NO.	VL DNA SEQ ID NO.
ADI-55739	5112	5113	5114	5115	5116	5117	5118	5119	5120
ADI-55740	5212	5213	5214	5215	5216	5217	5218	5219	5220
ADI-55741	5312	5313	5314	5315	5316	5317	5318	5319	5320
ADI-55742	5412	5413	5414	5415	5416	5417	5418	5419	5420
ADI-55743	5512	5513	5514	5515	5516	5517	5518	5519	5520
ADI-55744	5612	5613	5614	5615	5616	5617	5618	5619	5620
ADI-55745	5712	5713	5714	5715	5716	5717	5718	5719	5720
ADI-55746	5812	5813	5814	5815	5816	5817	5818	5819	5820
ADI-55747	5912	5913	5914	5915	5916	5917	5918	5919	5920
ADI-55748	6012	6013	6014	6015	6016	6017	6018	6019	6020
ADI-55749	6112	6113	6114	6115	6116	6117	6118	6119	6120
ADI-55750	6212	6213	6214	6215	6216	6217	6218	6219	6220
ADI-55751	6312	6313	6314	6315	6316	6317	6318	6319	6320
ADI-55752	6412	6413	6414	6415	6416	6417	6418	6419	6420
ADI-55753	6512	6513	6514	6515	6516	6517	6518	6519	6520
ADI-55754	6612	6613	6614	6615	6616	6617	6618	6619	6620
ADI-55755	6712	6713	6714	6715	6716	6717	6718	6719	6720
ADI-55756	6812	6813	6814	6815	6816	6817	6818	6819	6820
ADI-55757	6912	6913	6914	6915	6916	6917	6918	6919	6920
ADI-55758	7012	7013	7014	7015	7016	7017	7018	7019	7020
ADI-55720	7112	7113	7114	7115	7116	7117	7118	7119	7120
ADI-55760	7212	7213	7214	7215	7216	7217	7218	7219	7220
ADI-55761	7312	7313	7314	7315	7316	7317	7318	7319	7320
ADI-55762	7412	7413	7414	7415	7416	7417	7418	7419	7420
ADI-55763	7512	7513	7514	7515	7516	7517	7518	7519	7520

FIG. 2C

ADI ID	VL Protein SEQ ID NO.	VL FR1 Protein SEQ ID NO.	VL CDR1 Protein SEQ ID NO.	VL FR2 Protein SEQ ID NO.	VL CDR2 Protein SEQ ID NO.	VL FR3 Protein SEQ ID NO.	VL CDR3 Protein SEQ ID NO.	VL FR4 Protein SEQ ID NO.	VL DNA SEQ ID NO.
ADI-55765	7612	7613	7614	7615	7616	7617	7618	7619	7620
ADI-55766	7712	7713	7714	7715	7716	7717	7718	7719	7720
ADI-55767	7812	7813	7814	7815	7816	7817	7818	7819	7820
ADI-55769	7912	7913	7914	7915	7916	7917	7918	7919	7920
ADI-55770	8012	8013	8014	8015	8016	8017	8018	8019	8020
ADI-55771	8112	8113	8114	8115	8116	8117	8118	8119	8120
ADI-55775	8212	8213	8214	8215	8216	8217	8218	8219	8220
ADI-55776	8312	8313	8314	8315	8316	8317	8318	8319	8320
ADI-55777	8412	8413	8414	8415	8416	8417	8418	8419	8420
ADI-55950	8512	8513	8514	8515	8516	8517	8518	8519	8520
ADI-55951	8612	8613	8614	8615	8616	8617	8618	8619	8620
ADI-55952	8712	8713	8714	8715	8716	8717	8718	8719	8720
ADI-55953	8812	8813	8814	8815	8816	8817	8818	8819	8820
ADI-55954	8912	8913	8914	8915	8916	8917	8918	8919	8920
ADI-55955	9012	9013	9014	9015	9016	9017	9018	9019	9020
ADI-55956	9112	9113	9114	9115	9116	9117	9118	9119	9120
ADI-55957	9212	9213	9214	9215	9216	9217	9218	9219	9220
ADI-55958	9312	9313	9314	9315	9316	9317	9318	9319	9320
ADI-55959	9412	9413	9414	9415	9416	9417	9418	9419	9420
ADI-55960	9512	9513	9514	9515	9516	9517	9518	9519	9520
ADI-55961	9612	9613	9614	9615	9616	9617	9618	9619	9620
ADI-55962	9712	9713	9714	9715	9716	9717	9718	9719	9720
ADI-55963	9812	9813	9814	9815	9816	9817	9818	9819	9820
ADI-55964	9912	9913	9914	9915	9916	9917	9918	9919	9920
ADI-55965	10012	10013	10014	10015	10016	10017	10018	10019	10020

FIG. 2D

ADI ID	VL Protein SEQ ID NO.	VL FR1 Protein SEQ ID NO.	VL CDR1 Protein SEQ ID NO.	VL FR2 Protein SEQ ID NO.	VL CDR2 Protein SEQ ID NO.	VL FR3 Protein SEQ ID NO.	VL CDR3 Protein SEQ ID NO.	VL FR4 Protein SEQ ID NO.	VL DNA SEQ ID NO.
ADI-55966	10112	10113	10114	10115	10116	10117	10118	10119	10120
ADI-55967	10212	10213	10214	10215	10216	10217	10218	10219	10220
ADI-55968	10312	10313	10314	10315	10316	10317	10318	10319	10320
ADI-55969	10412	10413	10414	10415	10416	10417	10418	10419	10420
ADI-55970	10512	10513	10514	10515	10516	10517	10518	10519	10520
ADI-55972	10612	10613	10614	10615	10616	10617	10618	10619	10620
ADI-55973	10712	10713	10714	10715	10716	10717	10718	10719	10720
ADI-55974	10812	10813	10814	10815	10816	10817	10818	10819	10820
ADI-55975	10912	10913	10914	10915	10916	10917	10918	10919	10920
ADI-55976	11012	11013	11014	11015	11016	11017	11018	11019	11020
ADI-55977	11112	11113	11114	11115	11116	11117	11118	11119	11120
ADI-55978	11212	11213	11214	11215	11216	11217	11218	11219	11220
ADI-55979	11312	11313	11314	11315	11316	11317	11318	11319	11320
ADI-55980	11412	11413	11414	11415	11416	11417	11418	11419	11420
ADI-55981	11512	11513	11514	11515	11516	11517	11518	11519	11520
ADI-55982	11612	11613	11614	11615	11616	11617	11618	11619	11620
ADI-55984	11712	11713	11714	11715	11716	11717	11718	11719	11720
ADI-55986	11812	11813	11814	11815	11816	11817	11818	11819	11820
ADI-55988	11912	11913	11914	11915	11916	11917	11918	11919	11920
ADI-55989	12012	12013	12014	12015	12016	12017	12018	12019	12020
ADI-55990	12112	12113	12114	12115	12116	12117	12118	12119	12120
ADI-55992	12212	12213	12214	12215	12216	12217	12218	12219	12220
ADI-55993	12312	12313	12314	12315	12316	12317	12318	12319	12320
ADI-55994	12412	12413	12414	12415	12416	12417	12418	12419	12420
ADI-55995	12512	12513	12514	12515	12516	12517	12518	12519	12520

FIG. 2E

ADI ID	VL Protein SEQ ID NO	VL FR1 Protein SEQ ID NO	VL CDR1 Protein SEQ ID NO	VL FR2 Protein SEQ ID NO	VL CDR2 Protein SEQ ID NO	VL FR3 Protein SEQ ID NO	VL CDR3 Protein SEQ ID NO	VL FR4 Protein SEQ ID NO	VL DNA SEQ ID NO
ADI-55996	12612	12613	12614	12615	12616	12617	12618	12619	12620
ADI-55997	12712	12713	12714	12715	12716	12717	12718	12719	12720
ADI-55998	12812	12813	12814	12815	12816	12817	12818	12819	12820
ADI-55999	12912	12913	12914	12915	12916	12917	12918	12919	12920
ADI-56000	13012	13013	13014	13015	13016	13017	13018	13019	13020
ADI-56001	13112	13113	13114	13115	13116	13117	13118	13119	13120
ADI-56002	13212	13213	13214	13215	13216	13217	13218	13219	13220
ADI-56003	13312	13313	13314	13315	13316	13317	13318	13319	13320
ADI-56004	13412	13413	13414	13415	13416	13417	13418	13419	13420
ADI-56005	13512	13513	13514	13515	13516	13517	13518	13519	13520
ADI-56006	13612	13613	13614	13615	13616	13617	13618	13619	13620
ADI-56007	13712	13713	13714	13715	13716	13717	13718	13719	13720
ADI-56008	13812	13813	13814	13815	13816	13817	13818	13819	13820
ADI-56009	13912	13913	13914	13915	13916	13917	13918	13919	13920
ADI-56010	14012	14013	14014	14015	14016	14017	14018	14019	14020
ADI-56011	14112	14113	14114	14115	14116	14117	14118	14119	14120
ADI-56012	14212	14213	14214	14215	14216	14217	14218	14219	14220
ADI-56013	14312	14313	14314	14315	14316	14317	14318	14319	14320
ADI-56014	14412	14413	14414	14415	14416	14417	14418	14419	14420
ADI-56015	14512	14513	14514	14515	14516	14517	14518	14519	14520
ADI-56016	14612	14613	14614	14615	14616	14617	14618	14619	14620
ADI-56017	14712	14713	14714	14715	14716	14717	14718	14719	14720
ADI-56018	14812	14813	14814	14815	14816	14817	14818	14819	14820
ADI-56019	14912	14913	14914	14915	14916	14917	14918	14919	14920
ADI-56020	15012	15013	15014	15015	15016	15017	15018	15019	15020

FIG. 2F

ADI ID	VL Protein SEQ ID NO.	VL FR1 Protein SEQ ID NO.	VL CDR1 Protein SEQ ID NO.	VL FR2 Protein SEQ ID NO.	VL CDR2 Protein SEQ ID NO.	VL FR3 Protein SEQ ID NO.	VL CDR3 Protein SEQ ID NO.	VL FR4 Protein SEQ ID NO.	VL DNA SEQ ID NO.
ADI-56021	15112	15113	15114	15115	15116	15117	15118	15119	15120
ADI-56022	15212	15213	15214	15215	15216	15217	15218	15219	15220
ADI-56023	15312	15313	15314	15315	15316	15317	15318	15319	15320
ADI-56024	15412	15413	15414	15415	15416	15417	15418	15419	15420
ADI-56025	15512	15513	15514	15515	15516	15517	15518	15519	15520
ADI-56026	15612	15613	15614	15615	15616	15617	15618	15619	15620
ADI-56027	15712	15713	15714	15715	15716	15717	15718	15719	15720
ADI-56028	15812	15813	15814	15815	15816	15817	15818	15819	15820
ADI-56029	15912	15913	15914	15915	15916	15917	15918	15919	15920
ADI-56030	16012	16013	16014	16015	16016	16017	16018	16019	16020
ADI-56031	16112	16113	16114	16115	16116	16117	16118	16119	16120
ADI-56032	16212	16213	16214	16215	16216	16217	16218	16219	16220
ADI-56033	16312	16313	16314	16315	16316	16317	16318	16319	16320
ADI-56034	16412	16413	16414	16415	16416	16417	16418	16419	16420
ADI-56035	16512	16513	16514	16515	16516	16517	16518	16519	16520
ADI-56037	16612	16613	16614	16615	16616	16617	16618	16619	16620
ADI-56038	16712	16713	16714	16715	16716	16717	16718	16719	16720
ADI-56039	16812	16813	16814	16815	16816	16817	16818	16819	16820
ADI-56040	16912	16913	16914	16915	16916	16917	16918	16919	16920
ADI-56041	17012	17013	17014	17015	17016	17017	17018	17019	17020
ADI-56042	17112	17113	17114	17115	17116	17117	17118	17119	17120
ADI-56043	17212	17213	17214	17215	17216	17217	17218	17219	17220
ADI-56044	17312	17313	17314	17315	17316	17317	17318	17319	17320
ADI-56045	17412	17413	17414	17415	17416	17417	17418	17419	17420
ADI-56046	17512	17513	17514	17515	17516	17517	17518	17519	17520

FIG. 2G

ADI ID	VL Protein SEQ ID NO.	VL FR1 Protein SEQ ID NO.	VL CDR1 Protein SEQ ID NO.	VL FR2 Protein SEQ ID NO.	VL CDR2 Protein SEQ ID NO.	VL FR3 Protein SEQ ID NO.	VL CDR3 Protein SEQ ID NO.	VL FR4 Protein SEQ ID NO.	VL DNA SEQ ID NO.
ADI-56047	17612	17613	17614	17615	17616	17617	17618	17619	17620
ADI-56048	17712	17713	17714	17715	17716	17717	17718	17719	17720
ADI-56049	17812	17813	17814	17815	17816	17817	17818	17819	17820
ADI-56050	17912	17913	17914	17915	17916	17917	17918	17919	17920
ADI-56051	18012	18013	18014	18015	18016	18017	18018	18019	18020
ADI-56052	18112	18113	18114	18115	18116	18117	18118	18119	18120
ADI-56053	18212	18213	18214	18215	18216	18217	18218	18219	18220
ADI-56054	18312	18313	18314	18315	18316	18317	18318	18319	18320
ADI-56055	18412	18413	18414	18415	18416	18417	18418	18419	18420
ADI-56056	18512	18513	18514	18515	18516	18517	18518	18519	18520
ADI-56057	18612	18613	18614	18615	18616	18617	18618	18619	18620
ADI-56058	18712	18713	18714	18715	18716	18717	18718	18719	18720
ADI-56059	18812	18813	18814	18815	18816	18817	18818	18819	18820
ADI-56061	18912	18913	18914	18915	18916	18917	18918	18919	18920
ADI-56062	19012	19013	19014	19015	19016	19017	19018	19019	19020
ADI-56063	19112	19113	19114	19115	19116	19117	19118	19119	19120
ADI-56064	19212	19213	19214	19215	19216	19217	19218	19219	19220
ADI-56065	19312	19313	19314	19315	19316	19317	19318	19319	19320
ADI-56066	19412	19413	19414	19415	19416	19417	19418	19419	19420
ADI-56067	19512	19513	19514	19515	19516	19517	19518	19519	19520
ADI-56068	19612	19613	19614	19615	19616	19617	19618	19619	19620
ADI-56069	19712	19713	19714	19715	19716	19717	19718	19719	19720
ADI-56070	19812	19813	19814	19815	19816	19817	19818	19819	19820
ADI-56071	19912	19913	19914	19915	19916	19917	19918	19919	19920
ADI-56072	20012	20013	20014	20015	20016	20017	20018	20019	20020

FIG. 2H

ADI ID	VL Protein SEQ ID NO.	VL FR1 Protein SEQ ID NO.	VL CDR1 Protein SEQ ID NO.	VL FR2 Protein SEQ ID NO.	VL CDR2 Protein SEQ ID NO.	VL FR3 Protein SEQ ID NO.	VL CDR3 Protein SEQ ID NO.	VL FR4 Protein SEQ ID NO.	VL DNA SEQ ID NO.
ADI-56073	20112	20113	20114	20115	20116	20117	20118	20119	20120
ADI-56074	20212	20213	20214	20215	20216	20217	20218	20219	20220
ADI-56075	20312	20313	20314	20315	20316	20317	20318	20319	20320
ADI-56076	20412	20413	20414	20415	20416	20417	20418	20419	20420
ADI-56078	20512	20513	20514	20515	20516	20517	20518	20519	20520
ADI-56079	20612	20613	20614	20615	20616	20617	20618	20619	20620
ADI-56080	20712	20713	20714	20715	20716	20717	20718	20719	20720
ADI-56081	20812	20813	20814	20815	20816	20817	20818	20819	20820
ADI-56082	20912	20913	20914	20915	20916	20917	20918	20919	20920
ADI-56083	21012	21013	21014	21015	21016	21017	21018	21019	21020
ADI-56084	21112	21113	21114	21115	21116	21117	21118	21119	21120

FIG. 2I

ADI ID	VH Germline Origin	VL Germline Origin
ADI-55688	IGHV3-21	IGLV1-40
ADI-55689	IGHV3-64D	IGKV3-11
ADI-55690	IGHV4-39	IGKV1D-39
ADI-55691	IGHV3-21	IGLV1-40
ADI-55692	IGHV3-49	IGKV1D-39
ADI-55693	IGHV3-21	IGLV1-40
ADI-55694	IGHV1-8	IGKV1D-39
ADI-55695	IGHV3-53	IGKV3D-15
ADI-55696	IGHV1-69	IGKV2-30
ADI-55697	IGHV1-8	IGKV1D-39
ADI-55698	IGHV3-53	IGKV3D-15
ADI-55699	IGHV3-30	IGKV1-33
ADI-55700	IGHV1-69	IGKV2-30
ADI-55701	IGHV1-69	IGKV2-30
ADI-55702	IGHV1-69	IGKV2-30
ADI-55703	IGHV3-30	IGKV4-1
ADI-55704	IGHV1-69	IGKV2-30
ADI-55705	IGHV1-69	IGKV2-30
ADI-55706	IGHV1-69	IGKV2-30
ADI-55707	IGHV4-34	IGLV2-23
ADI-55708	IGHV4-34	IGLV1-51
ADI-55709	IGHV4-34	IGLV1-51
ADI-55710	IGHV4-61	IGLV1-40
ADI-55711	IGHV3-23	IGLV1-40
ADI-55712	IGHV1-69	IGKV2-30

ADI ID	VH Germline Origin	VL Germline Origin
ADI-55713	IGHV4-61	IGLV1-40
ADI-55714	IGHV3-53	IGKV3D-15
ADI-55715	IGHV1-69	IGKV2-30
ADI-55716	IGHV4-4	IGKV3-20
ADI-55717	IGHV1-69	IGKV2-30
ADI-55718	IGHV4-4	IGKV3-20
ADI-55719	IGHV4-34	IGLV1-51
ADI-55721	IGHV1-69	IGKV2-30
ADI-55722	IGHV3-11	IGKV3-20
ADI-55723	IGHV1-69	IGKV2-30
ADI-55724	IGHV1-69	IGKV3-11
ADI-55725	IGHV1-69	IGKV2-30
ADI-55726	IGHV1-69	IGKV2-30
ADI-55727	IGHV1-2	IGLV6-57
ADI-55728	IGHV1-69	IGKV2-30
ADI-55729	IGHV1-69	IGKV2-30
ADI-55730	IGHV4-4	IGKV3-20
ADI-55731	IGHV1-69	IGKV2-30
ADI-55732	IGHV1-69	IGKV3-11
ADI-55733	IGHV3-49	IGKV3-11
ADI-55734	IGHV3-33	IGLV7-46
ADI-55735	IGHV3-30	IGKV1-27
ADI-55736	IGHV1-69	IGKV2-30
ADI-55737	IGHV3-64D	IGKV1-12
ADI-55738	IGHV3-30	IGKV3-11

FIG. 3A

ADI ID	VH Germline Origin	VL Germline Origin
ADI-55739	IGHV1-69	IGKV2-30
ADI-55740	IGHV3-30	IGKV3-11
ADI-55741	IGHV1-69	IGKV2-30
ADI-55742	IGHV1-69	IGKV2-30
ADI-55743	IGHV1-69	IGKV2-30
ADI-55744	IGHV1-69	IGKV2-30
ADI-55745	IGHV1-69	IGKV2-30
ADI-55746	IGHV3-7	IGLV2-14
ADI-55747	IGHV1-69	IGKV2-30
ADI-55748	IGHV1-69	IGKV2-30
ADI-55749	IGHV3-64D	IGKV1D-39
ADI-55750	IGHV3-23	IGKV4-1
ADI-55751	IGHV4-34	IGLV2-23
ADI-55752	IGHV3-11	IGKV3-20
ADI-55753	IGHV3-30-3	IGKV3-11
ADI-55754	IGHV3-64D	IGKV1D-39
ADI-55755	IGHV5-51	IGKV1-5
ADI-55756	IGHV3-48	IGLV2-11
ADI-55757	IGHV2-5	IGLV1-36
ADI-55758	IGHV3-23	IGKV2-30
ADI-55720	IGHV3-23	N/A
ADI-55760	IGHV4-4	IGKV3-20
ADI-55761	IGHV1-69	IGKV3-11
ADI-55762	IGHV4-4	IGLV3-10
ADI-55763	IGHV4-4	IGLV3-10

ADI ID	VH Germline Origin	VL Germline Origin
ADI-55765	IGHV4-4	IGLV3-10
ADI-55766	IGHV3-74	IGLV5-45
ADI-55767	IGHV3-23	IGKV2-30
ADI-55769	IGHV3-9	IGKV2D-29
ADI-55770	IGHV3-64D	IGKV3D-15
ADI-55771	IGHV3-48	IGKV1-16
ADI-55775	IGHV4-59	IGLV1-51
ADI-55776	IGHV1-46	IGKV2D-29
ADI-55777	IGHV4-34	IGKV4-1
ADI-55950	IGHV1-69	IGKV2-30
ADI-55951	IGHV1-18	IGKV4-1
ADI-55952	IGHV1-69	IGKV2-30
ADI-55953	IGHV1-69	IGKV2-30
ADI-55954	IGHV1-69	IGKV2-30
ADI-55955	IGHV4-4	IGLV2-14
ADI-55956	IGHV3-30	IGKV1-5
ADI-55957	IGHV1-69	IGKV2-30
ADI-55958	IGHV4-4	IGKV1-9
ADI-55959	IGHV3-30-3	IGKV3-11
ADI-55960	IGHV4-59	IGLV2-14
ADI-55961	IGHV1-69	IGKV2-30
ADI-55962	IGHV3-48	IGLV2-11
ADI-55963	IGHV1-46	IGKV4-1
ADI-55964	IGHV3-23	IGLV2-14
ADI-55965	IGHV4-61	IGKV3D-15

FIG. 3B

ADI ID	VH Germline Origin	VL Germline Origin
ADI-55966	IGHV1-69	IGKV2-30
ADI-55967	IGHV1-69	IGKV2-30
ADI-55968	IGHV1-69	IGKV2-30
ADI-55969	IGHV3-23	IGKV3D-15
ADI-55970	IGHV1-69	IGKV2-30
ADI-55972	IGHV3-30-3	IGKV3-11
ADI-55973	IGHV4-4	IGLV3-10
ADI-55974	IGHV3-30-3	IGKV3-11
ADI-55975	IGHV1-69	IGKV2-30
ADI-55976	IGHV1-69	IGKV2-30
ADI-55977	IGHV7-4-1	IGKV1D-39
ADI-55978	IGHV4-34	IGLV2-23
ADI-55979	IGHV4-4	IGKV3-20
ADI-55980	IGHV3-30-3	IGKV3-11
ADI-55981	IGHV1-69	IGKV2-30
ADI-55982	IGHV1-69	IGKV2-30
ADI-55984	IGHV1-69	IGKV2-30
ADI-55986	IGHV3-33	IGKV4-1
ADI-55988	IGHV4-4	IGKV3-20
ADI-55989	IGHV5-51	IGLV1-51
ADI-55990	IGHV1-69	IGKV2-30
ADI-55992	IGHV3-23	IGKV1-5
ADI-55993	IGHV1-2	IGKV3-11
ADI-55994	IGHV1-2	IGKV1D-39
ADI-55995	IGHV3-33	IGKV3-11

ADI ID	VH Germline Origin	VL Germline Origin
ADI-55996	IGHV3-33	IGKV3-11
ADI-55997	IGHV4-4	IGLV3-10
ADI-55998	IGHV4-34	IGLV2-23
ADI-55999	IGHV1-46	IGKV4-1
ADI-56000	IGHV1-2	IGKV3-11
ADI-56001	IGHV1-69	IGKV3-11
ADI-56002	IGHV3-11	IGKV3-20
ADI-56003	IGHV1-69	IGLV4-60
ADI-56004	IGHV1-69	IGLV4-60
ADI-56005	IGHV3-48	IGKV1-17
ADI-56006	IGHV1-18	IGKV2D-28
ADI-56007	IGHV4-30-4	IGLV1-44
ADI-56008	IGHV3-9	IGKV1D-39
ADI-56009	IGHV3-48	IGKV3D-15
ADI-56010	IGHV4-39	IGKV1D-39
ADI-56011	IGHV3-49	IGKV3-11
ADI-56012	IGHV1-69	IGLV4-69
ADI-56013	IGHV4-59	IGLV6-57
ADI-56014	IGHV3-48	IGKV3D-15
ADI-56015	IGHV1-69	IGKV2-30
ADI-56016	IGHV3-30-3	IGKV1-5
ADI-56017	IGHV3-7	IGKV3D-15
ADI-56018	IGHV1-69	IGKV2-30
ADI-56019	IGHV1-69	IGKV2-30
ADI-56020	IGHV3-64D	IGKV1D-39

FIG. 3C

ADI ID	VH Germline Origin	VL Germline Origin
ADI-56021	IGHV1-69	IGKV2-30
ADI-56022	IGHV1-69	IGKV2-30
ADI-56023	IGHV3-30-3	IGKV3-11
ADI-56024	IGHV3-11	IGLV2-23
ADI-56025	IGHV3-30-3	IGKV3-11
ADI-56026	IGHV3-30	IGLV2-14
ADI-56027	IGHV1-69	IGKV2-30
ADI-56028	IGHV1-69	IGKV2-30
ADI-56029	IGHV1-69	IGKV2-30
ADI-56030	IGHV1-69	IGKV2-30
ADI-56031	IGHV1-69	IGKV2-30
ADI-56032	IGHV1-2	IGLV3-25
ADI-56033	IGHV3-21	IGKV3-11
ADI-56034	IGHV3-53	IGKV1D-39
ADI-56035	IGHV3-48	IGKV1D-39
ADI-56037	IGHV1-69	IGKV2-30
ADI-56038	IGHV1-69	IGKV2-30
ADI-56039	IGHV3-11	IGKV3-20
ADI-56040	IGHV2-5	IGLV1-36
ADI-56041	IGHV3-30-3	IGKV1-27
ADI-56042	IGHV4-34	IGLV2-14
ADI-56043	IGHV3-30-3	IGLV2-11
ADI-56044	IGHV3-15	IGLV2-18
ADI-56045	IGHV1-69	IGKV2-30
ADI-56046	IGHV3-53	IGLV1-44

ADI ID	VH Germline Origin	VL Germline Origin
ADI-56047	IGHV3-23	IGKV1D-39
ADI-56048	IGHV3-30-3	IGKV1D-16
ADI-56049	IGHV1-69	IGKV2-30
ADI-56050	IGHV1-69	IGKV2-30
ADI-56051	IGHV4-39	IGKV1D-39
ADI-56052	IGHV1-18	IGKV3D-15
ADI-56053	IGHV3-48	IGKV1-16
ADI-56054	IGHV1-18	IGKV1D-39
ADI-56055	IGHV1-69	IGKV2-30
ADI-56056	IGHV1-69	IGKV2-30
ADI-56057	IGHV3-30	IGKV4-1
ADI-56058	IGHV3-11	IGKV1D-39
ADI-56059	IGHV3-30	IGKV3-20
ADI-56061	IGHV1-69	IGKV2-30
ADI-56062	IGHV1-69	IGKV2-30
ADI-56063	IGHV1-69	IGKV2-30
ADI-56064	IGHV1-69	IGKV2-30
ADI-56065	IGHV4-34	IGLV2-14
ADI-56066	IGHV4-34	IGKV3-20
ADI-56067	IGHV1-69	IGKV2-30
ADI-56068	IGHV4-59	IGKV3-11
ADI-56069	IGHV1-69	IGKV2-30
ADI-56070	IGHV4-39	IGLV1-51
ADI-56071	IGHV3-64D	IGKV3-11
ADI-56072	IGHV3-30-3	IGKV1D-16

FIG. 3D

ADI ID	VH Nucleotide Substitutions	VL Nucleotide Substitutions	VH Amino Acid Substitutions	VL Amino Acid Substitutions
ADI-55688	13	3	10	3
ADI-55689	14	12	11	10
ADI-55690	21	9	17	9
ADI-55691	11	1	7	1
ADI-55692	13	9	13	5
ADI-55693				
ADI-55694	8	4	8	4
ADI-55695	26	10	19	10
ADI-55696	23	6	17	5
ADI-55697	11	6	9	5
ADI-55698	27	10	21	9
ADI-55699	13	12	11	11
ADI-55700	22	6	17	6
ADI-55701	31	12	22	11
ADI-55702				
ADI-55703	15	2	12	2
ADI-55704	25	5	19	5
ADI-55705	25	4	20	4
ADI-55706	25	17	19	15
ADI-55707	10	21	8	12
ADI-55708	9	2	7	2
ADI-55709				
ADI-55710	18	6	13	6
ADI-55711	12	4	8	4
ADI-55712	23	4	18	3

FIG. 4A

ADI ID	VH Germline Origin	VL Germline Origin
ADI-56073	IGHV3-30	IGKV4-1
ADI-56074	IGHV4-34	IGLV1-51
ADI-56075	IGHV1-69	IGKV2-30
ADI-56076	IGHV1-69	IGKV2-30
ADI-56078	IGHV3-11	IGKV1D-39
ADI-56079	IGHV3-53	IGKV3D-15
ADI-56080	IGHV3-11	IGKV3-20
ADI-56081	IGHV4-39	IGKV3-20
ADI-56082	IGHV3-7	IGKV4-1
ADI-56083	IGHV3-15	IGLV2-14
ADI-56084	IGHV3-74	IGLV1-47

FIG. 3E

ADI ID	VH Nucleotide Substitutions	VL Nucleotide Substitutions	VH Amino Acid Substitutions	VL Amino Acid Substitutions
ADI-55739	26	12	18	11
ADI-55740	26	7	15	7
ADI-55741	30	8	21	7
ADI-55742	17	3	15	3
ADI-55743	26	15	17	12
ADI-55744				
ADI-55745	25	12	17	11
ADI-55746	9	23	8	13
ADI-55747	15	10	12	9
ADI-55748	27	13	18	11
ADI-55749	14	8	11	6
ADI-55750	17	4	11	4
ADI-55751	11	12	9	10
ADI-55752	19	23	14	19
ADI-55753	36	14	27	13
ADI-55754	15	8	13	7
ADI-55755	13	9	11	7
ADI-55756	31	20	19	15
ADI-55757	14	16	12	15
ADI-55758	15	4	13	4
ADI-55720				
ADI-55760	18	13	14	12
ADI-55761	23	4	20	4
ADI-55762	13	8	11	7
ADI-55763	15	8	12	7

FIG. 4C

ADI ID	VH Nucleotide Substitutions	VL Nucleotide Substitutions	VH Amino Acid Substitutions	VL Amino Acid Substitutions
ADI-55713				
ADI-55714	25	12	21	12
ADI-55715	19	3	15	3
ADI-55716	10	2	9	2
ADI-55717				
ADI-55718	14	5	13	5
ADI-55719	7	1	6	1
ADI-55721	23	9	17	9
ADI-55722	19	22	15	15
ADI-55723	27	8	18	7
ADI-55724	6	6	6	6
ADI-55725	30	11	18	8
ADI-55726	31	12	20	10
ADI-55727	26	9	17	8
ADI-55728	28	15	20	11
ADI-55729	26	9	20	9
ADI-55730	16	5	15	3
ADI-55731	24	8	18	8
ADI-55732	6	6	6	6
ADI-55733	13	6	13	5
ADI-55734	11	4	8	4
ADI-55735	24	12	17	9
ADI-55736	21	2	16	2
ADI-55737	16	8	11	7
ADI-55738				

FIG. 4B

ADI ID	VH Nucleotide Substitutions	VL Nucleotide Substitutions	VH Amino Acid Substitutions	VL Amino Acid Substitutions
ADI-55966	15	10	12	9
ADI-55967	30	9	20	8
ADI-55968	31	9	20	8
ADI-55969	25	4	20	4
ADI-55970	28	8	20	7
ADI-55972	29	11	22	11
ADI-55973	13	9	11	8
ADI-55974	26	20	18	16
ADI-55975	24	2	19	2
ADI-55976	25	5	19	5
ADI-55977	9	8	9	8
ADI-55978	16	8	12	8
ADI-55979	15	18	13	16
ADI-55980	26	20	18	16
ADI-55981	31	12	22	11
ADI-55982	33	12	24	9
ADI-55984	25	11	19	10
ADI-55986	0	0	0	0
ADI-55988	20	7	14	5
ADI-55989	15	3	13	2
ADI-55990	24	11	18	8
ADI-55992	18	2	15	2
ADI-55993	18	1	15	1
ADI-55994	10	6	8	5
ADI-55995	25	6	17	5

FIG. 4E

ADI ID	VH Nucleotide Substitutions	VL Nucleotide Substitutions	VH Amino Acid Substitutions	VL Amino Acid Substitutions
ADI-55765	13	8	11	7
ADI-55766	21	16	17	13
ADI-55767	14	4	12	4
ADI-55769	9	3	8	3
ADI-55770	6	3	5	1
ADI-55771	16	13	13	10
ADI-55775	6	4	6	4
ADI-55776	25	8	17	7
ADI-55777	4	5	4	3
ADI-55950	20	9	15	6
ADI-55951	21	4	16	4
ADI-55952	22	7	16	7
ADI-55953	18	7	12	6
ADI-55954	31	13	22	10
ADI-55955	13	6	11	5
ADI-55956	13	2	10	2
ADI-55957	28	10	21	9
ADI-55958	6	5	6	5
ADI-55959	29	11	22	11
ADI-55960	9	6	7	6
ADI-55961	30	13	22	10
ADI-55962	31	19	19	15
ADI-55963	6	3	6	3
ADI-55964	14	14	10	13
ADI-55965	27	9	24	6

FIG. 4D

ADI ID	VH Nucleotide Substitutions	VL Nucleotide Substitutions	VH Amino Acid Substitutions	VL Amino Acid Substitutions
AD-56021	25	10	18	9
AD-56022	33	10	23	6
AD-56023	27	13	18	11
AD-56024	7	6	6	5
AD-56025	27	13	18	11
AD-56026	9	9	8	8
AD-56027	40	9	24	7
AD-56028	25	5	19	5
AD-56029	31	13	22	10
AD-56030	25	5	19	5
AD-56031	19	4	15	3
AD-56032	14	6	12	6
AD-56033	6	3	6	3
AD-56034	9	7	7	6
AD-56035	9	4	8	3
AD-56037	17	4	13	4
AD-56038	30	11	18	8
AD-56039	21	13	16	11
AD-56040	8	9	7	8
AD-56041	25	15	20	12
AD-56042	12	3	11	3
AD-56043	9	4	7	4
AD-56044	35	12	26	11
AD-56045	20	6	18	6
AD-56046	12	3	10	3

FIG. 4G

ADI ID	VH Nucleotide Substitutions	VL Nucleotide Substitutions	VH Amino Acid Substitutions	VL Amino Acid Substitutions
AD-55996	21	5	15	4
AD-55997	13	7	11	6
AD-55998	11	4	10	2
AD-55999	8	3	8	3
AD-56000	17	2	13	2
AD-56001	3	4	3	4
AD-56002	19	24	14	20
AD-56003	8	6	8	6
AD-56004	12	10	12	9
AD-56005	7	5	6	5
AD-56006	18	0	14	0
AD-56007	12	8	10	7
AD-56008	7	6	5	5
AD-56009	12	5	11	4
AD-56010	19	5	13	4
AD-56011	12	7	10	7
AD-56012	12	5	11	5
AD-56013	8	7	8	4
AD-56014	12	5	11	4
AD-56015	35	16	25	14
AD-56016	9	3	8	3
AD-56017	10	5	7	4
AD-56018	17	7	11	7
AD-56019	30	14	21	13
AD-56020	16	2	14	2

FIG. 4F

ADI ID	VH Nucleotide Substitutions	VL Nucleotide Substitutions	VH Amino Acid Substitutions	VL Amino Acid Substitutions
ADI-56047	13	11	10	9
ADI-56048	27	12	19	9
ADI-56049	25	9	20	9
ADI-56050	30	11	18	8
ADI-56051	16	12	13	8
ADI-56052	25	4	18	4
ADI-56053	16	14	13	11
ADI-56054	11	6	9	5
ADI-56055	25	5	19	5
ADI-56056	16	3	14	3
ADI-56057	19	10	15	9
ADI-56058	10	7	9	5
ADI-56059	7	4	6	4
ADI-56061	26	8	18	7
ADI-56062	31	12	21	10
ADI-56063	16	3	14	3
ADI-56064	26	9	19	9
ADI-56065	7	7	6	6
ADI-56066	14	9	11	8
ADI-56067	30	13	22	10
ADI-56068	9	2	9	2
ADI-56069	21	8	16	6
ADI-56070	8	1	7	1
ADI-56071	14	12	11	10
ADI-56072	25	8	19	7

FIG. 4H

ADI ID	VH Nucleotide Substitutions	VL Nucleotide Substitutions	VH Amino Acid Substitutions	VL Amino Acid Substitutions
ADI-56073	11	0	10	0
ADI-56074	18	4	14	4
ADI-56075	15	3	13	3
ADI-56076	34	4	26	3
ADI-56078	8	5	7	4
ADI-56079	24	11	20	10
ADI-56080	15	17	12	14
ADI-56081	9	2	7	2
ADI-56082	7	2	5	2
ADI-56083	22	12	16	12
ADI-56084	14	12	8	12

FIG. 4I

ADI ID	B Cell phenotype
ADI-55688	IgG+
ADI-55689	IgG+
ADI-55690	IgG+
ADI-55691	IgG+
ADI-55692	IgG+
ADI-55693	
ADI-55694	IgG+
ADI-55695	IgG+
ADI-55696	IgG+
ADI-55697	IgG+
ADI-55698	IgG+
ADI-55699	IgG+
ADI-55700	IgG+
ADI-55701	IgG+
ADI-55702	
ADI-55703	IgG+
ADI-55704	IgG+
ADI-55705	IgG+
ADI-55706	IgG+
ADI-55707	IgG+
ADI-55708	IgG+
ADI-55709	
ADI-55710	IgG+
ADI-55711	IgG+
ADI-55712	IgG+

ADI ID	B Cell phenotype
ADI-55713	
ADI-55714	IgA+
ADI-55715	IgG+
ADI-55716	IgG+
ADI-55717	
ADI-55718	IgG+
ADI-55719	IgG+
ADI-55721	IgG+
ADI-55722	IgG+
ADI-55723	IgG+
ADI-55724	IgG+
ADI-55725	IgG+
ADI-55726	IgG+
ADI-55727	IgG+
ADI-55728	IgG+
ADI-55729	IgG+
ADI-55730	IgG+
ADI-55731	IgG+
ADI-55732	IgA+
ADI-55733	IgG+
ADI-55734	IgG+
ADI-55735	IgG+
ADI-55736	IgG+
ADI-55737	IgA+
ADI-55738	

ADI ID	B Cell phenotype
ADI-55739	IgA+
ADI-55740	IgA+
ADI-55741	IgG+
ADI-55742	IgG+
ADI-55743	IgG+
ADI-55744	
ADI-55745	IgG+
ADI-55746	IgG+
ADI-55747	IgG+
ADI-55748	IgG+
ADI-55749	IgG+
ADI-55750	IgG+
ADI-55751	IgG+
ADI-55752	IgA+
ADI-55753	IgG+
ADI-55754	IgG+
ADI-55755	IgG+
ADI-55756	IgA+
ADI-55757	IgG+
ADI-55758	IgG+
ADI-55720	
ADI-55760	IgG+
ADI-55761	IgG+
ADI-55762	IgG+
ADI-55763	IgA+

FIG. 5A

ADI ID	B Cell phenotype
ADI-55765	IgA+
ADI-55766	IgG+
ADI-55767	IgG+
ADI-55769	IgG+
ADI-55770	IgG+
ADI-55771	IgA+
ADI-55775	IgG+
ADI-55776	IgG+
ADI-55777	IgG+
ADI-55950	IgA+
ADI-55951	IgG+
ADI-55952	IgG+
ADI-55953	IgA+
ADI-55954	IgG+
ADI-55955	IgG+
ADI-55956	IgG+
ADI-55957	IgG+
ADI-55958	IgG+
ADI-55959	IgA+
ADI-55960	IgG+
ADI-55961	IgG+
ADI-55962	IgA+
ADI-55963	IgG+
ADI-55964	IgG+
ADI-55965	IgG+

ADI ID	B Cell phenotype
ADI-55966	IgG+
ADI-55967	IgA+
ADI-55968	IgA+
ADI-55969	IgG+
ADI-55970	IgA+
ADI-55972	IgA+
ADI-55973	IgA+
ADI-55974	IgA+
ADI-55975	IgA+
ADI-55976	IgA+
ADI-55977	IgG+
ADI-55978	IgG+
ADI-55979	IgA+
ADI-55980	IgA+
ADI-55981	IgG+
ADI-55982	IgG+
ADI-55984	IgG+
ADI-55986	IgG+
ADI-55988	IgG+
ADI-55989	IgG+
ADI-55990	IgG+
ADI-55992	IgG+
ADI-55993	IgG+
ADI-55994	IgG+
ADI-55995	IgG+

ADI ID	B Cell phenotype
ADI-55996	IgG+
ADI-55997	IgA+
ADI-55998	IgG+
ADI-55999	IgG+
ADI-56000	IgG+
ADI-56001	IgG+
ADI-56002	IgA+
ADI-56003	IgG+
ADI-56004	IgG+
ADI-56005	IgG+
ADI-56006	IgG+
ADI-56007	IgA+
ADI-56008	IgA+
ADI-56009	IgA+
ADI-56010	IgG+
ADI-56011	IgG+
ADI-56012	IgG+
ADI-56013	IgA+
ADI-56014	IgG+
ADI-56015	IgG+
ADI-56016	IgG+
ADI-56017	IgG+
ADI-56018	IgA+
ADI-56019	IgG+
ADI-56020	IgG+

FIG. 5B

ADI ID	B Cell phenotype
ADI-56021	IgG+
ADI-56022	IgG+
ADI-56023	IgA+
ADI-56024	IgG+
ADI-56025	IgG+
ADI-56026	IgG+
ADI-56027	IgA+
ADI-56028	IgG+
ADI-56029	IgG+
ADI-56030	IgA+
ADI-56031	IgA+
ADI-56032	IgG+
ADI-56033	IgG+
ADI-56034	IgG+
ADI-56035	IgG+
ADI-56037	IgG+
ADI-56038	IgG+
ADI-56039	IgA+
ADI-56040	IgG+
ADI-56041	IgG+
ADI-56042	IgG+
ADI-56043	IgG+
ADI-56044	IgG+
ADI-56045	IgA+
ADI-56046	IgG+

ADI ID	B Cell phenotype
ADI-56047	IgA+
ADI-56048	IgG+
ADI-56049	IgG+
ADI-56050	IgG+
ADI-56051	IgG+
ADI-56052	IgG+
ADI-56053	IgA+
ADI-56054	IgG+
ADI-56055	IgA+
ADI-56056	IgG+
ADI-56057	IgA+
ADI-56058	IgG+
ADI-56059	IgG+
ADI-56061	IgA+
ADI-56062	IgG+
ADI-56063	IgG+
ADI-56064	IgG+
ADI-56065	IgA+
ADI-56066	IgG+
ADI-56067	IgG+
ADI-56068	IgG+
ADI-56069	IgG+
ADI-56070	IgA+
ADI-56071	IgG+
ADI-56072	IgG+

ADI ID	B Cell phenotype
ADI-56073	IgG+
ADI-56074	IgG+
ADI-56075	IgA+
ADI-56076	IgA+
ADI-56078	IgG+
ADI-56079	IgA+
ADI-56080	IgA+
ADI-56081	IgG+
ADI-56082	IgG+
ADI-56083	IgA+
ADI-56084	IgG+

FIG. 5C

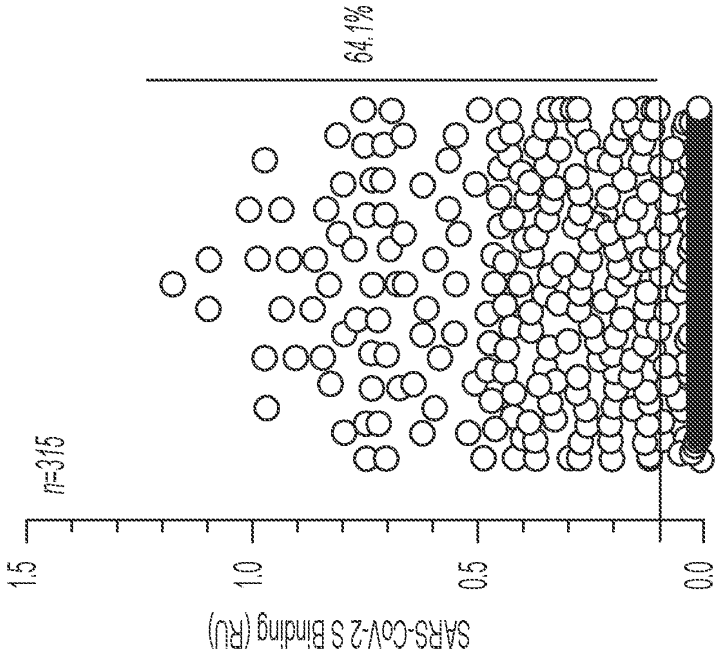


FIG. 6B

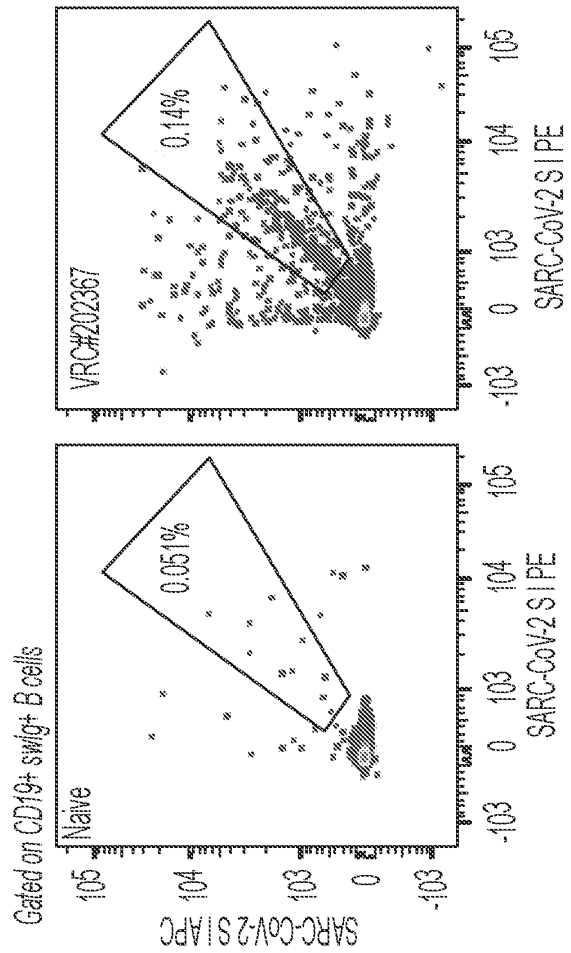


FIG. 6A

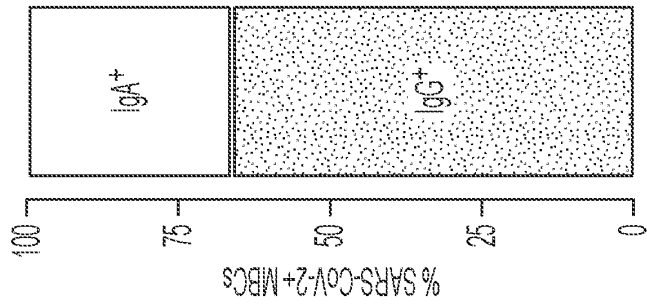


FIG. 6E

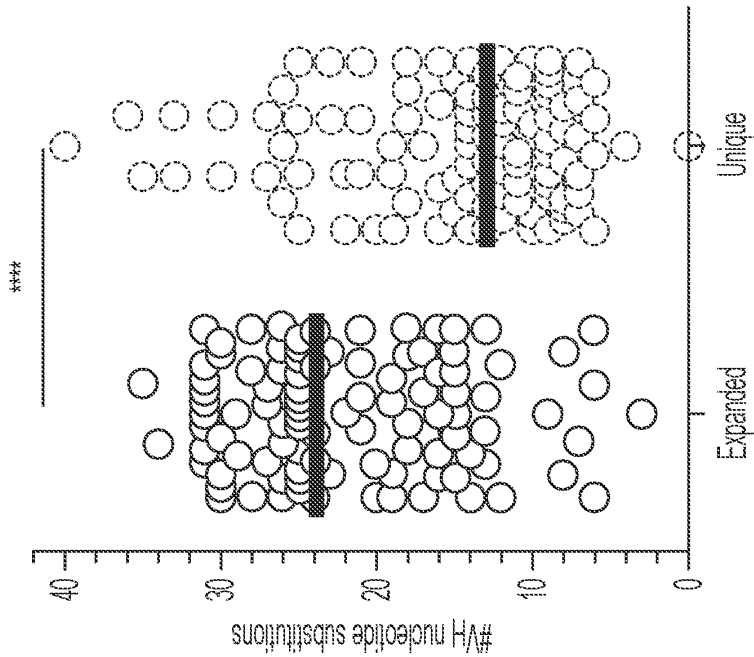


FIG. 6D

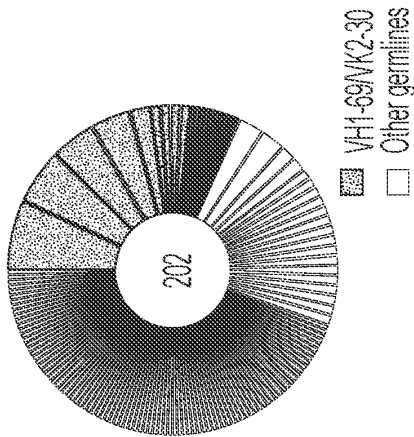


FIG. 6C

ADI ID	SARS-CoV-S KD [M]	SARS-CoV-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-S S _{off} [s ⁻¹]	SARS-CoV-S Binding Response (nm)	SARS-CoV-2-S KD [M]	SARS-CoV-2-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-2-S k _{off} [s ⁻¹]	SARS-CoV-2-S S Binding Response (nm)
ADI-55688	4.84E-10	4.14E+05	2.00E-04	1.05	4.59E-10	4.36E+05	2.00E-04	1.01
ADI-55689	6.13E-10	3.26E+05	2.00E-04	1.045	4.14E-10	4.83E+05	2.00E-04	1.18
ADI-55690	8.98E-10	2.23E+05	2.00E-04	0.883	1.00E-06	5.78E+05	2.00E-04	1.10
ADI-55691	6.44E-10	3.10E+05	2.00E-04	0.833	6.98E-08	8.62E+05	6.01E-02	0.14
ADI-55692	8.78E-10	2.28E+05	2.00E-04	0.817	5.56E-09	3.74E+05	2.08E-03	0.75
ADI-55693								
ADI-55694	1.04E-09	1.93E+05	2.00E-04	0.761	1.66E-09	1.20E+05	2.00E-04	0.55
ADI-55695	1.00E-06			0.652	1.00E-06			0.57
ADI-55696	1.00E-06			0.605	1.31E-08	2.11E+06	2.76E-02	0.51
ADI-55697	1.41E-09	1.41E+05	2.00E-04	0.579	3.21E-07	9.51E+04	3.06E-02	0.15
ADI-55698	1.00E-06			0.55	1.00E-06			0.42
ADI-55699	2.53E-09	7.89E+04	2.00E-04	0.54	1.13E-09	1.78E+05	2.00E-04	0.75
ADI-55700	1.00E-06			0.502	2.21E-08	1.47E+06	3.26E-02	0.44
ADI-55701	1.00E-06			0.494	1.00E-06			0.38
ADI-55702								
ADI-55703	2.03E-09	9.83E+04	2.00E-04	0.488	5.17E-10	3.87E+05	2.00E-04	0.72
ADI-55704	1.00E-06			0.471	1.00E-06			0.44
ADI-55705	1.00E-06			0.458	1.00E-06			0.30
ADI-55706	1.00E-06			0.453	1.00E-06			0.40
ADI-55707	2.47E-09	8.10E+04	2.00E-04	0.442	8.84E-10	2.28E+05	2.00E-04	0.63
ADI-55708	2.70E-09	7.40E+04	2.00E-04	0.438	1.03E-09	1.93E+05	2.00E-04	0.77
ADI-55709								
ADI-55710	2.72E-09	7.34E+04	2.00E-04	0.427	2.97E-09	5.41E+05	1.60E-03	0.87
ADI-55711	2.35E-09	8.52E+04	2.00E-04	0.424	4.48E-10	4.46E+05	2.00E-04	0.80
ADI-55712	1.00E-06			0.415	2.77E-08	1.36E+06	3.76E-02	0.38

FIG. 7A

AD ID	SARS-CoV-S KD [M]	SARS-CoV-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-S S koff [s ⁻¹]	SARS-CoV-S Binding Response (nm)	SARS-CoV-2-S KD [M]	SARS-CoV-2-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-2-S koff [s ⁻¹]	SARS-CoV-2-S S Binding Response (nm)
AD-55713								
AD-55714	1.00E-06			0.405	1.00E-06			0.13
AD-55715	1.00E-06			0.4	1.00E-06			0.28
AD-55716	2.62E-09	7.63E+04	2.00E-04	0.4	9.66E-09	2.19E+05	2.12E-03	0.74
AD-55717								
AD-55718	2.92E-09	6.84E+04	2.00E-04	0.399	1.08E-08	2.06E+05	2.22E-03	0.71
AD-55719	2.85E-09	7.03E+04	2.00E-04	0.384	1.18E-09	1.70E+05	2.00E-04	0.48
AD-55721	1.00E-06			0.377	3.26E-08	1.53E+06	4.97E-02	0.28
AD-55722	1.00E-06			0.374	1.00E-06			0.33
AD-55723	1.00E-06			0.363	1.00E-06			0.22
AD-55724	3.45E-09	5.79E+04	2.00E-04	0.36	6.60E-10	3.03E+05	2.00E-04	0.80
AD-55725	1.00E-06			0.346	1.00E-06			0.38
AD-55726	1.00E-06			0.337	1.00E-06			0.21
AD-55727	4.28E-09	4.68E+04	2.00E-04	0.335	4.95E-10	4.04E+05	2.00E-04	0.83
AD-55728	1.00E-06			0.333	1.00E-06			0.20
AD-55729	1.00E-06			0.331	1.00E-06			0.26
AD-55730	2.97E-09	6.74E+04	2.00E-04	0.324	1.92E-09	2.83E+05	5.43E-04	0.94
AD-55731	1.00E-06			0.321	1.00E-06			0.28
AD-55732	4.18E-09	4.78E+04	2.00E-04	0.31	7.06E-10	2.83E+05	2.00E-04	0.81
AD-55733	1.15E-09	1.74E+05	2.00E-04	0.304	N.B.			0.08
AD-55734	4.34E-09	4.61E+04	2.00E-04	0.297	8.68E-10	2.30E+05	2.00E-04	0.59
AD-55735	1.00E-06			0.296	1.00E-06			0.13
AD-55736	1.00E-06			0.295	1.00E-06			0.19
AD-55737	3.02E-09	6.63E+04	2.00E-04	0.286	6.97E-08	2.79E+05	1.94E-02	0.27
AD-55738								

FIG. 7B

ADI ID	SARS-CoV-S KD [M]	SARS-CoV-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-S S koff [s ⁻¹]	SARS-CoV-S Binding Response (nm)	SARS-CoV-2-S KD [M]	SARS-CoV-2-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-2-S koff [s ⁻¹]	SARS-CoV-2-S S Binding Response (nm)
ADI-55739	2.58E-09	8.85E+04	2.28E-04	0.284	1.00E-06			0.18
ADI-55740	2.85E-07	1.26E+05	3.58E-02	0.266	6.46E-08	6.86E+05	4.43E-02	0.13
ADI-55741	1.00E-06			0.259	1.00E-06			0.10
ADI-55742	1.00E-06			0.256	1.00E-06			0.18
ADI-55743	1.00E-06			0.255	1.00E-06			0.19
ADI-55744								
ADI-55745	4.93E-09	8.39E+04	4.14E-04	0.237	1.00E-06			0.11
ADI-55746	2.95E-09	6.79E+04	2.00E-04	0.233	2.19E-09	9.13E+04	2.00E-04	0.51
ADI-55747	1.00E-06			0.229	1.00E-06			0.11
ADI-55748	1.00E-06			0.227	1.00E-06			0.13
ADI-55749	3.09E-09	6.47E+04	2.00E-04	0.203	1.10E-09	1.82E+05	2.00E-04	0.70
ADI-55750	6.83E-08	1.69E+05	1.16E-02	0.171	6.24E-08	3.03E+05	1.89E-02	0.13
ADI-55751	3.14E-09	6.38E+04	2.00E-04	0.167	7.28E-08	1.70E+05	1.23E-02	0.24
ADI-55752	5.12E-09	1.06E+05	5.42E-04	0.148	1.00E-06			0.15
ADI-55753	1.00E-06			0.124	N.B.			0.00
ADI-55754	3.38E-09	5.92E+04	2.00E-04	0.123	1.48E-09	1.35E+05	2.00E-04	0.64
ADI-55755	1.26E-07	1.54E+05	1.94E-02	0.112	3.80E-08	5.56E+05	2.11E-02	0.44
ADI-55756	1.00E-06			0.106	8.07E-08	7.70E+05	6.22E-02	0.16
ADI-55757	N.B.			0.092	3.27E-09	1.03E+05	3.36E-04	0.16
ADI-55758	N.B.			0.073	4.24E-08	7.15E+05	3.03E-02	0.21
ADI-55760	N.B.			-0.017	7.71E-09	5.50E+04	4.24E-04	0.21
ADI-55761	N.B.			-0.009	1.50E-08	7.82E+04	1.17E-03	0.27
ADI-55762	N.B.			-0.011	1.86E-08	1.27E+06	2.37E-02	0.67
ADI-55763	N.B.			-0.007	1.95E-08	1.27E+06	2.48E-02	0.70

FIG. 7C

AD ID	SARS-CoV-S KD [M]	SARS-CoV-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-S S koff [s ⁻¹]	SARS-CoV-S Binding Response (nm)	SARS-CoV-2-S KD [M]	SARS-CoV-2-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-2-S koff [s ⁻¹]	SARS-CoV-2-S S Binding Response (nm)
AD-55765	N.B.			-0.004	2.10E-08	1.45E+06	3.05E-02	0.60
AD-55766	N.B.			0.065	3.51E-08	8.84E+05	3.10E-02	0.13
AD-55767	N.B.			0.045	4.12E-08	6.70E+05	2.76E-02	0.22
AD-55769	N.B.			0.007	1.20E-07	6.34E+05	7.60E-02	0.11
AD-55770	N.B.			0.031	1.91E-07	1.14E+06	2.18E-01	0.10
AD-55771	N.B.			-0.002	2.76E-07	1.25E+05	3.46E-02	0.28
AD-55775	N.B.			-0.006	N.B.			0.10
AD-55776	N.B.			-0.002	1.00E-06			0.26
AD-55777	N.B.			0.003	1.00E-06			0.20
AD-55960	7.80E-08	6.80E+05	5.30E-02	0.229	1.00E-06			0.37
AD-55961	5.84E-10	3.42E+05	2.00E-04	0.925	5.38E-10	3.72E+05	2.00E-04	0.97
AD-55962	1.03E-07	6.00E+05	6.18E-02	0.166	1.00E-06			0.35
AD-55963	3.02E-08	1.21E+06	3.67E-02	0.305	1.00E-06			0.43
AD-55964	1.42E-07	5.83E+05	8.30E-02	0.148	1.00E-06			0.27
AD-55965	1.31E-07	6.45E+03	8.46E-04	0.1	8.16E-10	2.45E+05	2.00E-04	0.80
AD-55966	3.76E-09	5.31E+04	2.00E-04	0.127	3.46E-09	5.84E+05	2.02E-03	0.68
AD-55967	1.73E-07	3.37E+05	5.83E-02	0.139	1.00E-06			0.33
AD-55968	2.12E-09	9.41E+04	2.00E-04	0.377	1.43E-09	1.40E+05	2.00E-04	0.47
AD-55969	5.50E-08	6.99E+05	3.84E-02	0.213	1.00E-06			0.34
AD-55960	N.B.			0.093	9.90E-10	2.02E+05	2.00E-04	0.76
AD-55961	2.37E-08	1.08E+06	2.58E-02	0.38	1.00E-06			0.46
AD-55962	1.24E-07	3.25E+05	4.04E-02	0.108	1.00E-06			0.15
AD-55963	N.B.			0.029	1.18E-07	5.61E+05	6.64E-02	0.39
AD-55964	2.57E-08	6.38E+04	1.64E-03	0.158	4.18E-08	5.24E+05	2.19E-02	0.47
AD-55965	1.29E-07	7.12E+05	9.21E-02	0.159	1.00E-06			0.34

FIG. 7D

ADI ID	SARS-CoV-S KD [M]	SARS-CoV-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-S S koff [s ⁻¹]	SARS-CoV-S Binding Response (nm)	SARS-CoV-2-S KD [M]	SARS-CoV-2-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-2-S koff [s ⁻¹]	SARS-CoV-2-S S Binding Response (nm)
ADI-55966	N.B.			0.091	1.00E-06			0.14
ADI-55967	6.63E-08	8.27E+05	5.48E-02	0.144	1.00E-06			0.28
ADI-55968	7.01E-08	7.91E+05	5.54E-02	0.148	1.00E-06			0.28
ADI-55969	2.90E-09	6.91E+04	2.00E-04	0.253	5.40E-10	3.70E+05	2.00E-04	1.10
ADI-55970	N.B.			0.065	1.00E-06			0.20
ADI-55972	3.04E-08	9.81E+05	2.98E-02	0.205	1.00E-06			0.32
ADI-55973	N.B.			0.097	3.15E-08	1.22E+06	3.83E-02	0.57
ADI-55974	5.12E-08	1.14E+06	5.83E-02	0.217	1.00E-06			0.35
ADI-55975	N.B.			0.099	1.00E-06			0.28
ADI-55976	2.78E-08	1.08E+06	3.02E-02	0.361	1.00E-06			0.40
ADI-55977	1.05E-09	1.91E+05	2.00E-04	0.755	1.18E-07	9.56E+04	1.12E-02	0.38
ADI-55978	2.21E-08	3.32E+04	7.33E-04	0.137	7.88E-10	2.54E+05	2.00E-04	0.75
ADI-55979	N.B.			-0.004	1.49E-07	2.94E+04	4.39E-03	0.12
ADI-55980	6.67E-08	8.33E+05	5.56E-02	0.243	1.00E-06			0.37
ADI-55981	N.B.			0.078	1.00E-06			0.12
ADI-55982	1.00E-06			0.164	1.00E-06			0.27
ADI-55984	1.00E-06			0.262	1.00E-06			0.35
ADI-55986	N.B.			0.043	5.31E-08	1.60E+06	8.51E-02	0.20
ADI-55988	3.15E-09	6.36E+04	2.00E-04	0.136	1.85E-09	2.60E+05	4.81E-04	0.83
ADI-55989	3.12E-09	6.42E+04	2.00E-04	0.147	7.53E-10	2.66E+05	2.00E-04	0.63
ADI-55990	1.00E-06			0.298	1.00E-06			0.48
ADI-55992	N.B.			0.083	1.35E-09	1.48E+05	2.00E-04	0.60
ADI-55993	1.66E-09	1.21E+05	2.00E-04	0.61	1.21E-09	1.65E+05	2.00E-04	0.71
ADI-55994	3.17E-09	6.32E+04	2.00E-04	0.158	4.54E-10	4.40E+05	2.00E-04	0.74
ADI-55995	N.B.			0.012	1.98E-07	2.75E+05	5.46E-02	0.21

FIG. 7E

ADI ID	SARS-CoV-S KD [M]	SARS-CoV-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-S S koff [s ⁻¹]	SARS-CoV-S Binding Response (nm)	SARS-CoV-2-S KD [M]	SARS-CoV-2-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-2-S koff [s ⁻¹]	SARS-CoV-2-S S Binding- Response (nm)
ADI-55996	N.B.			0.009	1.00E-06			0.16
ADI-55997	N.B.			0.068	2.32E-08	1.10E+06	2.55E-02	0.43
ADI-55998	N.B.			0.068	9.90E-10	2.11E+05	2.00E-04	0.47
ADI-55999	N.B.			0.01	1.00E-06			0.20
ADI-56000	1.34E-09	1.49E+05	2.00E-04	0.64	1.13E-09	1.77E+05	2.00E-04	0.63
ADI-56001	N.B.			0.018	3.09E-09	6.48E+04	2.00E-04	0.28
ADI-56002	1.00E-06			0.129	1.00E-06			0.14
ADI-56003	N.B.			0.061	1.28E-09	1.57E+05	2.00E-04	0.62
ADI-56004	2.94E-09	6.81E+04	2.00E-04	0.16	8.68E-10	2.30E+05	2.00E-04	0.85
ADI-56005	2.93E-09	6.82E+04	2.00E-04	0.102	9.43E-10	2.12E+05	2.00E-04	0.84
ADI-56006	N.B.			0.087	1.31E-09	1.53E+05	2.00E-04	0.71
ADI-56007	1.15E-09	1.73E+05	2.00E-04	0.557	5.41E-08	2.30E+05	1.24E-02	0.43
ADI-56008	3.79E-08	6.63E+04	2.51E-03	0.204	2.30E-08	1.09E+06	2.51E-02	0.67
ADI-56009	N.B.			0.035	1.00E-06			0.27
ADI-56010	1.51E-09	1.32E+05	2.00E-04	0.689	3.90E-10	5.13E+05	2.00E-04	0.87
ADI-56011	2.99E-09	6.69E+04	2.00E-04	0.302	5.93E-10	3.37E+05	2.00E-04	0.81
ADI-56012	N.B.			0.06	7.80E-08	3.14E+05	2.45E-02	0.25
ADI-56013	N.B.			0.003	1.09E-06	1.34E+05	1.47E-01	0.12
ADI-56014	N.B.			0.029	1.00E-06			0.32
ADI-56015	1.53E-07	3.14E+05	4.82E-02	0.131	1.00E-06			0.24
ADI-56016	2.79E-09	7.16E+04	2.00E-04	0.226	5.48E-10	3.65E+05	2.00E-04	0.91
ADI-56017	3.11E-09	6.42E+04	2.00E-04	0.244	3.04E-09	5.54E+05	1.68E-03	0.56
ADI-56018	N.B.			0.048	1.00E-06			0.15
ADI-56019	7.44E-08	7.48E+05	5.56E-02	0.25	1.00E-06			0.43
ADI-56020	N.B.			0.056	3.33E-09	6.01E+04	2.00E-04	0.39

FIG. 7F

ADI ID	SARS-CoV-S KD [M]	SARS-CoV-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-S S koff [s ⁻¹]	SARS-CoV-S Binding Response (nm)	SARS-CoV-2-S KD [M]	SARS-CoV-2-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-2-S koff [s ⁻¹]	SARS-CoV-2-S S Binding Response (nm)
ADI-56021	N.B.			0.056	1.00E-06			0.17
ADI-56022	1.00E-06			0.332	1.00E-06			0.55
ADI-56023	1.07E-07	4.42E+05	4.73E-02	0.139	1.00E-06			0.20
ADI-56024	3.00E-09	6.66E+04	2.00E-04	0.163	2.62E-09	2.90E+05	7.60E-04	0.70
ADI-56025	1.35E-07	3.21E+05	4.34E-02	0.129	1.00E-06			0.18
ADI-56026	2.90E-09	6.91E+04	2.00E-04	0.253	7.40E-10	4.97E+05	3.68E-04	0.74
ADI-56027	1.00E-06			0.207	1.00E-06			0.31
ADI-56028	1.00E-06			0.388	1.00E-06			0.46
ADI-56029	1.00E-06			0.176	1.00E-06			0.30
ADI-56030	1.00E-06			0.36	1.00E-06			0.42
ADI-56031	2.43E-08	1.53E+06	3.71E-02	0.361	1.00E-06			0.44
ADI-56032	5.17E-10	3.87E+05	2.00E-04	0.854	3.04E-09	4.60E+05	1.40E-03	0.72
ADI-56033	N.B.			0.01	2.77E-09	7.23E+04	2.00E-04	0.31
ADI-56034	N.B.			0.038	2.78E-09	7.20E+04	2.00E-04	0.34
ADI-56035	2.07E-09	9.66E+04	2.00E-04	0.444	1.98E-09	2.16E+05	4.28E-04	0.74
ADI-56037	5.66E-08	9.65E+05	5.36E-02	0.22	1.00E-06			0.40
ADI-56038	1.00E-06			0.249	1.00E-06			0.40
ADI-56039	N.B.			0.072	1.00E-06			0.13
ADI-56040	3.01E-09	6.64E+04	2.00E-04	0.208	2.05E-09	9.76E+04	2.00E-04	0.52
ADI-56041	N.B.			0.079	1.00E-06			0.13
ADI-56042	N.B.			0.073	1.26E-09	1.59E+05	2.00E-04	0.68
ADI-56043	3.29E-09	6.09E+04	2.00E-04	0.296	4.27E-10	4.68E+05	2.00E-04	0.98
ADI-56044	1.00E-06			0.136	1.00E-06			0.17
ADI-56045	1.00E-06			0.284	1.00E-06			0.44
ADI-56046	1.03E-09	1.95E+05	2.00E-04	0.771	3.49E-10	5.73E+05	2.00E-04	0.94

FIG. 7G

ADI ID	SARS-CoV-S KD [nM]	SARS-CoV-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-S S koff [s ⁻¹]	SARS-CoV-S Binding Response (nm)	SARS-CoV-2-S KD [nM]	SARS-CoV-2-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-2-S koff [s ⁻¹]	SARS-CoV-2-S S Binding Response (nm)
ADI-56047	N.B.			0.022	1.28E-07	2.89E+05	3.71E-02	0.24
ADI-56048	N.B.			0.088	1.00E-06			0.12
ADI-56049	3.24E-08	5.68E+05	1.84E-02	0.383	1.00E-06			0.46
ADI-56050	1.00E-06			0.279	1.00E-06			0.34
ADI-56051	1.63E-09	1.23E+05	2.00E-04	0.593	2.89E-09	6.91E+04	2.00E-04	0.25
ADI-56052	1.00E-06			0.147	1.00E-06			0.18
ADI-56053	N.B.			0.015	1.51E-07	1.59E+05	2.40E-02	0.37
ADI-56054	2.98E-09	6.71E+04	2.00E-04	0.203	2.42E-08	7.02E+05	1.70E-02	0.71
ADI-56055	1.00E-06			0.443	1.00E-06			0.49
ADI-56056	1.00E-06			0.124	1.00E-06			0.23
ADI-56057	3.01E-08	1.20E+06	3.62E-02	0.315	1.00E-06			0.43
ADI-56058	2.15E-09	9.30E+04	2.00E-04	0.477	2.67E-09	7.49E+04	2.00E-04	0.45
ADI-56059	3.13E-09	6.38E+04	2.00E-04	0.301	4.47E-10	4.48E+05	2.00E-04	0.98
ADI-56061	1.00E-06			0.247	1.00E-06			0.41
ADI-56062	1.00E-06			0.198	1.00E-06			0.35
ADI-56063	1.00E-07	5.98E+05	5.99E-02	0.227	1.00E-06			0.34
ADI-56064	1.00E-06			0.281	1.00E-06			0.46
ADI-56065	N.B.			0.085	1.62E-09	1.24E+05	2.00E-04	0.55
ADI-56066	N.B.			0.053	6.25E-09	1.07E+05	6.71E-04	0.37
ADI-56067	1.00E-06			0.348	1.00E-06			0.50
ADI-56068	N.B.			0.059	2.61E-09	1.92E+05	5.01E-04	0.26
ADI-56069	2.14E-08	7.82E+05	1.67E-02	0.384	1.00E-06			0.45
ADI-56070	N.B.			0.073	7.17E-08	2.27E+05	1.63E-02	0.29
ADI-56071	6.55E-10	3.05E+05	2.00E-04	0.726	5.03E-10	3.98E+05	2.00E-04	0.99
ADI-56072	N.B.			0.069	8.74E-07	8.51E+04	7.43E-02	0.12

FIG. 7H

ADI ID	SARS-CoV-S KD [M]	SARS-CoV-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-S S koff [s ⁻¹]	SARS-CoV-S Binding Response (nm)	SARS-CoV-2-S KD [M]	SARS-CoV-2-S kon [M ⁻¹ s ⁻¹]	SARS-CoV-2-S koff [s ⁻¹]	SARS-CoV-2-S S Binding Response (nm)
ADI-56073	6.87E-09	2.91E+04	2.00E-04	0.197	6.25E-10	3.20E+05	2.00E-04	0.78
ADI-56074	3.53E-09	5.67E+04	2.00E-04	0.111	9.43E-10	2.12E+05	2.00E-04	0.66
ADI-56075	1.00E-06			0.123	1.00E-06			0.22
ADI-56076	2.84E-08	6.38E+05	1.81E-02	0.333	1.00E-06			0.35
ADI-56078	N.B.			0.018	1.00E-06			0.22
ADI-56079	1.00E-06			0.203	1.00E-06			0.35
ADI-56080	1.20E-07	4.42E+05	5.29E-02	0.175	1.00E-06			0.21
ADI-56081	3.19E-09	6.27E+04	2.00E-04	0.161	5.80E-10	3.45E+05	2.00E-04	0.92
ADI-56082	1.06E-07	8.50E+05	8.98E-02	0.198	N.B.			0.10
ADI-56083	N.B.			0.098	N.B.			0.09
ADI-56084	1.00E-06			0.109	N.B.			0.10

FIG. 71

ADI ID	HCoV-229E S KD [M]	HCoV-229E S kon	HCoV-229E S koff	HCoV-229E S Response
AD-55688	N.B.			0.03
AD-55689	N.B.			0.03
AD-55690	N.B.			0.01
AD-55691	N.B.			0.01
AD-55692	N.B.			0.02
AD-55693				
AD-55694	N.B.			0.03
AD-55695	2.68E-09	7.46E+04	2.00E-04	0.44
AD-55696	1.84E-09	1.09E+05	2.00E-04	0.25
AD-55697	N.B.			0.03
AD-55698	1.90E-09	1.05E+05	2.00E-04	0.32
AD-55699	N.B.			0.04
AD-55700	2.78E-09	7.20E+04	2.00E-04	0.18
AD-55701	1.00E-06			0.13
AD-55702				
AD-55703	N.B.			0.03
AD-55704	1.81E-09	1.10E+05	2.00E-04	0.21
AD-55705	N.B.			0.10
AD-55706	1.63E-09	1.22E+05	2.00E-04	0.15
AD-55707	N.B.			0.02
AD-55708	N.B.			0.04
AD-55709				
AD-55710	N.B.			0.04
AD-55711	N.B.			0.02
AD-55712	3.09E-09	6.47E+04	2.00E-04	0.14

ADI ID	HCoV-229E S KD [M]	HCoV-229E S kon	HCoV-229E S koff	HCoV-229E S Response
AD-55713				
AD-55714	7.44E-09	1.73E+05	1.29E-03	0.18
AD-55715	1.00E-06			0.15
AD-55716	N.B.			0.05
AD-55717				
AD-55718	N.B.			0.03
AD-55719	N.B.			0.04
AD-55721	N.B.			0.06
AD-55722	4.93E-09	4.05E+04	2.00E-04	0.24
AD-55723	N.B.			0.02
AD-55724	N.B.			0.03
AD-55725	1.00E-06			0.11
AD-55726	N.B.			0.07
AD-55727	N.B.			0.03
AD-55728	N.B.			0.04
AD-55729	N.B.			0.07
AD-55730	N.B.			0.03
AD-55731	N.B.			0.03
AD-55732	N.B.			0.05
AD-55733	N.B.			0.04
AD-55734	N.B.			0.03
AD-55735	N.B.			0.05
AD-55736	N.B.			0.04
AD-55737	N.B.			0.05
AD-55738				

FIG. 8A

ADI ID	HCoV-229E S KD [M]	HCoV-229E S kon	HCoV-229E S koff	HCoV-229E S Response
ADI-55739	N.B.			0.03
ADI-55740	N.B.			0.07
ADI-55741	N.B.			0.04
ADI-55742	N.B.			0.04
ADI-55743	N.B.			0.03
ADI-55744				
ADI-55745	N.B.			0.03
ADI-55746	N.B.			0.04
ADI-55747	N.B.			0.04
ADI-55748	N.B.			0.04
ADI-55749	N.B.			0.03
ADI-55750	N.B.			0.03
ADI-55751	N.B.			0.04
ADI-55752	1.00E-06			0.13
ADI-55753	N.B.			0.04
ADI-55754	N.B.			0.03
ADI-55755	N.B.			0.03
ADI-55756	N.B.			0.03
ADI-55757	N.B.			0.02
ADI-55758	N.B.			0.04
ADI-55760	N.B.			
ADI-55761	N.B.			0.03
ADI-55762	N.B.			0.04
ADI-55763	N.B.			0.03
ADI-55765	N.B.			0.03
ADI-55766	N.B.			0.07
ADI-55767	N.B.			0.04
ADI-55769	N.B.			0.03
ADI-55770	N.B.			0.04
ADI-55771	N.B.			0.02
ADI-55775	N.B.			0.04
ADI-55776	N.B.			0.01
ADI-55777	N.B.			0.04
ADI-55950	1.00E-06			0.15
ADI-55951	N.B.			0.05
ADI-55952	N.B.			0.07
ADI-55953	8.54E-09	8.34E+04	7.12E-04	0.28
ADI-55954	N.B.			0.04
ADI-55955	N.B.			0.04
ADI-55956	N.B.			0.05
ADI-55957	N.B.			0.06
ADI-55958	N.B.			0.04
ADI-55959	1.00E-06			0.26
ADI-55960	N.B.			0.04
ADI-55961	1.14E-08	8.03E+04	9.14E-04	0.26
ADI-55962	N.B.			0.08
ADI-55963	N.B.			0.05
ADI-55964	N.B.			0.05
ADI-55965	1.00E-06			0.12

FIG. 8B

ADI ID	HCoV-229E S KD [M]	HCoV-229E S kon	HCoV-229E S koff	HCoV-229E S Response
AD-55966	N.B.			0.05
AD-55967	N.B.			0.04
AD-55968	N.B.			0.05
AD-55969	N.B.			0.05
AD-55970	N.B.			0.05
AD-55972	1.12E-08	1.01E+05	1.12E-03	0.26
AD-55973	N.B.			0.05
AD-55974	7.98E-09	1.07E+05	8.55E-04	0.26
AD-55975	N.B.			0.05
AD-55976	6.56E-09	9.43E+04	6.19E-04	0.30
AD-55977	N.B.			0.03
AD-55978	N.B.			0.03
AD-55979	N.B.			0.03
AD-55980	4.02E-09	9.05E+04	3.64E-04	0.35
AD-55981	N.B.			0.04
AD-55982	N.B.			0.04
AD-55984	1.00E-06			0.18
AD-55986	N.B.			0.05
AD-55988	N.B.			0.04
AD-55989	N.B.			0.07
AD-55990	9.12E-09	1.11E+05	1.01E-03	0.33
AD-55992	N.B.			0.05
AD-55993	N.B.			0.05
AD-55994	N.B.			0.06
AD-55995	N.B.			0.04

ADI ID	HCoV-229E S KD [M]	HCoV-229E S kon	HCoV-229E S koff	HCoV-229E S Response
AD-55996	N.B.			0.05
AD-55997	N.B.			0.04
AD-55998	N.B.			0.05
AD-55999	N.B.			0.05
AD-56000	N.B.			0.05
AD-56001	N.B.			0.04
AD-56002	1.00E-06			0.23
AD-56003	N.B.			0.05
AD-56004	N.B.			0.05
AD-56005	N.B.			0.03
AD-56006	N.B.			0.04
AD-56007	N.B.			0.04
AD-56008	N.B.			0.05
AD-56009	N.B.			0.05
AD-56010	N.B.			0.06
AD-56011	N.B.			0.06
AD-56012	N.B.			0.05
AD-56013	N.B.			0.04
AD-56014	N.B.			0.06
AD-56015	N.B.			0.06
AD-56016	N.B.			0.03
AD-56017	N.B.			0.05
AD-56018	N.B.			0.05
AD-56019	1.00E-06			0.15
AD-56020	N.B.			0.06

FIG. 8C

ADI ID	HCoV-229E S KD [M]	HCoV-229E S kon	HCoV-229E S koff	HCoV-229E S Response
ADI-56021	N.B.			0.04
ADI-56022	1.94E-09	1.03E+05	2.00E-04	0.32
ADI-56023	1.00E-06			0.12
ADI-56024	N.B.			0.05
ADI-56025	N.B.			0.07
ADI-56026	N.B.			0.05
ADI-56027	N.B.			0.06
ADI-56028	3.40E-09	1.04E+05	3.53E-04	0.32
ADI-56029	N.B.			0.06
ADI-56030	1.96E-09	1.02E+05	2.00E-04	0.27
ADI-56031	1.01E-08	1.17E+05	1.18E-03	0.23
ADI-56032	N.B.			0.05
ADI-56033	N.B.			0.06
ADI-56034	N.B.			0.06
ADI-56035	N.B.			0.05
ADI-56037	1.00E-06			0.13
ADI-56038	N.B.			0.04
ADI-56039	1.00E-06			0.11
ADI-56040	N.B.			0.04
ADI-56041	N.B.			0.08
ADI-56042	N.B.			0.05
ADI-56043	N.B.			0.04
ADI-56044	N.B.			0.08
ADI-56045	N.B.			0.07
ADI-56046	N.B.			0.04

ADI ID	HCoV-229E S KD [M]	HCoV-229E S kon	HCoV-229E S koff	HCoV-229E S Response
ADI-56047	N.B.			0.03
ADI-56048	N.B.			0.04
ADI-56049	1.00E-06			0.12
ADI-56050	N.B.			0.07
ADI-56051	N.B.			0.02
ADI-56052	N.B.			0.07
ADI-56053	N.B.			0.04
ADI-56054	N.B.			0.04
ADI-56055	2.42E-09	8.28E+04	2.00E-04	0.21
ADI-56056	N.B.			0.05
ADI-56057	2.48E-09	8.07E+04	2.00E-04	0.34
ADI-56058	N.B.			0.04
ADI-56059	N.B.			0.04
ADI-56061	N.B.			0.04
ADI-56062	N.B.			0.06
ADI-56063	N.B.			0.07
ADI-56064	1.00E-06			0.13
ADI-56065	N.B.			0.03
ADI-56066	N.B.			0.07
ADI-56067	1.00E-06			0.14
ADI-56068	N.B.			0.03
ADI-56069	1.00E-06			0.14
ADI-56070	N.B.			0.02
ADI-56071	N.B.			0.03
ADI-56072	N.B.			0.02

FIG. 8D

ADI ID	HCoV-229E S KD [M]	HCoV-229E S kon	HCoV-229E S koff	HCoV-229E S Response
AD-56073	N.B.			0.03
AD-56074	N.B.			0.03
AD-56075	N.B.			0.02
AD-56076	1.00E-06			0.10
AD-56078	N.B.			0.04
AD-56079	1.00E-06			0.14
AD-56080	2.99E-09	1.27E+05	3.78E-04	0.18
AD-56081	N.B.			0.04
AD-56082	N.B.			0.02
AD-56083	N.B.			0.06
AD-56084	N.B.			0.07

FIG. 8E

ADI ID	HKU1 S KD [M]	HKU1 S kon	HKU1 S koff	HKU1 S Response
ADI-55688	N.B.			0.01
ADI-55689	N.B.			0.01
ADI-55690	N.B.			0.01
ADI-55691	N.B.			0.02
ADI-55692	N.B.			0.02
ADI-55693				
ADI-55694	N.B.			0.01
ADI-55695	3.19E-08	1.23E+06	3.93E-02	0.56
ADI-55696	1.00E-06			0.42
ADI-55697	N.B.			0.01
ADI-55698	1.00E-06			0.35
ADI-55699	N.B.			0.02
ADI-55700	1.00E-06			0.35
ADI-55701	3.18E-08	1.01E+06	3.22E-02	0.35
ADI-55702				
ADI-55703	N.B.			0.01
ADI-55704	1.00E-06			0.37
ADI-55705	1.00E-06			0.30
ADI-55706	1.00E-06			0.36
ADI-55707	N.B.			0.01
ADI-55708	N.B.			0.02
ADI-55709				
ADI-55710	N.B.			0.01
ADI-55711	N.B.			0.01
ADI-55712	1.00E-06			0.33

ADI ID	HKU1 S KD [M]	HKU1 S kon	HKU1 S koff	HKU1 S Response
ADI-55713				
ADI-55714	1.00E-06			0.23
ADI-55715	1.00E-06			0.22
ADI-55716	N.B.			0.01
ADI-55717				
ADI-55718	N.B.			0.02
ADI-55719	N.B.			0.01
ADI-55721	5.87E-08	5.87E+05	3.44E-02	0.31
ADI-55722	1.00E-06			0.25
ADI-55723	1.00E-06			0.15
ADI-55724	N.B.			0.03
ADI-55725	1.00E-06			0.24
ADI-55726	1.00E-06			0.15
ADI-55727	N.B.			0.01
ADI-55728	1.00E-06			0.18
ADI-55729	1.00E-06			0.29
ADI-55730	N.B.			0.02
ADI-55731	1.00E-06			0.19
ADI-55732	N.B.			0.03
ADI-55733	N.B.			0.01
ADI-55734	N.B.			0.01
ADI-55735	N.B.			0.08
ADI-55736	1.00E-06			0.19
ADI-55737	N.B.			0.02
ADI-55738				

FIG. 9A

ADI ID	HKU1S KD [M]	HKU1S kon	HKU1S koff	HKU1S Response
ADI-55739	1.00E-06			0.09
ADI-55740	1.77E-07	2.38E+05	4.22E-02	0.20
ADI-55741	1.00E-06			0.10
ADI-55742	2.11E-09	1.35E+05	2.83E-04	0.32
ADI-55743	1.00E-06			0.11
ADI-55744				
ADI-55745	1.00E-06			0.07
ADI-55746	N.B.			0.03
ADI-55747	2.04E-09	1.17E+05	2.38E-04	0.27
ADI-55748	1.00E-06			0.08
ADI-55749	N.B.			0.00
ADI-55750	9.19E-08	1.50E+05	1.38E-02	0.14
ADI-55751	N.B.			0.02
ADI-55752	N.B.			0.07
ADI-55753	N.B.			0.07
ADI-55754	N.B.			0.02
ADI-55755	N.B.			0.01
ADI-55756	1.00E-06			0.09
ADI-55757	n.d.			
ADI-55758	n.d.			
ADI-55720				
ADI-55760	n.d.			
ADI-55761	n.d.			
ADI-55762	n.d.			
ADI-55763	n.d.			

ADI ID	HKU1S KD [M]	HKU1S kon	HKU1S koff	HKU1S Response
ADI-55765	n.d.			
ADI-55766	n.d.			
ADI-55767	n.d.			
ADI-55769	n.d.			
ADI-55770	n.d.			
ADI-55771	n.d.			
ADI-55775	n.d.			
ADI-55776	n.d.			
ADI-55777	n.d.			
ADI-55950	2.04E-08	1.02E+06	2.08E-02	0.64
ADI-55951	N.B.			0.01
ADI-55952	1.00E-06			0.22
ADI-55953	1.00E-06			0.43
ADI-55954	5.61E-09	1.90E+05	1.07E-03	0.34
ADI-55955	N.B.			0.00
ADI-55956	N.B.			0.00
ADI-55957	1.00E-06			0.29
ADI-55958	N.B.			-0.01
ADI-55959	1.00E-06			0.24
ADI-55960	N.B.			0.02
ADI-55961	1.00E-06			0.45
ADI-55962	1.00E-06			0.14
ADI-55963	N.B.			-0.01
ADI-55964	N.B.			0.01
ADI-55965	1.00E-06			0.18

FIG. 9B

ADI ID	HKU 1 S KD [M]	HKU 1 S kon	HKU 1 S koff	HKU 1 S Response
ADI-55986	7.35E-09	1.01E+05	7.43E-04	0.33
ADI-55967	1.00E-06			0.18
ADI-55988	1.00E-06			0.17
ADI-55969	N.B.			0.02
ADI-55970	1.00E-06			0.07
ADI-55972	1.00E-06			0.23
ADI-55973	N.B.			0.00
ADI-55974	1.00E-06			0.32
ADI-55975	1.00E-06			0.12
ADI-55976	1.00E-06			0.52
ADI-55977	N.B.			0.01
ADI-55978	N.B.			0.01
ADI-55979	N.B.			0.00
ADI-55980	1.00E-06			0.38
ADI-55981	1.00E-06			0.06
ADI-55982	1.00E-06			0.20
ADI-55984	1.00E-06			0.34
ADI-55986	N.B.			0.02
ADI-55988	N.B.			0.01
ADI-55989	N.B.			0.01
ADI-55990	1.00E-06			0.38
ADI-55992	N.B.			-0.01
ADI-55993	N.B.			0.00
ADI-55994	N.B.			0.02
ADI-55995	N.B.			0.01

ADI ID	HKU 1 S KD [M]	HKU 1 S kon	HKU 1 S koff	HKU 1 S Response
ADI-55996	N.B.			0.01
ADI-55997	N.B.			0.00
ADI-55998	N.B.			0.01
ADI-55999	N.B.			-0.01
ADI-56000	N.B.			0.00
ADI-56001	N.B.			0.00
ADI-56002	1.00E-06			0.15
ADI-56003	N.B.			0.02
ADI-56004	N.B.			0.01
ADI-56005	N.B.			0.00
ADI-56006	N.B.			-0.01
ADI-56007	N.B.			-0.01
ADI-56008	N.B.			0.00
ADI-56009	N.B.			0.02
ADI-56010	N.B.			0.00
ADI-56011	N.B.			0.01
ADI-56012	N.B.			0.00
ADI-56013	N.B.			-0.01
ADI-56014	N.B.			-0.01
ADI-56015	1.00E-06			0.17
ADI-56016	N.B.			0.02
ADI-56017	N.B.			-0.01
ADI-56018	1.00E-06			0.04
ADI-56019	1.00E-06			0.31
ADI-56020	N.B.			0.01

FIG. 9C

ADI ID	HKU 1 S KD [M]	HKU 1 S kon	HKU 1 S koff	HKU 1 S Response
ADI-56047	N.B.			0.01
ADI-56048	N.B.			0.07
ADI-56049	1.00E-06			0.40
ADI-56050	1.00E-06			0.31
ADI-56051	N.B.			0.02
ADI-56052	1.00E-06			0.13
ADI-56053	N.B.			0.00
ADI-56054	N.B.			-0.01
ADI-56055	1.00E-06			0.54
ADI-56056	3.59E-09	2.23E+05	8.02E-04	0.39
ADI-56057	2.36E-08	1.31E+06	3.08E-02	0.32
ADI-56058	N.B.			0.03
ADI-56059	N.B.			0.02
ADI-56061	1.00E-06			0.29
ADI-56062	1.00E-06			0.21
ADI-56063	2.44E-09	2.48E+05	6.04E-04	0.48
ADI-56064	1.00E-06			0.37
ADI-56065	N.B.			0.02
ADI-56066	N.B.			0.02
ADI-56067	1.00E-06			0.35
ADI-56068	N.B.			0.03
ADI-56069	1.00E-06			0.43
ADI-56070	N.B.			-0.01
ADI-56071	N.B.			0.01
ADI-56072	N.B.			0.06

ADI ID	HKU 1 S KD [M]	HKU 1 S kon	HKU 1 S koff	HKU 1 S Response
ADI-56021	1.00E-06			0.05
ADI-56022	1.00E-06			0.51
ADI-56023	1.00E-06			0.17
ADI-56024	N.B.			0.00
ADI-56025	1.00E-06			0.15
ADI-56026	N.B.			0.01
ADI-56027	1.00E-06			0.27
ADI-56028	1.00E-06			0.58
ADI-56029	3.98E-09	1.70E+05	6.77E-04	0.34
ADI-56030	1.00E-06			0.55
ADI-56031	2.32E-08	1.54E+06	3.59E-02	0.48
ADI-56032	N.B.			0.01
ADI-56033	N.B.			0.01
ADI-56034	N.B.			0.00
ADI-56035	N.B.			0.01
ADI-56037	1.00E-06			0.48
ADI-56038	1.00E-06			0.33
ADI-56039	1.00E-06			0.10
ADI-56040	N.B.			0.01
ADI-56041	N.B.			0.07
ADI-56042	N.B.			0.01
ADI-56043	N.B.			0.01
ADI-56044	2.20E-07	2.91E+05	6.39E-02	0.14
ADI-56045	1.00E-06			0.25
ADI-56046	N.B.			0.00

FIG. 9D

ADI ID	HKU1S KD [M]	HKU1S kon	HKU1S koff	HKU1S Response
ADI-56073	N.B.			0.01
ADI-56074	N.B.			0.03
ADI-56075	3.70E-09	1.81E+05	6.70E-04	0.40
ADI-56076	1.00E-06			0.36
ADI-56078	N.B.			-0.01
ADI-56079	1.00E-06			0.18
ADI-56080	1.00E-06			0.19
ADI-56081	N.B.			0.02
ADI-56082	N.B.			-0.01
ADI-56083	N.B.			0.09
ADI-56084	N.B.			0.08

FIG. 9E

ADI ID	HCoV-NL63 S KD [M]	HCoV-NL63 S kon	HCoV-NL63 S koff	HCoV-NL63 S Response
ADI-55688	N.B.			0.04
ADI-55689	N.B.			0.03
ADI-55690	N.B.			0.02
ADI-55691	N.B.			0.05
ADI-55692	N.B.			0.02
ADI-55693				
ADI-55694	N.B.			0.04
ADI-55695	1.0511E-09	190272.458	0.0002	0.58
ADI-55696	1.1403E-09	175385.259	0.0002	0.21
ADI-55697	N.B.			0.03
ADI-55698	9.5504E-10	209414.543	0.0002	0.36
ADI-55699	N.B.			0.03
ADI-55700	1.5452E-09	129433.159	0.0002	0.27
ADI-55701	1.00E-06			0.11
ADI-55702				
ADI-55703	N.B.			0.05
ADI-55704	1.2164E-09	164426.331	0.0002	0.29
ADI-55705	N.B.			0.10
ADI-55706	1.4359E-09	139287.576	0.0002	0.22
ADI-55707	N.B.			0.03
ADI-55708	N.B.			0.03
ADI-55709				
ADI-55710	N.B.			0.03
ADI-55711	N.B.			0.04
ADI-55712	1.4134E-09	141505.829	0.0002	0.22

ADI ID	HCoV-NL63 S KD [M]	HCoV-NL63 S kon	HCoV-NL63 S koff	HCoV-NL63 S Response
ADI-55713				
ADI-55714	1.00E-06			0.16
ADI-55715	N.B.			0.09
ADI-55716	N.B.			0.03
ADI-55717				
ADI-55718	N.B.			0.03
ADI-55719	N.B.			0.02
ADI-55721	N.B.			0.05
ADI-55722	1.3762E-09	145325.187	0.0002	0.23
ADI-55723	N.B.			0.02
ADI-55724	N.B.			0.01
ADI-55725	1.00E-06			0.16
ADI-55726	N.B.			0.07
ADI-55727	N.B.			0.04
ADI-55728	N.B.			0.04
ADI-55729	N.B.			0.07
ADI-55730	N.B.			0.05
ADI-55731	N.B.			0.04
ADI-55732	N.B.			0.03
ADI-55733	N.B.			0.04
ADI-55734	N.B.			0.04
ADI-55735	N.B.			0.03
ADI-55736	N.B.			0.04
ADI-55737	N.B.			0.01
ADI-55738				

FIG. 10A

ADI ID	HCoV-NL63 S KD [M]	HCoV-NL63 S kon	HCoV-NL63 S koff	HCoV-NL63 S Response
ADI-55739	N.B.			0.03
ADI-55740	N.B.			0.09
ADI-55741	N.B.			0.04
ADI-55742	N.B.			0.02
ADI-55743	N.B.			0.02
ADI-55744				
ADI-55745	N.B.			0.04
ADI-55746	N.B.			0.03
ADI-55747	N.B.			0.04
ADI-55748	N.B.			0.03
ADI-55749	N.B.			0.03
ADI-55750	N.B.			0.04
ADI-55751	N.B.			0.04
ADI-55752	N.B.			0.08
ADI-55753	N.B.			0.02
ADI-55754	N.B.			0.04
ADI-55755	N.B.			0.03
ADI-55756	N.B.			0.03
ADI-55757				
ADI-55758	n.d.			
ADI-55720	n.d.			
ADI-55760	n.d.			
ADI-55761	n.d.			
ADI-55762	n.d.			
ADI-55763	n.d.			

ADI ID	HCoV-NL63 S KD [M]	HCoV-NL63 S kon	HCoV-NL63 S koff	HCoV-NL63 S Response
ADI-55765	n.d.			
ADI-55766	n.d.			
ADI-55767	n.d.			
ADI-55769	n.d.			
ADI-55770	n.d.			
ADI-55771	n.d.			
ADI-55775	n.d.			
ADI-55776	n.d.			
ADI-55777	n.d.			
ADI-55950	1.00E-06			0.27
ADI-55951	N.B.			0.05
ADI-55952	1.00E-06			0.12
ADI-55953	1.00E-06			0.28
ADI-55954	N.B.			0.06
ADI-55955	N.B.			0.05
ADI-55956	N.B.			0.05
ADI-55957	N.B.			0.06
ADI-55958	N.B.			0.05
ADI-55959	1.00E-06			0.21
ADI-55960	N.B.			0.04
ADI-55961	2.6664E-09	183811.976	0.00049011	0.39
ADI-55962	N.B.			0.05
ADI-55963	N.B.			0.05
ADI-55964	N.B.			0.05
ADI-55965	N.B.			0.07

FIG. 10B

ADI ID	HCoV-NL63 S KD [M]	HCoV-NL63 S kon	HCoV-NL63 S koff	HCoV-NL63 S Response
ADI-55966	N.B.			0.04
ADI-55967	N.B.			0.04
ADI-55968	N.B.			0.05
ADI-55969	N.B.			0.04
ADI-55970	N.B.			0.04
ADI-55972	1.00E-06			0.14
ADI-55973	N.B.			0.03
ADI-55974	1.00E-06			0.13
ADI-55975	N.B.			0.03
ADI-55976	3.3606E-09	140600.607	0.0004725	0.36
ADI-55977	N.B.			0.02
ADI-55978	N.B.			0.04
ADI-55979	N.B.			0.03
ADI-55980	1.00E-06			0.21
ADI-55981	N.B.			0.06
ADI-55982	N.B.			0.05
ADI-55984	1.00E-06			0.22
ADI-55986	N.B.			0.06
ADI-55988	N.B.			0.06
ADI-55989	N.B.			0.04
ADI-55990	1.00E-06			0.27
ADI-55992	N.B.			0.05
ADI-55993	N.B.			0.06
ADI-55994	N.B.			0.04
ADI-55995	N.B.			0.06

ADI ID	HCoV-NL63 S KD [M]	HCoV-NL63 S kon	HCoV-NL63 S koff	HCoV-NL63 S Response
ADI-55996	N.B.			0.05
ADI-55997	N.B.			0.03
ADI-55998	N.B.			0.04
ADI-55999	N.B.			0.04
ADI-56000	N.B.			0.05
ADI-56001	N.B.			0.04
ADI-56002	1.00E-06			0.15
ADI-56003	N.B.			0.06
ADI-56004	N.B.			0.05
ADI-56005	N.B.			0.04
ADI-56006	N.B.			0.03
ADI-56007	N.B.			0.02
ADI-56008	N.B.			0.03
ADI-56009	N.B.			0.05
ADI-56010	N.B.			0.06
ADI-56011	N.B.			0.05
ADI-56012	N.B.			0.04
ADI-56013	N.B.			0.06
ADI-56014	N.B.			0.04
ADI-56015	N.B.			0.05
ADI-56016	N.B.			0.05
ADI-56017	N.B.			0.06
ADI-56018	N.B.			0.04
ADI-56019	N.B.			0.08
ADI-56020	N.B.			0.05

FIG. 10C

ADI ID	HCoV-NL63 S KD [M]	HCoV-NL63 S kon	HCoV-NL63 S koff	HCoV-NL63 S Response
AD-56021	N.B.			0.08
AD-56022	3.9773E-09	156117.689	0.00062092	0.36
AD-56023	N.B.			0.08
AD-56024	N.B.			0.04
AD-56025	N.B.			0.05
AD-56026	N.B.			0.05
AD-56027	N.B.			0.09
AD-56028	2.2256E-09	163507.783	0.00036391	0.45
AD-56029	N.B.			0.08
AD-56030	1.2926E-09	156979.446	0.0002029	0.40
AD-56031	3.5602E-09	151870.463	0.0005407	0.39
AD-56032	N.B.			0.03
AD-56033	N.B.			0.04
AD-56034	N.B.			0.06
AD-56035	N.B.			0.06
AD-56037	N.B.			0.09
AD-56038	1.00E-06			0.22
AD-56039	N.B.			0.05
AD-56040	N.B.			0.04
AD-56041	N.B.			0.04
AD-56042	N.B.			0.05
AD-56043	N.B.			0.05
AD-56044	N.B.			0.07
AD-56045	1.00E-06			0.12
AD-56046	N.B.			0.04

ADI ID	HCoV-NL63 S KD [M]	HCoV-NL63 S kon	HCoV-NL63 S koff	HCoV-NL63 S Response
AD-56047	N.B.			0.05
AD-56048	N.B.			0.04
AD-56049	1.00E-06			0.26
AD-56050	1.00E-06			0.16
AD-56051	N.B.			0.03
AD-56052	N.B.			0.06
AD-56053	N.B.			0.05
AD-56054	N.B.			0.03
AD-56055	1.00E-06			0.34
AD-56056	N.B.			0.04
AD-56057	1.5304E-09	151660.386	0.0002321	0.40
AD-56058	N.B.			0.04
AD-56059	N.B.			0.03
AD-56061	N.B.			0.08
AD-56062	N.B.			0.06
AD-56063	N.B.			0.08
AD-56064	1.00E-06			0.23
AD-56065	N.B.			0.03
AD-56066	N.B.			0.03
AD-56067	1.21E-09	165291.095	0.0002	0.30
AD-56068	N.B.			0.03
AD-56069	1.9024E-09	105127.626	0.0002	0.28
AD-56070	N.B.			0.03
AD-56071	N.B.			0.03
AD-56072	N.B.			0.04

FIG. 10D

ADI ID	HCoV-NL63 SKD [M]	HCoV-NL63 S kon	HCoV-NL63 S koff	HCoV-NL63 S Response
ADJ-56073	N.B.			0.04
ADJ-56074	N.B.			0.04
ADJ-56075	N.B.			0.05
ADJ-56076	1.00E-06			0.16
ADJ-56078	N.B.			0.05
ADJ-56079	1.00E-06			0.13
ADJ-56080	1.00E-06			0.16
ADJ-56081	N.B.			0.04
ADJ-56082	N.B.			0.06
ADJ-56083	N.B.			0.04
ADJ-56084	N.B.			0.03

FIG. 10E

ADI ID	HCoV-OC43 S KD [M]	HCoV-OC43 S kon	HCoV-OC43 S koff	HCoV-OC43 S Response
ADI-55688	N.B.			0.01
ADI-55689	N.B.			0.01
ADI-55690	N.B.			0.02
ADI-55691	N.B.			0.01
ADI-55692	N.B.			0.02
ADI-55693				
ADI-55694	N.B.			0.02
ADI-55695	N.B.			0.06
ADI-55696	N.B.			0.04
ADI-55697	N.B.			0.02
ADI-55698	N.B.			0.01
ADI-55699	N.B.			0.02
ADI-55700	N.B.			0.03
ADI-55701	N.B.			0.01
ADI-55702				
ADI-55703	N.B.			0.01
ADI-55704	N.B.			0.05
ADI-55705	N.B.			0.03
ADI-55706	N.B.			0.06
ADI-55707	N.B.			0.01
ADI-55708	N.B.			0.02
ADI-55709				
ADI-55710	N.B.			0.00
ADI-55711	N.B.			0.01
ADI-55712	N.B.			0.00
ADI-55713				
ADI-55714	N.B.			0.01
ADI-55715	N.B.			0.01
ADI-55716	N.B.			0.02
ADI-55717				
ADI-55718	N.B.			0.01
ADI-55719	N.B.			0.02
ADI-55721	N.B.			0.01
ADI-55722	N.B.			0.01
ADI-55723	N.B.			0.01
ADI-55724	2.963E-09	67498.7445	0.0002	0.18
ADI-55725	N.B.			0.02
ADI-55726	N.B.			0.02
ADI-55727	N.B.			0.02
ADI-55728	N.B.			0.01
ADI-55729	N.B.			0.00
ADI-55730	N.B.			0.01
ADI-55731	N.B.			0.02
ADI-55732	3.173E-09	62945.8347	0.0002	0.16
ADI-55733	N.B.			0.02
ADI-55734	N.B.			0.00
ADI-55735	N.B.			0.01
ADI-55736	N.B.			0.01
ADI-55737	N.B.			0.01
ADI-55738				

FIG. 11A

ADI ID	HCoV-OC43 S KD [M]	HCoV-OC43 S kon	HCoV-OC43 S koff	HCoV-OC43 S Response
ADI-55739	N.B.			0.02
ADI-55740	N.B.			0.03
ADI-55741	N.B.			0.00
ADI-55742	N.B.			0.02
ADI-55743	N.B.			0.03
ADI-55744				
ADI-55745	N.B.			0.00
ADI-55746	N.B.			0.02
ADI-55747	N.B.			0.02
ADI-55748	N.B.			0.02
ADI-55749	N.B.			0.00
ADI-55750	N.B.			0.02
ADI-55751	N.B.			0.01
ADI-55752	N.B.			0.01
ADI-55753	N.B.			0.01
ADI-55754	N.B.			0.01
ADI-55755	N.B.			0.02
ADI-55756	N.B.			0.02
ADI-55757	n.d.			
ADI-55758	n.d.			
ADI-55720				
ADI-55760	n.d.			
ADI-55761	n.d.			
ADI-55762	n.d.			
ADI-55763	n.d.			

ADI ID	HCoV-OC43 S KD [M]	HCoV-OC43 S kon	HCoV-OC43 S koff	HCoV-OC43 S Response
ADI-55765	n.d.			
ADI-55766	n.d.			
ADI-55767	n.d.			
ADI-55769	n.d.			
ADI-55770	n.d.			
ADI-55771	n.d.			
ADI-55775	n.d.			
ADI-55776	n.d.			
ADI-55777	n.d.			
ADI-55950	N.B.			0.02
ADI-55951	N.B.			0.00
ADI-55952	N.B.			0.01
ADI-55953	N.B.			0.01
ADI-55954	N.B.			0.01
ADI-55955	N.B.			0.01
ADI-55956	N.B.			0.00
ADI-55957	N.B.			0.01
ADI-55958	N.B.			0.02
ADI-55959	N.B.			0.03
ADI-55960	N.B.			0.02
ADI-55961	N.B.			0.03
ADI-55962	N.B.			0.01
ADI-55963	N.B.			0.01
ADI-55964	N.B.			0.02
ADI-55965	N.B.			0.01

FIG. 11B

ADI ID	HCoV-OC43 S KD [M]	HCoV-OC43 S kon	HCoV-OC43 S koff	HCoV-OC43 S Response
AD-55966	N.B.			0.03
AD-55967	N.B.			0.02
AD-55968	N.B.			0.02
AD-55969	N.B.			0.02
AD-55970	N.B.			0.01
AD-55972	N.B.			0.03
AD-55973	N.B.			0.03
AD-55974	N.B.			0.03
AD-55975	N.B.			0.04
AD-55976	N.B.			0.03
AD-55977	N.B.			0.01
AD-55978	N.B.			0.02
AD-55979	N.B.			0.03
AD-55980	N.B.			0.04
AD-55981	N.B.			0.03
AD-55982	N.B.			0.03
AD-55984	N.B.			0.02
AD-55986	N.B.			0.03
AD-55988	N.B.			0.02
AD-55989	N.B.			0.02
AD-55990	N.B.			0.02
AD-55992	N.B.			0.03
AD-55993	N.B.			0.03
AD-55994	N.B.			0.02
AD-55995	N.B.			0.02

ADI ID	HCoV-OC43 S KD [M]	HCoV-OC43 S kon	HCoV-OC43 S koff	HCoV-OC43 S Response
AD-55996	N.B.			0.03
AD-55997	N.B.			0.02
AD-55998	N.B.			0.02
AD-55999	N.B.			0.02
AD-56000	N.B.			0.01
AD-56001	N.B.			0.03
AD-56002	N.B.			0.03
AD-56003	N.B.			0.03
AD-56004	N.B.			0.04
AD-56005	N.B.			0.03
AD-56006	N.B.			0.01
AD-56007	N.B.			0.02
AD-56008	N.B.			0.03
AD-56009	N.B.			0.04
AD-56010	N.B.			0.03
AD-56011	N.B.			0.03
AD-56012	N.B.			0.02
AD-56013	N.B.			0.03
AD-56014	N.B.			0.02
AD-56015	N.B.			0.02
AD-56016	N.B.			0.02
AD-56017	N.B.			0.03
AD-56018	N.B.			0.03
AD-56019	N.B.			0.02
AD-56020	N.B.			0.04

FIG. 11C

ADI ID	HCoV-OC43 S KD [M]	HCoV-OC43 S kon	HCoV-OC43 S koff	HCoV-OC43 S Response
AD-56021	N.B.			0.01
AD-56022	N.B.			0.02
AD-56023	N.B.			0.03
AD-56024	N.B.			0.03
AD-56025	N.B.			0.02
AD-56026	N.B.			0.04
AD-56027	N.B.			0.02
AD-56028	N.B.			0.07
AD-56029	N.B.			0.02
AD-56030	N.B.			0.07
AD-56031	N.B.			0.03
AD-56032	N.B.			0.03
AD-56033	N.B.			0.03
AD-56034	N.B.			0.04
AD-56035	N.B.			0.01
AD-56037	N.B.			0.01
AD-56038	N.B.			0.02
AD-56039	N.B.			0.01
AD-56040	N.B.			0.01
AD-56041	N.B.			0.03
AD-56042	N.B.			0.03
AD-56043	N.B.			0.02
AD-56044	N.B.			0.04
AD-56045	N.B.			0.02
AD-56046	N.B.			0.02

ADI ID	HCoV-OC43 S KD [M]	HCoV-OC43 S kon	HCoV-OC43 S koff	HCoV-OC43 S Response
AD-56047	N.B.			0.02
AD-56048	N.B.			0.02
AD-56049	N.B.			0.03
AD-56050	N.B.			0.03
AD-56051	N.B.			0.03
AD-56052	N.B.			0.03
AD-56053	N.B.			0.04
AD-56054	N.B.			0.02
AD-56055	1.00E-06			0.10
AD-56056	N.B.			0.02
AD-56057	N.B.			0.00
AD-56058	N.B.			0.01
AD-56059	N.B.			0.01
AD-56061	N.B.			0.00
AD-56062	N.B.			0.02
AD-56063	N.B.			0.01
AD-56064	N.B.			0.00
AD-56065	N.B.			0.02
AD-56066	N.B.			0.02
AD-56067	N.B.			0.04
AD-56068	N.B.			0.02
AD-56069	N.B.			0.02
AD-56070	N.B.			0.00
AD-56071	N.B.			0.01
AD-56072	N.B.			0.02

FIG. 11D

ADI ID	HCoV-OC43 S KD [M]	HCoV-OC43 S kon	HCoV-OC43 S koff	HCoV-OC43 S Response
ADI-56073	N.B.			0.02
ADI-56074	N.B.			0.02
ADI-56075	N.B.			0.02
ADI-56076	N.B.			0.03
ADI-56078	N.B.			0.02
ADI-56079	N.B.			0.02
ADI-56080	N.B.			0.02
ADI-56081	N.B.			0.01
ADI-56082	N.B.			0.01
ADI-56083	N.B.			0.03
ADI-56084	N.B.			0.03

FIG. 11E

ADI ID	Broad cross-reactivity with 1 or more circulating CoVs	SARS-CoV S binder?	SARS-CoV-2 S binder?	HCoV-229E S binder?	HKU1 S binder?	NL63 S binder?	OK43 S binder?
ADI-55688	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55689	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55690	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55691	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55692	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55693							
ADI-55694	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55695	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55696	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55697	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55698	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55699	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55700	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55701	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55702							
ADI-55703	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55704	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55705	Broad	Yes	Yes	Yes	Yes	No	No
ADI-55706	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55707	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55708	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55709							
ADI-55710	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55711	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55712	Broad	Yes	Yes	Yes	Yes	Yes	No

FIG. 12A

ADI ID	Broad cross-reactivity with 1 or more circulating CoVs	SARS-CoV S binder?	SARS-CoV-2 S binder?	HCoV-229E S binder?	HKU1 S binder?	NL63 S binder?	OK43 S binder?
ADI-55713							
ADI-55714	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55715	Broad	Yes	Yes	Yes	Yes	No	No
ADI-55716	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55717							
ADI-55718	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55719	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55721	Broad	Yes	Yes	No	Yes	No	No
ADI-55722	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55723	Broad	Yes	Yes	No	Yes	No	No
ADI-55724	Broad	Yes	Yes	No	No	No	Yes
ADI-55725	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55726	Broad	Yes	Yes	No	Yes	No	No
ADI-55727	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55728	Broad	Yes	Yes	No	Yes	No	No
ADI-55729	Broad	Yes	Yes	No	Yes	No	No
ADI-55730	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55731	Broad	Yes	Yes	No	Yes	No	No
ADI-55732	Broad	Yes	Yes	No	No	No	Yes
ADI-55733		Yes	No	No	No	No	No
ADI-55734	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55735	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55736	Broad	Yes	Yes	No	Yes	No	No
ADI-55737	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55738							

FIG. 12B

ADI ID	Broad cross-reactivity with 1 or more circulating CoVs	SARS-CoV S binder?	SARS-CoV-2 S binder?	HCoV-229E S binder?	HKU1 S binder?	NL63 S binder?	OK43 S binder?
ADI-55739	Broad	Yes	Yes	No	Yes	No	No
ADI-55740	Broad	Yes	Yes	No	Yes	No	No
ADI-55741	Broad	Yes	Yes	No	Yes	No	No
ADI-55742	Broad	Yes	Yes	No	Yes	No	No
ADI-55743	Broad	Yes	Yes	No	Yes	No	No
ADI-55744							
ADI-55745	Broad	Yes	Yes	No	Yes	No	No
ADI-55746	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55747	Broad	Yes	Yes	No	Yes	No	No
ADI-55748	Broad	Yes	Yes	No	Yes	No	No
ADI-55749	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55750	Broad	Yes	Yes	No	Yes	No	No
ADI-55751	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55752	Broad	Yes	Yes	Yes	No	No	No
ADI-55753		Yes	No	No	No	No	No
ADI-55754	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55755	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55756	SARS1-2 specific	Yes	Yes	No	Yes	No	No
ADI-55757	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55758	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55720							
ADI-55760	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55761	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55762	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55763	SARS1-2 specific	No	Yes	No	No	No	No

FIG. 12C

ADI ID	Broad cross-reactivity with 1 or more circulating CoVs	SARS-CoV S binder?	SARS-CoV-2 S binder?	HCoV-229E S binder?	HKU1 S binder?	NL63 S binder?	OK43 S binder?
ADI-55765	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55766	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55767	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55769	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55770	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55771	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55775	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55776	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55777	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55950	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55951	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55952	Broad	Yes	Yes	No	Yes	Yes	No
ADI-55953	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55954	Broad	Yes	Yes	No	Yes	No	No
ADI-55955	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55956	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55957	Broad	Yes	Yes	No	Yes	No	No
ADI-55958	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55959	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55960	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55961	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55962	Broad	Yes	Yes	No	Yes	No	No
ADI-55963	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55964	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55965	Broad	Yes	Yes	Yes	Yes	No	No

FIG. 12D

ADI ID	Broad cross-reactivity with 1 or more circulating CoVs	SARS-CoV S binder?	SARS-CoV-2 S binder?	HCoV-229E S binder?	HKU1 S binder?	NL63 S binder?	OK43 S binder?
ADI-55966	Broad	Yes	Yes	No	Yes	No	No
ADI-55967	Broad	Yes	Yes	No	Yes	No	No
ADI-55968	Broad	Yes	Yes	No	Yes	No	No
ADI-55969	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55970	Broad	No	Yes	No	Yes	No	No
ADI-55972	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55973	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55974	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55975	Broad	Yes	Yes	No	Yes	No	No
ADI-55976	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55977	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55978	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55979	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55980	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55981	Broad	No	Yes	No	Yes	No	No
ADI-55982	Broad	Yes	Yes	No	Yes	No	No
ADI-55984	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55986	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55988	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55989	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55990	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-55992	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55993	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55994	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-55995	SARS1-2 specific	No	Yes	No	No	No	No

FIG. 12E

ADI ID	Broad cross-reactivity with 1 or more circulating CoVs	SARS-CoV S binder?	SARS-CoV-2 S binder?	HCoV-229E S binder?	HKU1 S binder?	NL63 S binder?	OK43 S binder?
ADI-55996	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55997	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55998	SARS1-2 specific	No	Yes	No	No	No	No
ADI-55999	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56000	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56001	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56002	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56003	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56004	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56005	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56006	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56007	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56008	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56009	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56010	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56011	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56012	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56013	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56014	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56015	Broad	Yes	Yes	No	Yes	No	No
ADI-56016	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56017	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56018	Broad	No	Yes	No	Yes	No	No
ADI-56019	Broad	Yes	Yes	Yes	Yes	No	No
ADI-56020	SARS1-2 specific	No	Yes	No	No	No	No

FIG. 12F

ADI ID	Broad cross-reactivity with 1 or more circulating CoVs	SARS-CoV S binder?	SARS-CoV-2 S binder?	HCoV-229E S binder?	HKU1 S binder?	NL63 S binder?	OK43 S binder?
ADI-56021	Broad	No	Yes	No	Yes	No	No
ADI-56022	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56023	Broad	Yes	Yes	Yes	Yes	No	No
ADI-56024	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56025	Broad	Yes	Yes	No	Yes	No	No
ADI-56026	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56027	Broad	Yes	Yes	No	Yes	No	No
ADI-56028	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56029	Broad	Yes	Yes	No	Yes	No	No
ADI-56030	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56031	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56032	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56033	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56034	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56035	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56037	Broad	Yes	Yes	Yes	Yes	No	No
ADI-56038	Broad	Yes	Yes	No	Yes	Yes	No
ADI-56039	Broad	No	Yes	Yes	Yes	No	No
ADI-56040	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56041	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56042	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56043	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56044	Broad	Yes	Yes	No	Yes	No	No
ADI-56045	Broad	Yes	Yes	No	Yes	Yes	No
ADI-56046	SARS1-2 specific	Yes	Yes	No	No	No	No

FIG. 12G

ADI ID	Broad cross-reactivity with 1 or more circulating CoVs	SARS-CoV S binder?	SARS-CoV-2 S binder?	HCoV-229E S binder?	HKU1 S binder?	NL63 S binder?	OK43 S binder?
ADI-56047	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56048	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56049	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56050	Broad	Yes	Yes	No	Yes	Yes	No
ADI-56051	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56052	Broad	Yes	Yes	No	Yes	No	No
ADI-56053	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56054	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56055	Broad	Yes	Yes	Yes	Yes	Yes	Yes
ADI-56056	Broad	Yes	Yes	No	Yes	No	No
ADI-56057	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56058	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56059	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56061	Broad	Yes	Yes	No	Yes	No	No
ADI-56062	Broad	Yes	Yes	No	Yes	No	No
ADI-56063	Broad	Yes	Yes	No	Yes	No	No
ADI-56064	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56065	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56066	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56067	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56068	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56069	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56070	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56071	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56072	SARS1-2 specific	No	Yes	No	No	No	No

FIG. 12H

ADI ID	Broad cross-reactivity with 1 or more circulating CoVs	SARS-CoV S binder?	SARS-CoV-2 S binder?	HCoV-229E S binder?	HKU1 S binder?	NL63 S binder?	OK43 S binder?
ADI-56073	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56074	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56075	Broad	Yes	Yes	No	Yes	No	No
ADI-56076	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56078	SARS1-2 specific	No	Yes	No	No	No	No
ADI-56079	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56080	Broad	Yes	Yes	Yes	Yes	Yes	No
ADI-56081	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56082	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56083	SARS1-2 specific	Yes	Yes	No	No	No	No
ADI-56084	SARS1-2 specific	Yes	Yes	No	No	No	No

FIG. 12I

ADI ID	Polyspecificity Score	Polyspecificity Category
ADI-55688	0.00	A
ADI-55689	0.00	A
ADI-55690	0.00	A
ADI-55691	0.00	A
ADI-55692	0.00	A
ADI-55693		
ADI-55694	0.10	B
ADI-55695	0.00	A
ADI-55696	0.00	A
ADI-55697	0.11	B
ADI-55698	0.00	A
ADI-55699	0.00	A
ADI-55700	0.00	A
ADI-55701	0.00	A
ADI-55702		
ADI-55703	0.00	A
ADI-55704	0.00	A
ADI-55705	0.00	A
ADI-55706	0.00	A
ADI-55707	0.00	A
ADI-55708	0.00	A
ADI-55709		
ADI-55710	0.10	B
ADI-55711	0.00	A
ADI-55712	0.00	A
ADI-55713		
ADI-55714	0.00	A
ADI-55715	0.00	A
ADI-55716	0.16	B
ADI-55717		
ADI-55718	0.00	A
ADI-55719	0.10	A
ADI-55721	0.00	A
ADI-55722	0.00	A
ADI-55723	0.00	A
ADI-55724	0.00	A
ADI-55725	0.00	A
ADI-55726	0.00	A
ADI-55727	0.00	A
ADI-55728	0.00	A
ADI-55729	0.00	A
ADI-55730	0.00	A
ADI-55731	0.00	A
ADI-55732	0.00	A
ADI-55733	0.00	A
ADI-55734	0.00	A
ADI-55735	0.00	A
ADI-55736	0.00	A
ADI-55737	0.00	A
ADI-55738		
ADI-55739	0.00	A
ADI-55740	0.00	A
ADI-55741	0.00	A
ADI-55742	0.00	A
ADI-55743	0.00	A
ADI-55744		
ADI-55745	0.00	A
ADI-55746	0.00	A
ADI-55747	0.00	A
ADI-55748	0.00	A
ADI-55749	0.00	A
ADI-55750	0.00	A
ADI-55751	0.00	A
ADI-55752	0.00	A
ADI-55753	0.00	A
ADI-55754	0.00	A
ADI-55755	0.00	A
ADI-55756	0.00	A
ADI-55757		
ADI-55758		
ADI-55720		
ADI-55760		
ADI-55761		
ADI-55762		
ADI-55763		

FIG. 13A

ADI ID	Polyspecificity Score	Polyspecificity Category
ADI-55765		
ADI-55766		
ADI-55767		
ADI-55769		
ADI-55770		
ADI-55771		
ADI-55775		
ADI-55776		
ADI-55777		
ADI-55950	0.07	A
ADI-55951	0.06	A
ADI-55952	0.08	A
ADI-55953	0.06	A
ADI-55954	0.05	A
ADI-55955	0.04	A
ADI-55956	0.08	A
ADI-55957	0.08	A
ADI-55958	0.06	A
ADI-55959	0.04	A
ADI-55960	0.04	A
ADI-55961	0.10	B
ADI-55962	0.02	A
ADI-55963	0.10	B
ADI-55964	0.05	A
ADI-55965	0.07	A

ADI ID	Polyspecificity Score	Polyspecificity Category
ADI-55966	0.06	A
ADI-55967	0.06	A
ADI-55968	0.06	A
ADI-55969	0.23	B
ADI-55970	0.10	B
ADI-55972	0.04	A
ADI-55973	0.06	A
ADI-55974	0.06	A
ADI-55975	0.10	B
ADI-55976	0.10	B
ADI-55977	0.06	A
ADI-55978	0.04	A
ADI-55979	0.05	A
ADI-55980	0.10	B
ADI-55981	0.08	A
ADI-55982	0.07	A
ADI-55984	0.06	A
ADI-55986	0.83	D
ADI-55988	0.07	A
ADI-55989	0.08	A
ADI-55990	0.08	A
ADI-55992	0.06	A
ADI-55993	0.04	A
ADI-55994	0.06	A
ADI-55995	0.07	A

ADI ID	Polyspecificity Score	Polyspecificity Category
ADI-55996	0.07	A
ADI-55997	0.10	B
ADI-55998	0.10	B
ADI-55999	0.09	A
ADI-56000	0.05	A
ADI-56001	0.08	A
ADI-56002	0.04	A
ADI-56003	0.06	A
ADI-56004	0.05	A
ADI-56005	0.06	A
ADI-56006	0.08	A
ADI-56007	0.10	A
ADI-56008	0.10	B
ADI-56009	0.06	A
ADI-56010	0.07	A
ADI-56011	0.08	A
ADI-56012	0.04	A
ADI-56013	0.11	B
ADI-56014	0.06	A
ADI-56015	0.09	A
ADI-56016	0.14	B
ADI-56017	0.10	B
ADI-56018	0.07	A
ADI-56019	0.07	A
ADI-56020	0.05	A

FIG. 13B

ADI ID	Polyspecificity Score	Polyspecificity Category
ADI-56021	0.08	A
ADI-56022	0.06	A
ADI-56023	0.10	B
ADI-56024	0.07	A
ADI-56025	0.10	B
ADI-56026	0.11	B
ADI-56027	0.10	B
ADI-56028	0.06	A
ADI-56029	0.06	A
ADI-56030	0.05	A
ADI-56031	0.07	A
ADI-56032	0.05	A
ADI-56033	0.06	A
ADI-56034	0.08	A
ADI-56035	0.10	B
ADI-56037	0.06	A
ADI-56038	0.10	B
ADI-56039	0.05	A
ADI-56040	0.04	A
ADI-56041	0.06	A
ADI-56042	0.05	A
ADI-56043	0.06	A
ADI-56044	0.06	A
ADI-56045	0.00	A
ADI-56046	0.00	A

ADI ID	Polyspecificity Score	Polyspecificity Category
ADI-56047	0.04	A
ADI-56048	0.00	A
ADI-56049	0.00	A
ADI-56050	0.00	A
ADI-56051	0.00	A
ADI-56052	0.01	A
ADI-56053	0.04	A
ADI-56054	0.00	A
ADI-56055	0.00	A
ADI-56056	0.00	A
ADI-56057	0.00	A
ADI-56058	0.00	A
ADI-56059	0.00	A
ADI-56061	0.00	A
ADI-56062	0.00	A
ADI-56063	0.00	A
ADI-56064	0.00	A
ADI-56065	0.00	A
ADI-56066	0.00	A
ADI-56067	0.00	A
ADI-56068	0.00	A
ADI-56069	0.00	A
ADI-56070	0.00	A
ADI-56071	0.00	A
ADI-56072	0.00	A

ADI ID	Polyspecificity Score	Polyspecificity Category
ADI-56073	0.00	A
ADI-56074	0.10	B
ADI-56075	0.00	A
ADI-56076	0.02	A
ADI-56078	0.12	B
ADI-56079	0.00	A
ADI-56080	0.00	A
ADI-56081	0.00	A
ADI-56082	0.08	A
ADI-56083	0.08	A
ADI-56084	0.02	A

FIG. 13C

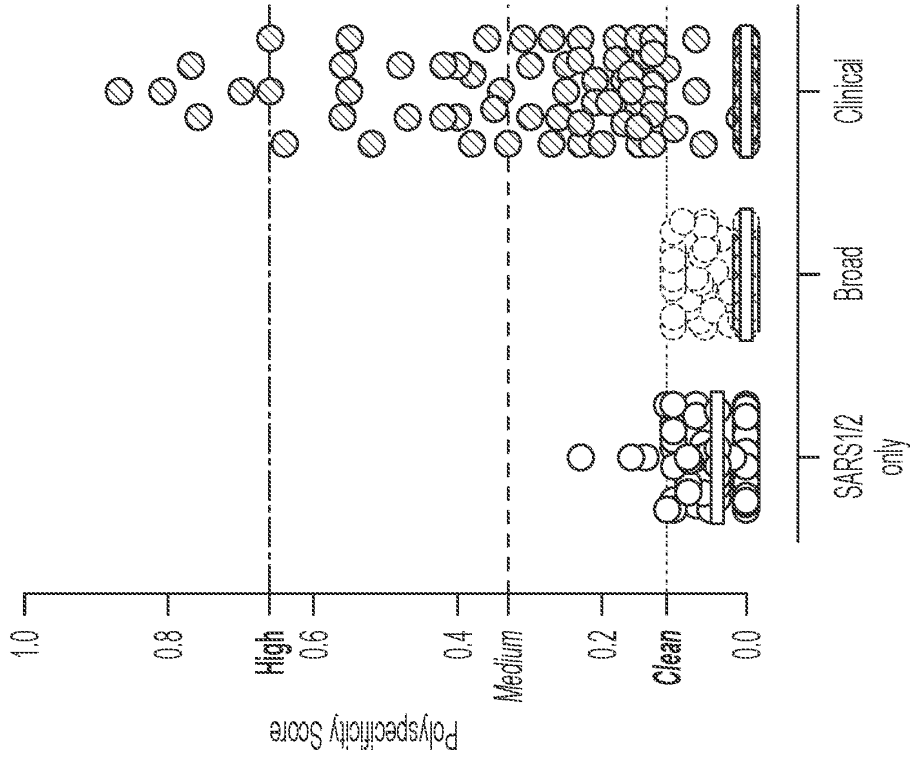


FIG. 13D

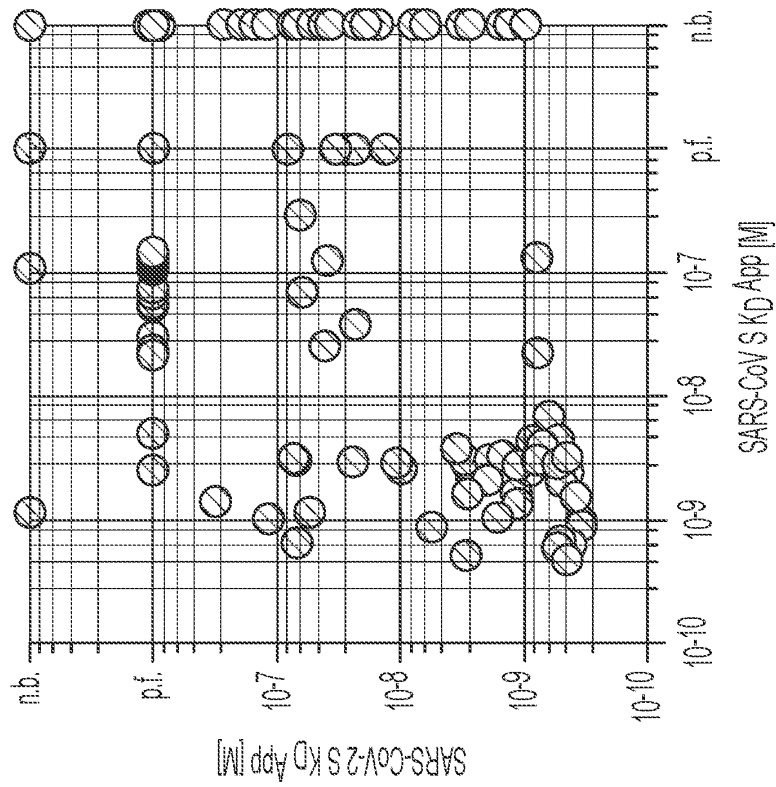


FIG. 14A

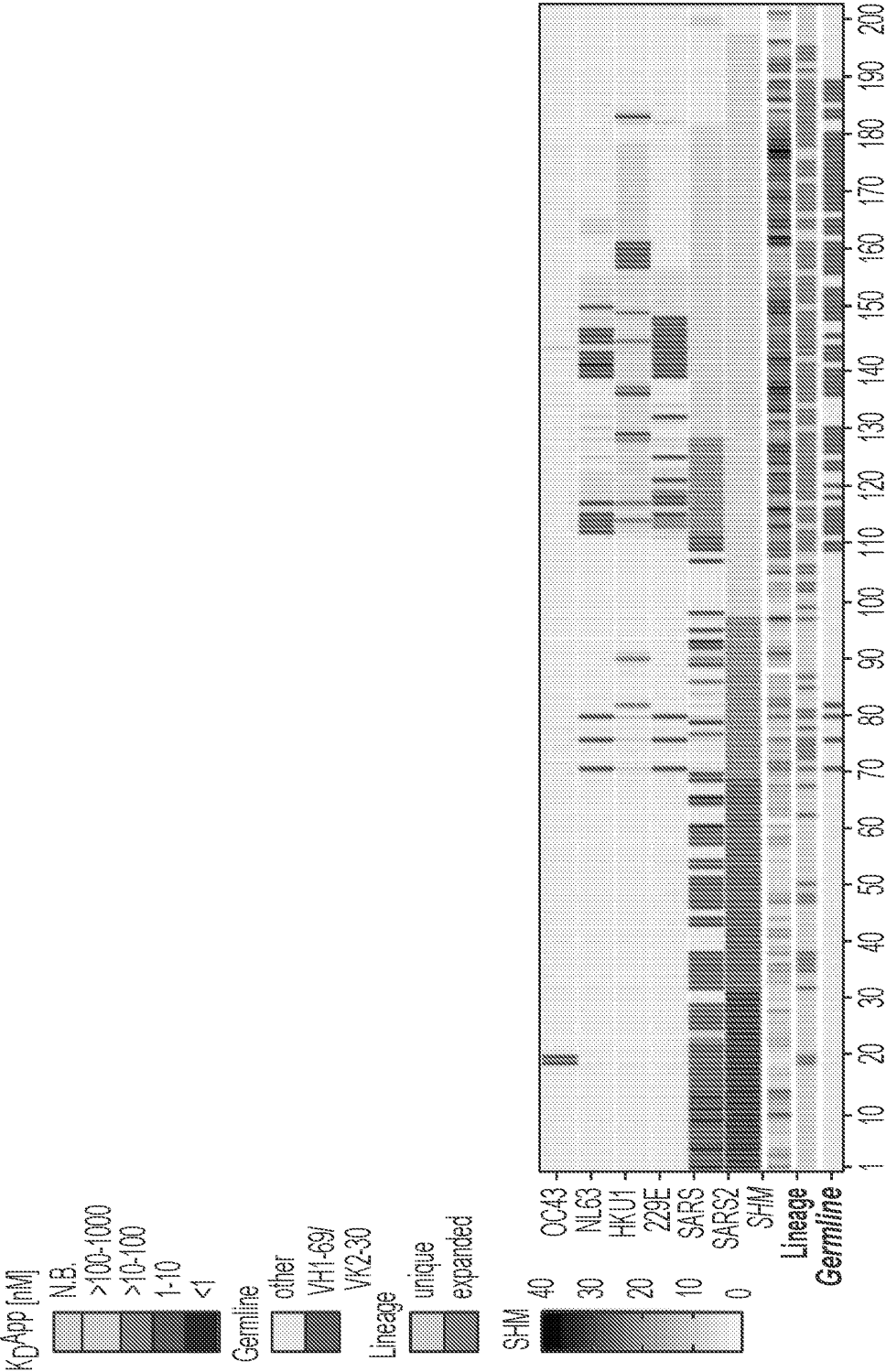


FIG. 14B

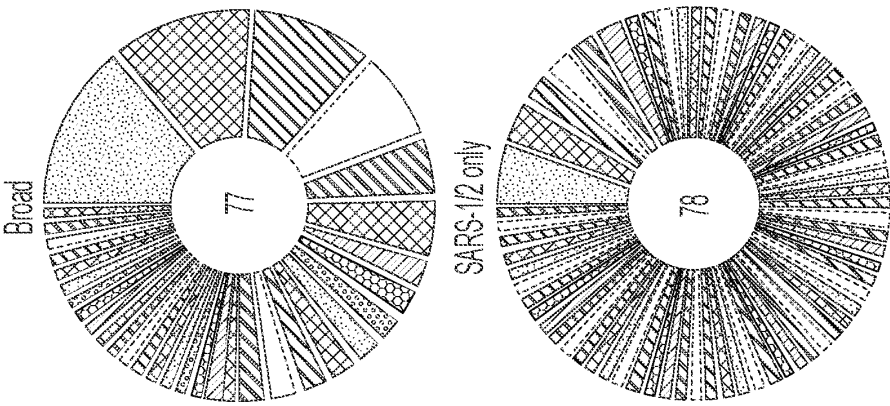


FIG. 14D

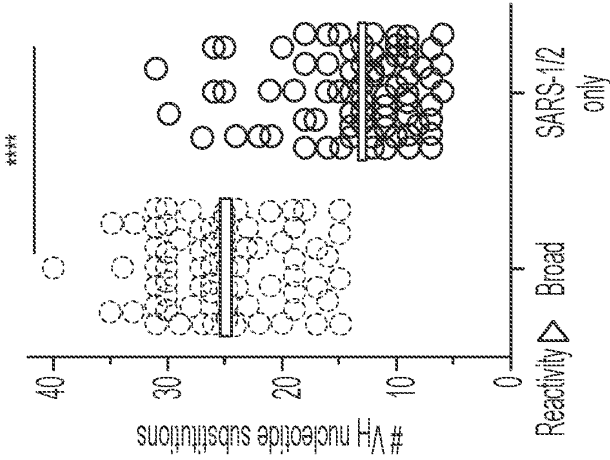


FIG. 14C

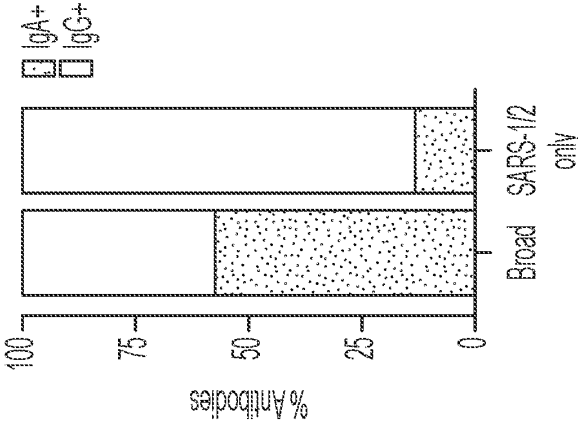


FIG. 14E

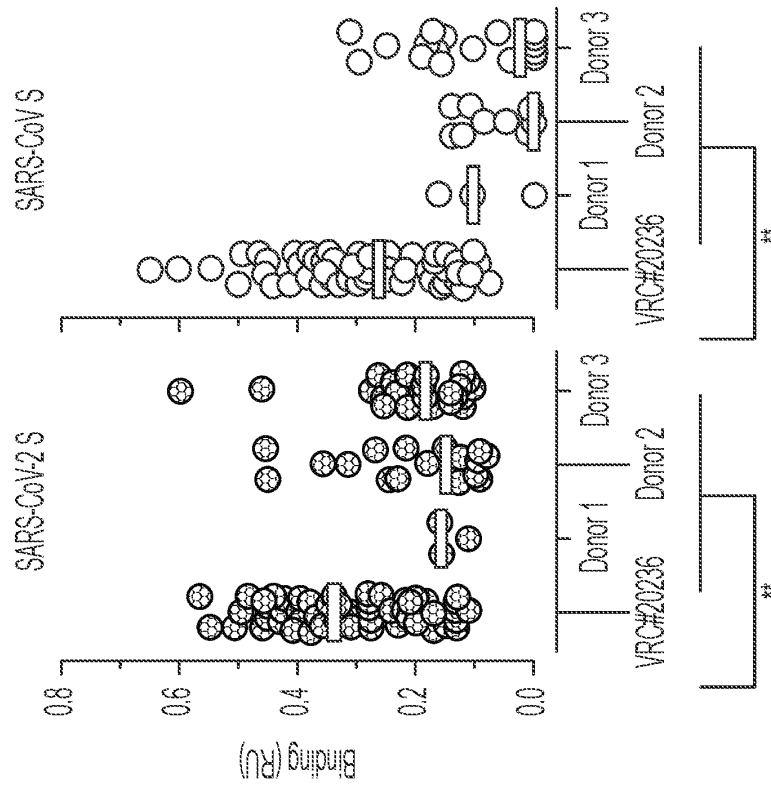


FIG. 14G

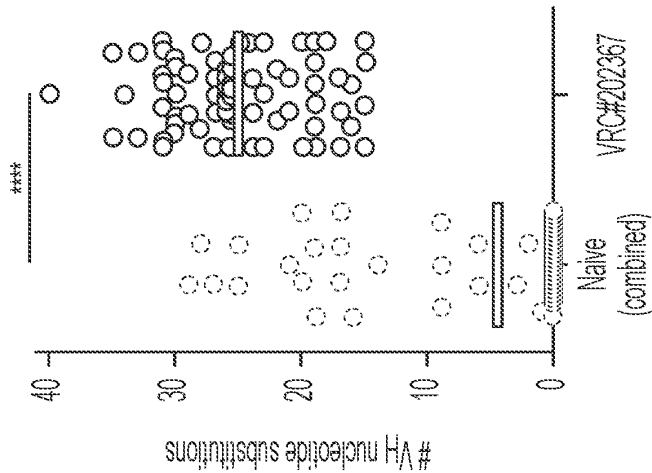


FIG. 14F

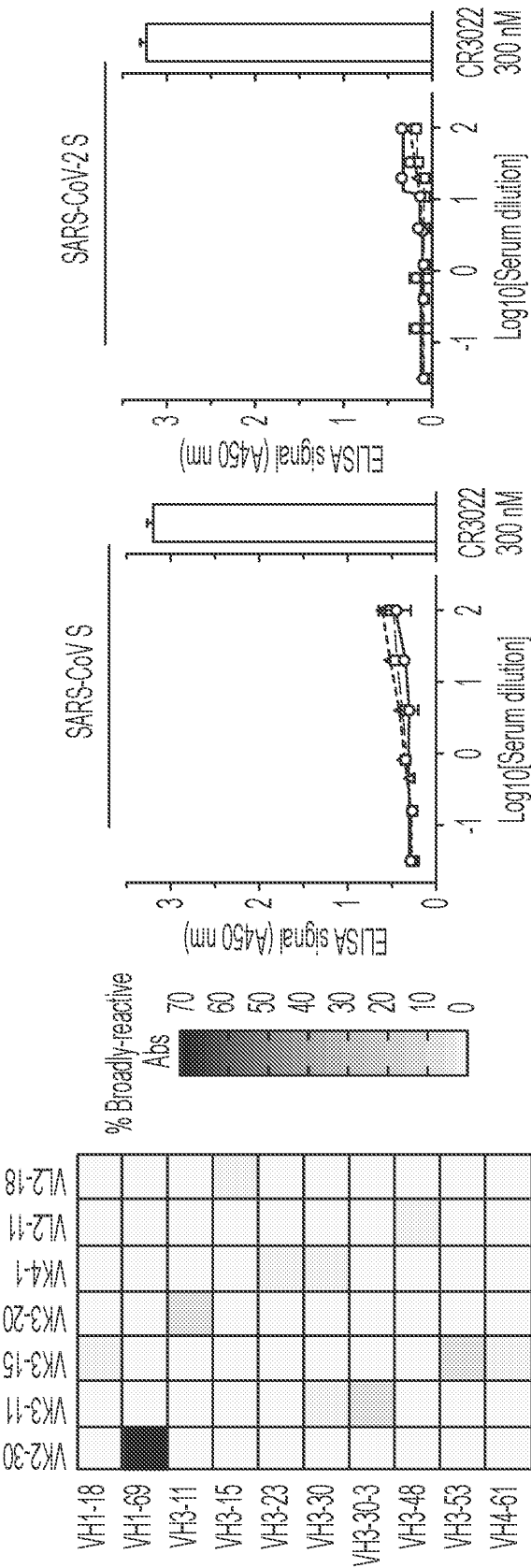


FIG. 14H

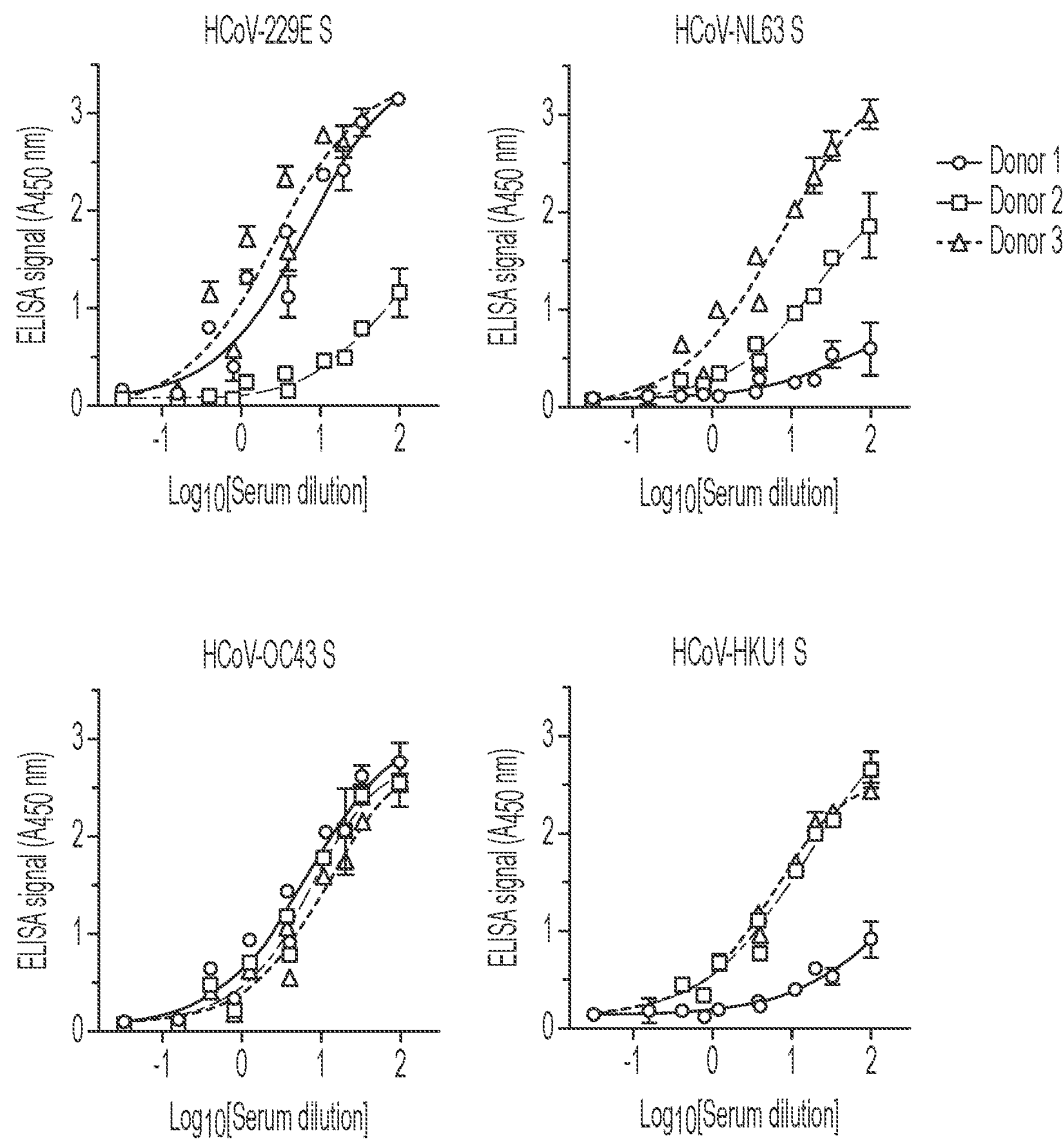


FIG. 14J

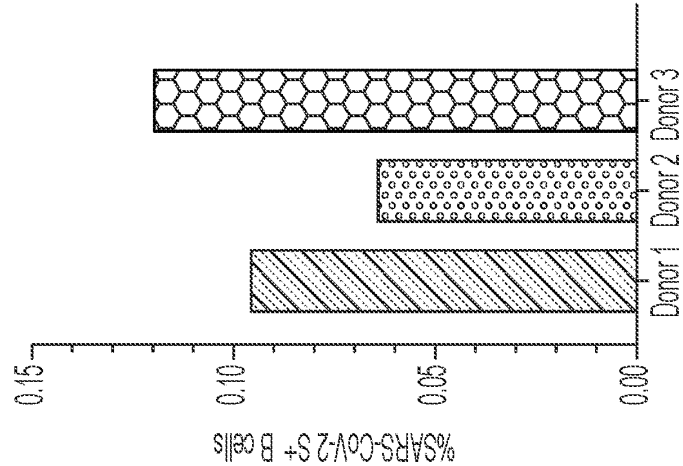


FIG. 14K

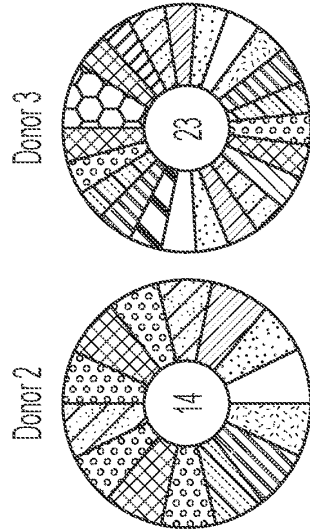


FIG. 14L

ADID	Monovalent SARS-CoV-2 S1 KD [M]	Monovalent SARS-CoV-2 S1 kon	Monovalent SARS-CoV-2 S1 koff	Monovalent SARS-CoV-2 S1 Response	AVID SARS- CoV-2 S1 KD [M]	AVID SARS- CoV-2 S1 kon	AVID SARS- CoV-2 S1 koff	AVID SARS- CoV-2 S1 Response
ADI-55688	1.00E-06			0.30	1.61E-09	3.20E+05	5.14E-04	0.59
ADI-55689	2.12E-08	1.78E+05	3.78E-03	0.43	6.03E-10	3.80E+05	2.29E-04	0.61
ADI-55690	1.41E-07	9.36E+04	1.32E-02	0.36	8.45E-10	3.85E+05	3.26E-04	0.56
ADI-55691	N.B.			0.05	N.B.			0.02
ADI-55692	2.15E-08	1.04E+05	2.23E-03	0.23	2.17E-08	6.71E+05	1.46E-02	0.49
ADI-55693								
ADI-55694	1.00E-06			0.16	3.92E-09	1.83E+05	7.20E-04	0.48
ADI-55695	N.B.			0.02	N.B.			-0.01
ADI-55696	N.B.			0.04	N.B.			-0.01
ADI-55697	N.B.			0.08	3.52E-07	1.24E+05	4.35E-02	0.11
ADI-55698	N.B.			0.02	N.B.			0.01
ADI-55699	1.69E-09	1.18E+05	2.00E-04	0.50	3.85E-10	3.12E+05	1.20E-04	0.66
ADI-55700	N.B.			0.02	N.B.			0.00
ADI-55701	N.B.			0.03	N.B.			0.00
ADI-55702								
ADI-55703	N.B.			0.02	N.B.			0.02
ADI-55704	N.B.			0.01	N.B.			0.01
ADI-55705	N.B.			0.03	N.B.			0.01
ADI-55706	N.B.			0.03	N.B.			-0.01
ADI-55707	N.B.			0.10	3.92E-09	1.28E+05	5.02E-04	0.33
ADI-55708	2.69E-07	4.59E+04	1.24E-02	0.12	3.45E-09	1.26E+05	4.33E-04	0.32
ADI-55709								
ADI-55710	N.B.			0.06	3.48E-08	4.04E+05	1.41E-02	0.17
ADI-55711	4.21E-09	8.79E+04	3.70E-04	0.24	5.22E-10	2.30E+05	1.20E-04	0.29
ADI-55712	N.B.			0.02	N.B.			0.00

FIG. 15A

ADI ID	Monovalent SARS-CoV-2 S1 KD [M]	Monovalent SARS-CoV-2 S1 kon	Monovalent SARS-CoV-2 S1 koff	Monovalent SARS-CoV-2 S1 Response	AVID SARS- CoV-2 S1 KD [M]	AVID SARS- CoV-2 S1 kon	AVID SARS- CoV-2 S1 koff	AVID SARS- CoV-2 S1 Response
ADI-55713								
ADI-55714	N.B.			0.02	N.B.			0.01
ADI-55715	N.B.			0.03	N.B.			0.01
ADI-55716	N.B.			0.05	5.82E-08	1.37E+05	8.00E-03	0.24
ADI-55717								
ADI-55718	N.B.			0.06	4.30E-08	1.98E+05	8.51E-03	0.25
ADI-55719	N.B.			0.08	5.11E-09	1.09E+05	5.57E-04	0.31
ADI-55721	N.B.			0.03	N.B.			-0.01
ADI-55722	N.B.			0.02	N.B.			0.01
ADI-55723	N.B.			0.01	N.B.			0.02
ADI-55724	N.B.			0.03	N.B.			0.02
ADI-55725	N.B.			-0.01	N.B.			0.02
ADI-55726	N.B.			0.04	N.B.			0.01
ADI-55727	1.41E-08	9.20E+04	1.30E-03	0.27	9.79E-10	2.25E+05	2.20E-04	0.41
ADI-55728	N.B.			0.03	N.B.			0.01
ADI-55729	N.B.			0.03	N.B.			0.03
ADI-55730	N.B.			0.05	6.30E-08	2.60E+05	1.64E-02	0.16
ADI-55731	N.B.			0.03	N.B.			0.01
ADI-55732	N.B.			0.02	N.B.			0.01
ADI-55733	N.B.			0.05	n.d.			
ADI-55734	1.04E-08	1.06E+05	1.10E-03	0.20	2.18E-09	1.73E+05	3.78E-04	0.27
ADI-55735	N.B.			0.04	N.B.			0.01
ADI-55736	N.B.			0.03	N.B.			-0.01
ADI-55737	1.00E-06			0.12	1.77E-08	3.54E+05	6.27E-03	0.41
ADI-55738	1.00E-06							

FIG. 15B

ADI ID	Monovalent SARS-CoV-2 S1 KD [M]		Monovalent SARS-CoV-2 S1 kon		Monovalent SARS-CoV-2 S1 koff		Monovalent SARS-CoV-2 S1 Response		AVID SARS-CoV-2 S1 KD [M]		AVID SARS-CoV-2 S1 kon		AVID SARS-CoV-2 S1 koff		AVID SARS-CoV-2 S1 Response	
	S1 KD [M]		S1 kon		S1 koff		S1 Response		KD [M]		kon		koff		Response	
ADI-55739	N.B.						0.01		N.B.						-0.01	
ADI-55740	N.B.						0.03		N.B.						-0.01	
ADI-55741	N.B.						0.03		N.B.						0.01	
ADI-55742	N.B.						0.02		N.B.						0.00	
ADI-55743	N.B.						0.03		N.B.						0.01	
ADI-55744																
ADI-55745	N.B.						0.02		N.B.						0.00	
ADI-55746	N.B.						0.01		N.B.						0.00	
ADI-55747	N.B.						0.05		N.B.						0.00	
ADI-55748	N.B.						0.02		N.B.						0.03	
ADI-55749	1.79E-09	1.12E+05			2.00E-04		0.37		5.16E-10		2.33E+05		1.20E-04		0.58	
ADI-55750	N.B.						0.04		N.B.						0.02	
ADI-55751	N.B.						0.03		N.B.						0.04	
ADI-55752	N.B.						0.00		N.B.						-0.01	
ADI-55753	N.B.						0.02		n.d.							
ADI-55754	3.42E-09	1.02E+05			3.50E-04		0.41		5.64E-10		2.13E+05		1.20E-04		0.55	
ADI-55755	N.B.						0.01		N.B.						0.00	
ADI-55756	N.B.						0.03		N.B.						0.01	
ADI-55757	N.B.						0.10		n.d.							
ADI-55758	N.B.						0.02		n.d.							
ADI-55760	N.B.															
ADI-55761	N.B.						0.01		n.d.							
ADI-55762	N.B.						0.03		n.d.							
ADI-55763	N.B.						0.04		n.d.							

FIG. 15C

ADID	Monovalent SARS-CoV-2 S1 KD [M]	Monovalent SARS-CoV-2 S1 kon	Monovalent SARS-CoV-2 S1 koff	Monovalent SARS-CoV-2 S1 Response	AVID SARS- CoV-2 S1 KD [M]	AVID SARS- CoV-2 S1 kon	AVID SARS- CoV-2 S1 koff	AVID SARS- CoV-2 S1 Response
ADI-55765	N.B.			0.02	n.d.			
ADI-55766	N.B.			0.01	n.d.			
ADI-55767	N.B.			0.04	n.d.			
ADI-55769	N.B.			0.02	n.d.			
ADI-55770	N.B.			0.03	n.d.			
ADI-55771	N.B.			0.04	n.d.			
ADI-55775	N.B.			0.03	n.d.			
ADI-55776	N.B.			0.04	n.d.			
ADI-55777	N.B.			0.02	n.d.			
ADI-55950	N.B.			0.00	N.B.			0.00
ADI-55951	1.00E-06			0.17	5.75E-09	1.63E+05	9.39E-04	0.46
ADI-55952	N.B.			0.00	N.B.			0.01
ADI-55953	N.B.			0.02	N.B.			0.00
ADI-55954	N.B.			0.01	N.B.			0.00
ADI-55955	8.59E-08	4.96E+04	4.26E-03	0.12	2.14E-09	1.59E+05	3.40E-04	0.35
ADI-55956	N.B.			0.00	N.B.			-0.01
ADI-55957	N.B.			0.02	N.B.			0.00
ADI-55958	2.61E-07	3.03E+04	7.93E-03	0.18	7.98E-09	1.19E+05	9.49E-04	0.40
ADI-55959	N.B.			0.01	N.B.			0.00
ADI-55960	N.B.			0.08	3.69E-09	1.49E+05	5.48E-04	0.34
ADI-55961	N.B.			0.00	N.B.			0.01
ADI-55962	N.B.			0.01	N.B.			0.00
ADI-55963	N.B.			0.01	N.B.			0.01
ADI-55964	N.B.			0.02	N.B.			0.04
ADI-55965	N.B.			0.01	N.B.			-0.02

FIG. 15D

ADID	Monovalent SARS-CoV-2 S1 KD [M]	Monovalent SARS-CoV-2 S1 kon	Monovalent SARS-CoV-2 S1 koff	Monovalent SARS-CoV-2 S1 Response	AVID SARS- CoV-2 S1 KD [M]	AVID SARS- CoV-2 S1 kon	AVID SARS- CoV-2 S1 koff	AVID SARS- CoV-2 S1 Response
ADI-55966	N.B.			0.01	N.B.			0.01
ADI-55967	N.B.			0.01	N.B.			0.00
ADI-55968	N.B.			0.01	N.B.			0.00
ADI-55969	N.B.			0.06	2.31E-09	5.43E+05	1.26E-03	0.26
ADI-55970	N.B.			0.00	N.B.			0.01
ADI-55972	N.B.			0.02	N.B.			0.00
ADI-55973	N.B.			0.02	N.B.			0.00
ADI-55974	N.B.			0.00	N.B.			0.01
ADI-55975	N.B.			0.00	N.B.			0.04
ADI-55976	N.B.			0.01	N.B.			-0.01
ADI-55977	N.B.			0.04	9.05E-08	2.18E+05	1.98E-02	0.20
ADI-55978	1.09E-07	6.20E+04	6.75E-03	0.10	3.44E-09	1.97E+05	6.76E-04	0.36
ADI-55979	N.B.			0.00	N.B.			-0.01
ADI-55980	N.B.			0.02	N.B.			0.00
ADI-55981	N.B.			0.02	N.B.			-0.01
ADI-55982	N.B.			0.03	N.B.			0.01
ADI-55984	N.B.			0.02	N.B.			0.01
ADI-55986	N.B.			0.02	N.B.			0.02
ADI-55988	N.B.			0.04	5.81E-08	2.62E+05	1.52E-02	0.17
ADI-55989	N.B.			0.02	N.B.			0.00
ADI-55990	N.B.			0.02	N.B.			-0.02
ADI-55992	N.B.			0.00	N.B.			0.01
ADI-55993	N.B.			0.09	1.72E-09	6.97E+04	1.20E-04	0.23
ADI-55994	N.B.			0.01	N.B.			-0.01
ADI-55995	N.B.			0.00	N.B.			0.00

FIG. 15E

ADID	Monovalent SARS-CoV-2 S1 KD [M]	Monovalent SARS-CoV-2 S1 kon	Monovalent SARS-CoV-2 S1 koff	Monovalent SARS-CoV-2 S1 Response	AVID SARS- CoV-2 S1 KD [M]	AVID SARS- CoV-2 S1 kon	AVID SARS- CoV-2 S1 koff	AVID SARS- CoV-2 S1 Response
ADI-55996	N.B.			0.02	N.B.			0.01
ADI-55997	N.B.			0.00	N.B.			0.04
ADI-55998	3.61E-07	3.36E+04	1.21E-02	0.13	6.32E-09	8.01E+04	5.06E-04	0.27
ADI-55999	N.B.			0.02	N.B.			0.01
ADI-56000	8.05E-08	2.15E+04	1.73E-03	0.10	1.66E-09	7.24E+04	1.20E-04	0.30
ADI-56001	N.B.			0.00	N.B.			0.00
ADI-56002	N.B.			0.02	N.B.			0.00
ADI-56003	N.B.			0.07	1.67E-09	7.19E+04	1.20E-04	0.16
ADI-56004	N.B.			0.08	4.49E-09	1.72E+05	7.71E-04	0.21
ADI-56005	N.B.			0.01	N.B.			0.02
ADI-56006	N.B.			0.01	N.B.			-0.01
ADI-56007	N.B.			0.06	4.86E-08	4.13E+05	2.01E-02	0.28
ADI-56008	N.B.			0.00	N.B.			0.01
ADI-56009	N.B.			0.03	N.B.			0.01
ADI-56010	1.03E-08	1.06E+05	1.09E-03	0.47	4.58E-10	2.62E+05	1.20E-04	0.62
ADI-56011	7.22E-08	4.41E+04	3.18E-03	0.17	1.36E-09	2.84E+05	3.86E-04	0.29
ADI-56012	N.B.			0.01	N.B.			0.00
ADI-56013	N.B.			0.02	N.B.			0.01
ADI-56014	N.B.			0.00	N.B.			0.00
ADI-56015	N.B.			0.01	N.B.			0.01
ADI-56016	N.B.			0.01	N.B.			0.02
ADI-56017	N.B.			0.03	N.B.			0.08
ADI-56018	N.B.			0.01	N.B.			0.01
ADI-56019	N.B.			0.01	N.B.			0.00
ADI-56020	2.85E-09	7.01E+04	2.00E-04	0.19	1.25E-09	9.58E+04	1.20E-04	0.42

FIG. 15F

ADID	Monovalent SARS-CoV-2 S1 KD [M]	Monovalent SARS-CoV-2 S1 kon	Monovalent SARS-CoV-2 S1 koff	Monovalent SARS-CoV-2 S1 Response	AVID SARS- CoV-2 S1 KD [M]	AVID SARS- CoV-2 S1 kon	AVID SARS- CoV-2 S1 koff	AVID SARS- CoV-2 S1 Response
ADI-56021	N.B.			0.01	N.B.			0.02
ADI-56022	N.B.			0.02	N.B.			-0.01
ADI-56023	N.B.			0.02	N.B.			0.00
ADI-56024	N.B.			0.04	9.60E-09	1.69E+05	1.62E-03	0.17
ADI-56025	N.B.			0.01	N.B.			-0.01
ADI-56026	N.B.			0.03	6.10E-08	1.46E+05	8.89E-03	0.12
ADI-56027	N.B.			0.00	N.B.			-0.01
ADI-56028	N.B.			0.03	N.B.			0.01
ADI-56029	N.B.			0.02	N.B.			-0.01
ADI-56030	N.B.			0.00	N.B.			0.01
ADI-56031	N.B.			0.02	N.B.			0.00
ADI-56032	N.B.			0.02	N.B.			0.02
ADI-56033	N.B.			0.01	N.B.			0.00
ADI-56034	N.B.			0.02	N.B.			-0.01
ADI-56035	1.00E-06			0.16	5.88E-09	2.27E+05	1.34E-03	0.56
ADI-56037	N.B.			0.01	N.B.			0.00
ADI-56038	N.B.			0.01	N.B.			-0.01
ADI-56039	N.B.			0.01	N.B.			0.01
ADI-56040	6.14E-08	7.90E+04	4.85E-03	0.22	8.16E-10	1.47E+05	1.20E-04	0.50
ADI-56041	N.B.			0.02	N.B.			0.00
ADI-56042	N.B.			0.03	5.79E-09	6.58E+04	3.81E-04	0.14
ADI-56043	N.B.			0.01	N.B.			-0.02
ADI-56044	N.B.			0.01	N.B.			-0.01
ADI-56045	N.B.			0.01	N.B.			0.00
ADI-56046	3.31E-09	1.32E+05	4.36E-04	0.52	3.28E-10	3.66E+05	1.20E-04	0.63

FIG. 15G

ADID	Monovalent SARS-CoV-2 S1 KD [M]	Monovalent SARS-CoV-2 S1 kon	Monovalent SARS-CoV-2 S1 koff	Monovalent SARS-CoV-2 S1 Response	AVID SARS- CoV-2 S1 KD [M]	AVID SARS- CoV-2 S1 kon	AVID SARS- CoV-2 S1 koff	AVID SARS- CoV-2 S1 Response
AD-56047	N.B.			0.01	N.B.			0.01
AD-56048	N.B.			0.01	N.B.			0.00
AD-56049	N.B.			-0.01	N.B.			0.01
AD-56050	N.B.			0.02	N.B.			0.01
AD-56051	N.B.			0.02	5.49E-08	2.06E+04	1.13E-03	0.16
AD-56052	N.B.			0.01	N.B.			0.00
AD-56053	N.B.			0.01	1.00E-06			0.11
AD-56054	N.B.			-0.01	N.B.			-0.01
AD-56055	N.B.			0.00	N.B.			-0.01
AD-56056	N.B.			0.02	N.B.			0.02
AD-56057	N.B.			0.00	N.B.			0.02
AD-56058	N.B.			0.08	5.53E-09	1.09E+05	6.03E-04	0.42
AD-56059	N.B.			0.01	N.B.			0.01
AD-56061	N.B.			0.01	N.B.			-0.01
AD-56062	N.B.			0.01	N.B.			0.01
AD-56063	N.B.			0.00	N.B.			0.01
AD-56064	N.B.			0.00	N.B.			0.01
AD-56065	N.B.			0.04	1.25E-08	1.02E+05	1.27E-03	0.28
AD-56066	N.B.			0.02	N.B.			0.08
AD-56067	N.B.			-0.01	N.B.			0.00
AD-56068	N.B.			0.02	N.B.			0.04
AD-56069	N.B.			0.01	N.B.			-0.01
AD-56070	N.B.			0.01	1.95E-08	1.08E+05	2.10E-03	0.17
AD-56071	3.75E-07	3.55E+04	1.33E-02	0.21	1.54E-09	7.78E+04	1.20E-04	0.45
AD-56072	N.B.			0.01	N.B.			0.01

FIG. 15H

ADI ID	Monovalent SARS-CoV-2 S1 KD [M]	Monovalent SARS-CoV-2 S1 kon	Monovalent SARS-CoV-2 S1 koff	Monovalent SARS-CoV-2 S1 Response	AVID SARS- CoV-2 S1 KD [M]	AVID SARS- CoV-2 S1 kon	AVID SARS- CoV-2 S1 koff	AVID SARS- CoV-2 S1 Response
ADI-56073	N.B.			0.01	N.B.			0.04
ADI-56074	N.B.			0.04	2.23E-09	1.09E+05	2.44E-04	0.14
ADI-56075	N.B.			0.01	N.B.			0.00
ADI-56076	N.B.			0.02	N.B.			0.00
ADI-56078	N.B.			0.02	N.B.			0.03
ADI-56079	N.B.			0.02	N.B.			0.01
ADI-56080	N.B.			0.03	N.B.			0.01
ADI-56081	3.48E-09	7.92E+04	2.76E-04	0.30	4.38E-10	2.74E+05	1.20E-04	0.37
ADI-56082	N.B.			0.00	N.B.			-0.01
ADI-56083	N.B.			0.02	N.B.			0.01
ADI-56084	N.B.			0.02	N.B.			-0.01

FIG. 15I

ADI ID	SARS-CoV-2 S2 KD [M]	SARS-CoV-2 S2 kon	SARS-CoV-2 S2 koff	SARS-CoV-2 S2 Response
ADI-55688	N.B.			0.04
ADI-55689	N.B.			0.04
ADI-55690	N.B.			0.03
ADI-55691	N.B.			0.02
ADI-55692	N.B.			0.03
ADI-55693				
ADI-55694	N.B.			0.02
ADI-55695	N.B.			0.02
ADI-55696	N.B.			0.03
ADI-55697	N.B.			0.04
ADI-55698	N.B.			0.04
ADI-55699	N.B.			0.03
ADI-55700	N.B.			0.04
ADI-55701	N.B.			0.02
ADI-55702				
ADI-55703	2.43E-09	1.97E+05	4.79E-04	0.28
ADI-55704	N.B.			0.02
ADI-55705	N.B.			0.03
ADI-55706	N.B.			0.03
ADI-55707	N.B.			0.03
ADI-55708	N.B.			0.04
ADI-55809				
ADI-55710	N.B.			0.02
ADI-55711	N.B.			0.02
ADI-55712	N.B.			0.04

ADI ID	SARS-CoV-2 S2 KD [M]	SARS-CoV-2 S2 kon	SARS-CoV-2 S2 koff	SARS-CoV-2 S2 Response
ADI-55713				
ADI-55714	N.B.			0.03
ADI-55715	N.B.			0.04
ADI-55716	N.B.			0.02
ADI-55717				
ADI-55718	N.B.			0.03
ADI-55719	N.B.			0.03
ADI-55721	N.B.			0.04
ADI-55722	N.B.			0.03
ADI-55723	N.B.			0.04
ADI-55724	6.71E-10	1.79E+05	1.20E-04	0.53
ADI-55725	N.B.			0.03
ADI-55726	N.B.			0.03
ADI-55727	N.B.			0.03
ADI-55728	N.B.			0.04
ADI-55729	N.B.			0.03
ADI-55730	N.B.			0.06
ADI-55731	N.B.			0.03
ADI-55732	5.92E-10	2.13E+05	1.26E-04	0.52
ADI-55733	n.d.			
ADI-55734	N.B.			0.03
ADI-55735	N.B.			0.04
ADI-55736	N.B.			0.03
ADI-55737	N.B.			0.04
ADI-55738				

FIG. 16A

ADI ID	SARS-CoV-2 S2 KD [M]	SARS-CoV-2 S2 kon	SARS-CoV-2 S2 koff	SARS-CoV-2 S2 Response
ADI-55739	N.B.			0.02
ADI-55740	N.B.			0.03
ADI-55741	N.B.			0.02
ADI-55742	N.B.			0.04
ADI-55743	N.B.			0.03
ADI-55744				
ADI-55745	N.B.			0.02
ADI-55746	4.22E-09	9.43E+04	3.98E-04	0.21
ADI-55747	N.B.			0.03
ADI-55748	N.B.			0.05
ADI-55749	N.B.			0.03
ADI-55750	N.B.			0.03
ADI-55751	N.B.			0.04
ADI-55752	N.B.			0.03
ADI-55753	n.d.			0.05
ADI-55754	N.B.			0.03
ADI-55755	N.B.			0.03
ADI-55756	N.B.			
ADI-55757	n.d.			
ADI-55758	n.d.			
ADI-55720				
ADI-55760	n.d.			
ADI-55761	n.d.			
ADI-55762	n.d.			
ADI-55763	n.d.			

ADI ID	SARS-CoV-2 S2 KD [M]	SARS-CoV-2 S2 kon	SARS-CoV-2 S2 koff	SARS-CoV-2 S2 Response
ADI-55765	n.d.			
ADI-55766	n.d.			
ADI-55767	n.d.			
ADI-55769	n.d.			
ADI-55770	n.d.			
ADI-55771	n.d.			
ADI-55775	n.d.			
ADI-55776	n.d.			
ADI-55777	n.d.			
ADI-55950	N.B.			0.02
ADI-55951	N.B.			0.04
ADI-55952	N.B.			0.02
ADI-55953	N.B.			0.03
ADI-55954	N.B.			0.02
ADI-55955	N.B.			0.03
ADI-55956	N.B.			0.06
ADI-55957	N.B.			0.01
ADI-55958	N.B.			0.03
ADI-55959	N.B.			0.03
ADI-55960	N.B.			0.04
ADI-55961	N.B.			0.02
ADI-55962	N.B.			0.03
ADI-55963	N.B.			0.03
ADI-55964	N.B.			0.02
ADI-55965	N.B.			0.04

FIG. 16B

ADI ID	SARS-CoV-2 S2 KD [M]	SARS-CoV-2 S2 kon	SARS-CoV-2 S2 koff	SARS-CoV-2 S2 Response
ADI-55966	N.B.			0.03
ADI-55967	N.B.			0.03
ADI-55968	N.B.			0.04
ADI-55969	N.B.			0.04
ADI-55970	N.B.			0.03
ADI-55972	N.B.			0.04
ADI-55973	N.B.			0.04
ADI-55974	N.B.			0.03
ADI-55975	N.B.			0.04
ADI-55976	N.B.			0.03
ADI-55977	N.B.			0.04
ADI-55978	N.B.			0.04
ADI-55979	N.B.			0.04
ADI-55980	N.B.			0.04
ADI-55981	N.B.			0.04
ADI-55982	N.B.			0.04
ADI-55984	N.B.			0.04
ADI-55986	N.B.			0.04
ADI-55988	N.B.			0.04
ADI-55989	1.40E-08	1.39E+05	1.95E-03	0.32
ADI-55990	N.B.			0.03
ADI-55992	9.25E-10	1.48E+05	1.37E-04	0.41
ADI-55993	N.B.			0.04
ADI-55994	1.00E-06			0.10
ADI-55995	N.B.			0.05
ADI ID	SARS-CoV-2 S2 KD [M]	SARS-CoV-2 S2 kon	SARS-CoV-2 S2 koff	SARS-CoV-2 S2 Response
ADI-55996	N.B.			0.03
ADI-55997	N.B.			0.04
ADI-55998	N.B.			0.05
ADI-55999	N.B.			0.03
ADI-56000	N.B.			0.04
ADI-56001	1.27E-09	1.56E+05	1.99E-04	0.26
ADI-56002	N.B.			0.03
ADI-56003	N.B.			0.04
ADI-56004	N.B.			0.04
ADI-56005	1.19E-07	1.26E+05	1.50E-02	0.20
ADI-56006	1.71E-09	3.05E+05	5.22E-04	0.28
ADI-56007	N.B.			0.02
ADI-56008	N.B.			0.04
ADI-56009	N.B.			0.05
ADI-56010	N.B.			0.05
ADI-56011	N.B.			0.05
ADI-56012	N.B.			0.03
ADI-56013	N.B.			0.03
ADI-56014	N.B.			0.04
ADI-56015	N.B.			0.04
ADI-56016	3.15E-08	1.49E+05	4.70E-03	0.36
ADI-56017	N.B.			0.03
ADI-56018	N.B.			0.03
ADI-56019	N.B.			0.03
ADI-56020	N.B.			0.04

FIG. 16C

ADI ID	SARS-CoV-2 S2 KD [M]	SARS-CoV-2 S2 kon	SARS-CoV-2 S2 koff	SARS-CoV-2 S2 Response
ADI-56021	N.B.			0.04
ADI-56022	N.B.			0.03
ADI-56023	N.B.			0.04
ADI-56024	N.B.			0.05
ADI-56025	N.B.			0.05
ADI-56026	N.B.			0.04
ADI-56027	N.B.			0.04
ADI-56028	N.B.			0.03
ADI-56029	N.B.			0.03
ADI-56030	N.B.			0.03
ADI-56031	N.B.			0.03
ADI-56032	N.B.			0.04
ADI-56033	1.00E-06			0.07
ADI-56034	4.87E-09	1.01E+05	4.93E-04	0.26
ADI-56035	N.B.			0.03
ADI-56037	N.B.			0.03
ADI-56038	N.B.			0.03
ADI-56039	N.B.			0.03
ADI-56040	N.B.			0.04
ADI-56041	N.B.			0.03
ADI-56042	N.B.			0.04
ADI-56043	6.95E-10	1.91E+05	1.33E-04	0.51
ADI-56044	N.B.			0.03
ADI-56045	N.B.			0.00
ADI-56046	N.B.			0.01
ADI-56047	N.B.			0.01
ADI-56048	N.B.			0.02
ADI-56049	N.B.			0.02
ADI-56050	N.B.			0.01
ADI-56051	N.B.			0.01
ADI-56052	N.B.			0.02
ADI-56053	N.B.			0.01
ADI-56054	N.B.			0.01
ADI-56055	N.B.			0.01
ADI-56056	N.B.			0.02
ADI-56057	N.B.			0.01
ADI-56058	N.B.			0.02
ADI-56059	2.55E-09	1.30E+05	3.30E-04	0.35
ADI-56061	N.B.			-0.01
ADI-56062	N.B.			0.00
ADI-56063	N.B.			0.00
ADI-56064	N.B.			0.00
ADI-56065	N.B.			0.00
ADI-56066	N.B.			0.00
ADI-56067	N.B.			0.00
ADI-56068	N.B.			0.00
ADI-56069	N.B.			0.01
ADI-56070	N.B.			-0.01
ADI-56071	N.B.			0.01
ADI-56072	N.B.			0.02

FIG. 16D

ADI ID	SARS-CoV-2 S2 KD [M]	SARS-CoV-2 S2 Ion	SARS-CoV-2 S2 koff	SARS-CoV-2 S2 Response
ADI-56073	2.60E-09	1.41E+05	3.65E-04	0.25
ADI-56074	N.B.			0.01
ADI-56075	N.B.			0.02
ADI-56076	N.B.			0.02
ADI-56078	N.B.			0.02
ADI-56079	N.B.			0.02
ADI-56080	N.B.			0.01
ADI-56081	N.B.			0.01
ADI-56082	N.B.			0.01
ADI-56083	N.B.			0.04
ADI-56084	N.B.			0.04

FIG. 16E

ADI ID	Monovalent SARS-CoV-2 RBD KD [M]	Monovalent SARS-CoV-2 RBD kon	Monovalent SARS-CoV-2 RBD koff	Monovalent SARS-CoV-2 RBD Response	Avid SARS-CoV-2 2 RBD KD [M]	Avid SARS-CoV-2 2 RBD kon	Avid SARS-CoV-2 2 RBD koff	Avid SARS-CoV-2 2 RBD Response
AD-55688	2.31E-07	8.03E+04	1.85E-02	0.40	1.40E-09	2.64E+05	3.68E-04	0.54
AD-55689	9.23E-09	1.82E+05	1.68E-03	0.58	6.19E-10	3.23E+05	2.00E-04	0.62
AD-55690	9.13E-09	2.44E+05	2.23E-03	0.55	6.80E-10	3.74E+05	2.54E-04	0.61
AD-55691	N.B.			0.07	N.B.			0.08
AD-55692	1.00E-06			0.26	3.32E-09	4.84E+05	1.61E-03	0.60
AD-55693								
AD-55694	1.57E-07	8.42E+04	1.32E-02	0.23	2.83E-09	1.98E+05	5.60E-04	0.44
AD-55695	N.B.			0.05	N.B.			0.04
AD-55696	N.B.			0.04	N.B.			0.04
AD-55697	N.B.			0.09	2.00E-07	8.72E+04	1.74E-02	0.26
AD-55698	N.B.			0.04	N.B.			0.02
AD-55699	8.70E-10	2.30E+05	2.00E-04	0.66	5.22E-10	3.98E+05	2.08E-04	0.56
AD-55700	N.B.			0.04	N.B.			0.04
AD-55701	N.B.			0.05	N.B.			0.02
AD-55702								
AD-55703	N.B.			0.03	N.B.			0.01
AD-55704	N.B.			0.04	N.B.			0.05
AD-55705	N.B.			0.04	N.B.			0.02
AD-55706	N.B.			0.05	N.B.			0.04
AD-55707	N.B.			0.03	N.B.			-0.02
AD-55708	N.B.			0.02	N.B.			0.04
AD-55709								
AD-55710	N.B.			0.03	N.B.			0.02
AD-55711	N.B.			0.02	N.B.			0.01
AD-55712	N.B.			0.04	N.B.			0.02

FIG. 17A

ADI ID	Monovalent SARS-CoV-2 RBD KD [M]	Monovalent SARS-CoV-2 RBD kon	Monovalent SARS-CoV-2 RBD koff	Monovalent SARS-CoV-2 RBD Response	Avid SARS-CoV-2 2 RBD KD [M]	Avid SARS-CoV-2 2 RBD kon	Avid SARS-CoV-2 2 RBD koff	Avid SARS-CoV-2 2 RBD Response
AD-55713								
AD-55714	N.B.			0.03	N.B.			0.04
AD-55715	N.B.			0.04	N.B.			0.03
AD-55716	N.B.			0.04	N.B.			0.03
AD-55717								
AD-55718	N.B.			0.03	N.B.			0.02
AD-55719	N.B.			0.03	N.B.			0.00
AD-55721	N.B.			0.03	N.B.			0.02
AD-55722	N.B.			0.04	N.B.			0.04
AD-55723	N.B.			0.03	N.B.			0.01
AD-55724	N.B.			0.03	N.B.			0.03
AD-55725	N.B.			0.04	N.B.			0.05
AD-55726	N.B.			0.03	N.B.			0.02
AD-55727	N.B.			0.00	N.B.			0.01
AD-55728	N.B.			0.03	N.B.			0.01
AD-55729	N.B.			0.04	N.B.			0.01
AD-55730	N.B.			0.02	N.B.			0.01
AD-55731	N.B.			0.04	N.B.			0.01
AD-55732	N.B.			0.03	N.B.			0.03
AD-55733	N.B.			0.02	N.B.			-0.03
AD-55734	N.B.			0.03	N.B.			0.01
AD-55735	N.B.			0.03	N.B.			0.02
AD-55736	N.B.			0.05	N.B.			0.00
AD-55737	N.B.			0.02	N.B.			0.00
AD-55738								

FIG. 17B

ADI ID	Monovalent SARS-CoV-2 RBD KD [M]	Monovalent SARS-CoV-2 RBD kon	Monovalent SARS-CoV-2 RBD koff	Monovalent SARS-CoV-2 RBD Response	Avid SARS-CoV-2 2 RBD KD [M]	Avid SARS-CoV-2 2 RBD kon	Avid SARS-CoV-2 2 RBD koff	Avid SARS-CoV-2 2 RBD Response
AD-55739	N.B.			0.03	N.B.			0.04
AD-55740	N.B.			0.03	N.B.			0.00
AD-55741	N.B.			0.03	N.B.			-0.01
AD-55742	N.B.			0.03	N.B.			0.04
AD-55743	N.B.			0.04	N.B.			0.02
AD-55744								
AD-55745	N.B.			0.03	N.B.			0.03
AD-55746	N.B.			0.04	N.B.			0.01
AD-55747	N.B.			0.03	N.B.			0.02
AD-55748	N.B.			0.03	N.B.			0.01
AD-55749	1.03E-09	1.94E+05	2.00E-04	0.58	5.60E-10	3.57E+05	2.00E-04	0.56
AD-55750	N.B.			0.03	N.B.			0.01
AD-55751	N.B.			0.02	N.B.			0.00
AD-55752	N.B.			0.03	N.B.			0.03
AD-55753	N.B.			0.03	N.B.			-0.02
AD-55754	1.91E-09	2.14E+05	4.09E-04	0.57	8.73E-10	2.64E+05	2.31E-04	0.55
AD-55755	N.B.			0.02	N.B.			0.00
AD-55756	N.B.			0.03	N.B.			0.03
AD-55757	7.35E-09	1.81E+05	1.33E-03	0.12	7.22E-09	6.12E+04	4.42E-04	0.28
AD-55758	N.B.			0.03	N.B.			0.03
AD-55759								
AD-55760	N.B.			0.02	N.B.			0.02
AD-55761	N.B.			0.01	N.B.			0.01
AD-55762	N.B.			0.03	N.B.			0.01
AD-55763	N.B.			0.03	N.B.			0.02

FIG. 17C

ADI ID	Monovalent SARS-CoV-2 RBD KD [M]	Monovalent SARS-CoV-2 RBD kon	Monovalent SARS-CoV-2 RBD koff	Monovalent SARS-CoV-2 RBD Response	Avid SARS-CoV-2 2 RBD KD [M]	Avid SARS-CoV-2 2 RBD kon	Avid SARS-CoV-2 2 RBD koff	Avid SARS-CoV-2 2 RBD Response
AD-55765	N.B.			0.02	N.B.			0.03
AD-55766	N.B.			0.04	N.B.			0.02
AD-55767	N.B.			0.02	N.B.			0.03
AD-55769	N.B.			0.02	N.B.			-0.01
AD-55770	N.B.			0.04	N.B.			0.02
AD-55771	1.00E-06			0.13	1.00E-06			0.32
AD-55775	N.B.			0.02	N.B.			0.01
AD-55776	N.B.			0.02	N.B.			0.04
AD-55777	N.B.			0.04	N.B.			0.03
AD-55960	N.B.			0.05	N.B.			0.07
AD-55951	4.48E-08	2.39E+05	1.07E-02	0.48	1.23E-09	3.04E+05	3.75E-04	0.49
AD-55962	N.B.			0.06	N.B.			0.06
AD-55963	N.B.			0.06	N.B.			0.04
AD-55964	N.B.			0.05	N.B.			0.06
AD-55965	N.B.			0.04	N.B.			0.06
AD-55966	N.B.			0.05	N.B.			0.04
AD-55967	N.B.			0.05	N.B.			0.05
AD-55968	6.46E-09	3.58E+05	2.31E-03	0.36	2.28E-09	2.69E+05	6.14E-04	0.47
AD-55969	N.B.			0.05	N.B.			0.07
AD-55960	N.B.			0.04	N.B.			0.04
AD-55961	N.B.			0.08	N.B.			0.09
AD-55962	N.B.			0.05	N.B.			0.07
AD-55963	N.B.			0.05	N.B.			0.04
AD-55964	N.B.			0.05	N.B.			0.05
AD-55965	N.B.			0.07	N.B.			0.07

FIG. 17D

ADI ID	Monovalent SARS-CoV-2 RBD KD [M]	Monovalent SARS-CoV-2 RBD kon	Monovalent SARS-CoV-2 RBD koff	Monovalent SARS-CoV-2 RBD Response	Avid SARS-CoV-2 2 RBD KD [M]	Avid SARS-CoV-2 2 RBD kon	Avid SARS-CoV-2 2 RBD koff	Avid SARS-CoV-2 2 RBD Response
AD-55966	N.B.			0.04	N.B.			0.06
AD-55967	N.B.			0.06	N.B.			0.07
AD-55968	N.B.			0.06	N.B.			0.07
AD-55969	N.B.			0.06	N.B.			0.09
AD-55970	N.B.			0.05	N.B.			0.03
AD-55972	N.B.			0.05	N.B.			0.06
AD-55973	N.B.			0.04	N.B.			0.05
AD-55974	N.B.			0.05	N.B.			0.06
AD-55975	N.B.			0.04	N.B.			0.02
AD-55976	N.B.			0.06	N.B.			0.09
AD-55977	1.00E-06			0.20	4.03E-09	4.63E+05	1.87E-03	0.33
AD-55978	N.B.			0.04	N.B.			0.05
AD-55979	N.B.			0.04	N.B.			0.07
AD-55980	N.B.			0.06	N.B.			0.05
AD-55981	N.B.			0.04	N.B.			0.07
AD-55982	N.B.			0.04	N.B.			0.05
AD-55984	N.B.			0.05	N.B.			0.09
AD-55986	N.B.			0.05	N.B.			0.05
AD-55988	N.B.			0.05	N.B.			0.06
AD-55989	N.B.			0.05	N.B.			0.03
AD-55990	N.B.			0.06	N.B.			0.07
AD-55992	N.B.			0.05	N.B.			0.06
AD-55993	1.79E-08	1.05E+05	1.89E-03	0.43	1.12E-09	1.95E+05	2.19E-04	0.42
AD-55994	N.B.			0.07	N.B.			0.09
AD-55995	N.B.			0.05	N.B.			0.04

FIG. 17E

ADI ID	Monovalent SARS-CoV-2 RBD KD [M]	Monovalent SARS-CoV-2 RBD kon	Monovalent SARS-CoV-2 RBD koff	Monovalent SARS-CoV-2 RBD Response	Avid SARS-CoV-2 2 RBD KD [M]	Avid SARS-CoV-2 2 RBD kon	Avid SARS-CoV-2 2 RBD koff	Avid SARS-CoV-2 2 RBD Response
AD-55996	N.B.			0.04	N.B.			0.04
AD-55997	N.B.			0.05	N.B.			0.01
AD-55998	N.B.			0.02	N.B.			0.01
AD-55999	N.B.			0.05	N.B.			0.05
AD-56000	1.80E-08	1.08E+05	1.93E-03	0.45	9.13E-10	2.55E+05	2.33E-04	0.45
AD-56001	N.B.			0.04	N.B.			0.02
AD-56002	N.B.			0.04	1.00E-06			0.11
AD-56003	N.B.			0.05	N.B.			0.03
AD-56004	N.B.			0.06	N.B.			0.05
AD-56005	N.B.			0.04	N.B.			0.08
AD-56006	N.B.			0.05	N.B.			0.07
AD-56007	1.00E-06			0.21	1.00E-06			0.46
AD-56008	N.B.			0.04	N.B.			0.08
AD-56009	N.B.			0.04	N.B.			0.03
AD-56010	1.33E-09	5.13E+05	6.81E-04	0.69	3.32E-10	7.30E+05	2.42E-04	0.51
AD-56011	N.B.			0.04	N.B.			0.06
AD-56012	N.B.			0.05	N.B.			0.03
AD-56013	N.B.			0.03	N.B.			0.06
AD-56014	N.B.			0.03	N.B.			0.04
AD-56015	N.B.			0.04	N.B.			0.04
AD-56016	N.B.			0.06	N.B.			0.06
AD-56017	N.B.			0.04	N.B.			0.06
AD-56018	N.B.			0.04	N.B.			0.03
AD-56019	N.B.			0.03	N.B.			0.07
AD-56020	1.77E-09	1.94E+05	3.43E-04	0.57	5.42E-10	3.69E+05	2.00E-04	0.47

FIG. 17F

ADI ID	Monovalent SARS-CoV-2 RBD KD [M]	Monovalent SARS-CoV-2 RBD kon	Monovalent SARS-CoV-2 RBD koff	Monovalent SARS-CoV-2 RBD Response	Avid SARS-CoV-2 2 RBD KD [M]	Avid SARS-CoV-2 2 RBD kon	Avid SARS-CoV-2 2 RBD koff	Avid SARS-CoV-2 2 RBD Response
AD156021	NB.			0.04	NB.			0.02
AD156022	NB.			0.07	1.00E-06			0.10
AD156023	NB.			0.05	NB.			0.05
AD156024	NB.			0.04	NB.			0.06
AD156025	NB.			0.05	NB.			0.06
AD156026	NB.			0.04	NB.			-0.01
AD156027	NB.			0.06	NB.			0.05
AD156028	NB.			0.05	1.00E-06			0.11
AD156029	NB.			0.04	NB.			0.07
AD156030	NB.			0.07	1.00E-06			0.10
AD156031	NB.			0.05	NB.			0.08
AD156032	NB.			0.04	NB.			0.04
AD156033	NB.			0.04	NB.			0.05
AD156034	NB.			0.04	NB.			0.05
AD156035	3.16E-07	9.59E-04	3.03E-02	0.37	1.73E-09	4.87E+05	8.44E-04	0.58
AD156037	NB.			0.06	NB.			0.06
AD156038	NB.			0.04	NB.			0.08
AD156039	NB.			0.05	NB.			0.04
AD156040	8.97E-09	2.48E+05	2.23E-03	0.52	7.89E-10	3.79E+05	2.99E-04	0.44
AD156041	NB.			0.05	NB.			0.05
AD156042	NB.			0.03	NB.			0.03
AD156043	NB.			0.04	NB.			0.06
AD156044	NB.			0.04	NB.			0.05
AD156045	NB.			0.03	NB.			0.07
AD156046	9.26E-10	6.95E+05	6.43E-04	0.55	6.01E-10	5.23E+05	3.14E-04	0.39

FIG. 17G

ADI ID	Monovalent SARS-CoV-2 RBD KD [M]	Monovalent SARS-CoV-2 RBD kon	Monovalent SARS-CoV-2 RBD koff	Monovalent SARS-CoV-2 RBD Response	Avid SARS-CoV-2 2 RBD KD [M]	Avid SARS-CoV-2 2 RBD kon	Avid SARS-CoV-2 2 RBD koff	Avid SARS-CoV-2 2 RBD Response
AD156047	N.B.			0.02	N.B.			0.01
AD156048	N.B.			0.02	N.B.			0.02
AD156049	N.B.			0.02	N.B.			0.07
AD156050	N.B.			0.02	N.B.			0.05
AD156051	2.81E-08	1.39E+05	3.89E-03	0.14	1.16E-08	9.64E+04	1.12E-03	0.19
AD156052	N.B.			0.02	N.B.			0.05
AD156053	5.53E-08	2.13E+05	1.18E-02	0.11	9.68E-09	2.61E+05	2.53E-03	0.20
AD156054	N.B.			0.01	N.B.			0.02
AD156055	N.B.			0.04	N.B.			0.08
AD156056	N.B.			0.02	N.B.			0.03
AD156057	N.B.			0.03	N.B.			0.02
AD156058	1.06E-07	1.22E+05	1.30E-02	0.24	4.26E-09	1.73E+05	7.37E-04	0.33
AD156059	N.B.			0.02	N.B.			0.04
AD156061	N.B.			0.02	N.B.			0.04
AD156062	N.B.			0.02	N.B.			0.03
AD156063	N.B.			0.04	N.B.			0.04
AD156064	N.B.			0.02	N.B.			0.04
AD156065	N.B.			0.02	N.B.			0.03
AD156066	N.B.			0.02	N.B.			0.02
AD156067	N.B.			0.03	N.B.			0.05
AD156068	N.B.			0.03	N.B.			0.03
AD156069	N.B.			0.05	N.B.			0.06
AD156070	N.B.			0.01	N.B.			0.01
AD156071	7.97E-08	2.73E+05	2.18E-02	0.37	2.59E-09	1.43E+05	3.71E-04	0.30
AD156072	N.B.			0.03	N.B.			0.02

FIG. 17H

ADI ID	Monovalent SARS-CoV-2 RBD KD [M]	Monovalent SARS-CoV-2 RBD kon	Monovalent SARS-CoV-2 RBD koff	Monovalent SARS-CoV-2 RBD Response	Avid SARS-CoV-2 2 RBD KD [M]	Avid SARS-CoV-2 2 RBD kon	Avid SARS-CoV-2 2 RBD koff	Avid SARS-CoV-2 2 RBD Response
AD-56073	NB.			0.01	NB.			0.01
AD-56074	NB.			0.03	NB.			0.00
AD-56075	NB.			0.03	NB.			0.03
AD-56076	NB.			0.03	NB.			0.04
AD-56078	NB.			0.06	NB.			0.07
AD-56079	NB.			0.02	NB.			0.04
AD-56080	NB.			0.03	NB.			0.06
AD-56081	NB.			0.03	NB.			0.03
AD-56082	NB.			0.04	NB.			0.07
AD-56083	NB.			0.05	1.00E-06			0.10
AD-56084	NB.			0.07	NB.			0.09

FIG. 171

ADI ID	SARS-CoV-2 NTD KD [M]	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
AD-55688	N.B.			0.00
AD-55689	N.B.			0.01
AD-55690	N.B.			0.01
AD-55691	N.B.			-0.01
AD-55692	N.B.			0.02
AD-55693				
AD-55694	N.B.			-0.01
AD-55695	N.B.			0.09
AD-55696	1.00E-06	2.19E+05	8.15E-03	0.13
AD-55697	N.B.			0.01
AD-55698	N.B.			0.05
AD-55699	N.B.			-0.01
AD-55700	N.B.			0.06
AD-55701	N.B.			0.05
AD-55702				
AD-55703	N.B.			0.00
AD-55704	N.B.			0.07
AD-55705	N.B.			0.02
AD-55706	1.00E-06	2.79E+05	1.32E-04	0.12
AD-55707	3.15E-09	1.67E+05	5.27E-04	0.27
AD-55708	2.85E-09	2.26E+05	6.44E-04	0.24
AD-55809				
AD-55710	4.42E-09	5.45E+05	2.41E-03	0.23
AD-55711	1.85E-09	3.24E+05	5.98E-03	0.35
AD-55712	N.B.			0.04

ADI ID	SARS-CoV-2 NTD KD [M]	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
AD-55713				
AD-55714	N.B.			0.02
AD-55715	N.B.			0.03
AD-55716	1.20E-08	2.36E+05	2.84E-03	0.28
AD-55717				
AD-55718	4.84E-08	2.53E+05	1.23E-02	0.22
AD-55719	1.00E-06	8.25E+04	5.99E-04	0.18
AD-55721	N.B.			0.04
AD-55722	N.B.			0.04
AD-55723	N.B.			0.01
AD-55724	N.B.			0.03
AD-55725	N.B.			0.07
AD-55726	N.B.			0.01
AD-55727	2.10E-09	2.91E+05	6.12E-04	0.23
AD-55728	N.B.			0.02
AD-55729	N.B.			0.02
AD-55730	4.32E-08	2.42E+05	1.05E-02	0.35
AD-55731	N.B.			0.02
AD-55732	N.B.			0.02
AD-55733	N.B.			0.05
AD-55734	3.36E-09	2.03E+05	6.81E-04	0.31
AD-55735	N.B.			0.03
AD-55736	N.B.			0.03
AD-55737	2.77E-09	4.31E+05	1.20E-03	0.39
AD-55738				

FIG. 18A

ADI ID	SARS-CoV-2 NTD KO [M]	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
ADI-55739	N.B.			0.04
ADI-55740	N.B.			0.02
ADI-55741	N.B.			0.02
ADI-55742	N.B.			0.03
ADI-55743	N.B.			0.02
ADI-55744				
ADI-55745	N.B.			0.02
ADI-55746	N.B.			-0.03
ADI-55747	N.B.			0.02
ADI-55748	N.B.			0.02
ADI-55749	N.B.			0.01
ADI-55750	N.B.			0.02
ADI-55751	1.00E-06	2.08E+04	1.19E-02	0.11
ADI-55752	N.B.			0.04
ADI-55753	N.B.			0.00
ADI-55754	N.B.			0.00
ADI-55755	N.B.			0.00
ADI-55756	N.B.			0.03
ADI-55757	N.B.			-0.02
ADI-55758	N.B.			0.02
ADI-55720				
ADI-55760	N.B.			-0.01
ADI-55761	N.B.			0.04
ADI-55762	1.00E-06	5.90E+05	2.31E-02	0.18
ADI-55763	1.90E-08	7.25E+05	1.38E-02	0.21

ADI ID	SARS-CoV-2 NTD KO [M]	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
ADI-55765	1.00E-06	5.79E+05	1.26E-02	0.17
ADI-55766	N.B.			0.01
ADI-55767	N.B.			0.05
ADI-55769	N.B.			0.00
ADI-55770	N.B.			0.01
ADI-55771	N.B.			0.01
ADI-55775	1.00E-06	2.63E+05	6.46E-03	0.17
ADI-55776	N.B.			0.01
ADI-55777	N.B.			0.09
ADI-55950	1.00E-06			0.10
ADI-55951	N.B.			0.02
ADI-55952	N.B.			0.06
ADI-55953	N.B.			0.07
ADI-55954	N.B.			0.06
ADI-55955	1.18E-09	4.01E+05	4.73E-04	0.47
ADI-55956	N.B.			0.02
ADI-55957	N.B.			0.05
ADI-55958	N.B.			0.02
ADI-55959	1.00E-06			0.10
ADI-55960	1.70E-09	3.60E+05	6.12E-04	0.41
ADI-55961	1.00E-06			0.16
ADI-55962	N.B.			0.10
ADI-55963	N.B.			0.02
ADI-55964	1.00E-06			0.25
ADI-55965	N.B.			0.06

FIG. 18B

ADI ID	SARS-CoV-2 NTD KO [M]	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
ADI-55966	N.B.			0.06
ADI-55967	N.B.			0.08
ADI-55968	N.B.			0.08
ADI-55969	9.35E-10	1.01E+06	9.41E-04	0.48
ADI-55970	N.B.			0.04
ADI-55972	1.00E-06			0.11
ADI-55973	1.00E-06			0.24
ADI-55974	N.B.			0.10
ADI-55975	N.B.			0.05
ADI-55976	1.00E-06			0.15
ADI-55977	N.B.			0.04
ADI-55978	8.85E-10	4.71E+05	4.17E-04	0.54
ADI-55979	N.B.			0.04
ADI-55980	1.00E-06			0.11
ADI-55981	N.B.			0.05
ADI-55982	N.B.			0.06
ADI-55984	1.00E-06	2.36E+05	1.37E-02	0.15
ADI-55986	N.B.			0.03
ADI-55988	3.79E-09	5.31E+05	2.01E-03	0.45
ADI-55989	N.B.			0.02
ADI-55990	1.00E-06			0.15
ADI-55992	N.B.			0.02
ADI-55993	N.B.			0.02
ADI-55994	N.B.			0.01
ADI-55995	N.B.			0.08

ADI ID	SARS-CoV-2 NTD KO [M]	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
ADI-55996	N.B.			0.07
ADI-55997	8.58E-09	2.11E+05	1.81E-03	0.22
ADI-55998	4.04E-09	1.59E+05	6.44E-04	0.38
ADI-55999	N.B.			0.02
ADI-56000	N.B.			0.02
ADI-56001	N.B.			-0.02
ADI-56002	N.B.			0.10
ADI-56003	1.54E-09	2.31E+5	3.56E-04	0.36
ADI-56004	1.85E-09	3.91E+05	7.23E-04	0.39
ADI-56005	N.B.			0.03
ADI-56006	N.B.			0.03
ADI-56007	N.B.			0.03
ADI-56008	N.B.			0.05
ADI-56009	1.00E-06	4.06E+05	1.12E-02	0.14
ADI-56010	N.B.			0.03
ADI-56011	6.49E-10	5.99E+05	3.89E-04	0.41
ADI-56012	6.86E-08	2.09E+05	1.44E-02	0.22
ADI-56013	N.B.			0.02
ADI-56014	1.00E-06			0.15
ADI-56015	N.B.			0.07
ADI-56016	N.B.			0.03
ADI-56017	5.86E-08	2.99E+05	1.75E-02	0.36
ADI-56018	N.B.			0.04
ADI-56019	N.B.			0.07
ADI-56020	N.B.			0.03

FIG. 18C

ADI ID	SARS-CoV-2 NTD KO [M]	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
ADI-56021	N.B.			0.04
ADI-56022	1.00E-06	1.44E+05	1.65E-02	0.15
ADI-56023	N.B.			0.08
ADI-56024	4.25E-09	3.59E+05	1.53E-03	0.35
ADI-56025	N.B.			0.09
ADI-56026	4.66E-09	3.14E+05	1.46E-03	0.36
ADI-56027	N.B.			0.09
ADI-56028	1.00E-06	2.16E+05	1.30E-02	0.20
ADI-56029	N.B.			0.09
ADI-56030	1.00E-06			0.19
ADI-56031	1.00E-06	3.00E+02	1.18E-02	0.13
ADI-56032	3.06E-08	3.93E+02	1.20E-02	0.29
ADI-56033	N.B.			0.03
ADI-56034	N.B.			0.03
ADI-56035	N.B.			0.03
ADI-56037	N.B.			0.08
ADI-56038	1.00E-06	1.75E+05	1.60E-02	0.12
ADI-56039	N.B.			0.05
ADI-56040	N.B.			0.01
ADI-56041	N.B.			0.06
ADI-56042	3.20E-09	1.99E+05	6.36E-04	0.38
ADI-56043	N.B.			0.04
ADI-56044	N.B.			0.06
ADI-56045	1.00E-06			0.15
ADI-56046	N.B.			0.02
ADI ID	SARS-CoV-2 NTD KO [M]	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
ADI-56047	N.B.			0.00
ADI-56048	N.B.			0.05
ADI-56049	1.00E-06	1.21E+05	1.35E-02	0.13
ADI-56050	1.00E-06	1.25E+05	2.13E-02	0.11
ADI-56051	N.B.			0.01
ADI-56052	N.B.			0.08
ADI-56053	N.B.			0.04
ADI-56054	N.B.			0.02
ADI-56055	1.00E-06	2.27E+05	1.35E-02	0.19
ADI-56056	N.B.			0.05
ADI-56057	N.B.			0.04
ADI-56058	N.B.			0.02
ADI-56059	N.B.			0.03
ADI-56061	N.B.			0.07
ADI-56062	N.B.			0.07
ADI-56063	N.B.			0.07
ADI-56064	1.00E-06			0.11
ADI-56065	6.15E-09	1.43E+05	8.82E-04	0.27
ADI-56066	1.00E-06	6.52E+04	2.42E-03	0.11
ADI-56067	1.00E-06			0.11
ADI-56068	1.00E-06	1.31E+05	1.47E-03	0.13
ADI-56069	1.00E-06			0.13
ADI-56070	1.00E-06	1.51E+05	1.74E-03	0.20
ADI-56071	N.B.			0.02
ADI-56072	N.B.			0.03

FIG. 18D

ADI ID	SARS-CoV-2 NTD KD [M]	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
ADI-56073	N.B.			0.02
ADI-56074	1.00E-06	1.04E+05	7.39E-04	0.20
ADI-56075	N.B.			0.04
ADI-56076	N.B.			0.09
ADI-56078	N.B.			0.00
ADI-56079	N.B.			0.06
ADI-56080	N.B.			0.08
ADI-56081	1.06E-09	4.03E+05	4.28E-04	0.34
ADI-56082	N.B.			0.03
ADI-56083	1.00E-06			0.11
ADI-56084	1.00E-06	1.60E+05	1.15E-02	0.13

FIG. 18E

ADI ID	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD	Monovalent SARS-CoV-2 S1 subunit binder?	AVID SARS- CoV-2 S1 subunit binder?	SARS-CoV-2 S2 binder?
ADI-55688	Yes	No	Yes	Yes	No
ADI-55689	Yes	No	Yes	Yes	No
ADI-55690	Yes	No	Yes	Yes	No
ADI-55691	No	No			No
ADI-55692	Yes	No	Yes	Yes	No
ADI-55693					
ADI-55694	Yes	No	Yes	Yes	No
ADI-55695	No	No			No
ADI-55696	No	No			No
ADI-55697	Yes	No		Yes	No
ADI-55698	No	No			No
ADI-55699	Yes	No	Yes	Yes	No
ADI-55700	No	No			No
ADI-55701	No	No			No
ADI-55702					
ADI-55703	No	No		No	Yes
ADI-55704	No	No			No
ADI-55705	No	No			No
ADI-55706	No	No			No
ADI-55707	No	Yes	Yes	Yes	No
ADI-55708	No	Yes	Yes	Yes	No
ADI-55709					
ADI-55710	No	Yes		Yes	No
ADI-55711	No	Yes	Yes	Yes	No
ADI-55712	No	No			No

FIG. 19A

ADI ID	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD	Monovalent SARS-CoV-2 S1 subunit binder?	AVID SARS- CoV-2 S1 subunit binder?	SARS-CoV-2 S2 binder?
ADI-55713					
ADI-55714	No	No			No
ADI-55715	No	No			No
ADI-55716	No	Yes		Yes	No
ADI-55717					
ADI-55718	No	Yes		Yes	No
ADI-55719	No	Yes		Yes	No
ADI-55721	No	No			No
ADI-55722	No	No			No
ADI-55723	No	No			No
ADI-55724	No	No		No	Yes
ADI-55725	No	No			No
ADI-55726	No	No			No
ADI-55727	No	Yes	Yes	Yes	No
ADI-55728	No	No			No
ADI-55729	No	No			No
ADI-55730	No	Yes		Yes	No
ADI-55731	No	No			No
ADI-55732	No	No		No	Yes
ADI-55733	No	No			No
ADI-55734	No	Yes	Yes	Yes	No
ADI-55735	No	No			No
ADI-55736	No	No			No
ADI-55737	No	Yes	Yes	Yes	No
ADI-55738					

FIG. 19B

ADI ID	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD	Monovalent SARS-CoV-2 S1 subunit binder?	AVID SARS-CoV-2 S1 subunit binder?	SARS-CoV-2 S2 binder?
ADI-55739	No	No			No
ADI-55740	No	No			No
ADI-55741	No	No			No
ADI-55742	No	No			No
ADI-55743	No	No			No
ADI-55744					
ADI-55745	No	No			No
ADI-55746	No	No		No	Yes
ADI-55747	No	No			No
ADI-55748	No	No			No
ADI-55749	Yes	No	Yes	Yes	No
ADI-55750	No	No			No
ADI-55751	No	Yes		Yes	No
ADI-55752	No	No			No
ADI-55753	No	No			No
ADI-55754	Yes	No	Yes	Yes	No
ADI-55755	No	No			No
ADI-55756	No	No			No
ADI-55757	Yes	No	Yes	Yes	No
ADI-55758	No	No			No
ADI-55720					
ADI-55760	No	No			No
ADI-55761	No	No			No
ADI-55762	No	Yes		Yes	No
ADI-55763	No	Yes		Yes	No

FIG. 19C

ADI ID	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD	Monovalent SARS-CoV-2 S1 subunit binder?	AVID SARS- CoV-2 S1 subunit binder?	SARS-CoV-2 S2 binder?
ADI-55765	No	Yes		Yes	No
ADI-55766	No	No			No
ADI-55767	No	No			No
ADI-55769	No	No			No
ADI-55770	No	No			No
ADI-55771	Yes	No		Yes	No
ADI-55775	No	Yes		Yes	No
ADI-55776	No	No			No
ADI-55777	No	No			No
ADI-55950	No	No			No
ADI-55951	Yes	No	Yes	Yes	No
ADI-55952	No	No			No
ADI-55953	No	No			No
ADI-55954	No	No			No
ADI-55955	No	Yes	Yes	Yes	No
ADI-55956	No	No			No
ADI-55957	No	No			No
ADI-55958	Yes	No	Yes	Yes	No
ADI-55959	No	No			No
ADI-55960	No	Yes		Yes	No
ADI-55961	No	No			No
ADI-55962	No	No			No
ADI-55963	No	No			No
ADI-55964	No	Yes		Yes	No
ADI-55965	No	No			No

FIG. 19D

ADI ID	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD	Monovalent SARS-CoV-2 S1 subunit binder?	AVID SARS- CoV-2 S1 subunit binder?	SARS-CoV-2 S2 binder?
ADI-55966	No	No			No
ADI-55967	No	No			No
ADI-55968	No	No			No
ADI-55969	No	Yes		Yes	No
ADI-55970	No	No			No
ADI-55972	No	No			No
ADI-55973	No	Yes		Yes	No
ADI-55974	No	No			No
ADI-55975	No	No			No
ADI-55976	No	No			No
ADI-55977	Yes	No		Yes	No
ADI-55978	No	Yes	Yes	Yes	No
ADI-55979	No	No			No
ADI-55980	No	No			No
ADI-55981	No	No			No
ADI-55982	No	No			No
ADI-55984	No	No			No
ADI-55986	No	No			No
ADI-55988	No	Yes		Yes	No
ADI-55989	No	No		No	Yes
ADI-55990	No	No			No
ADI-55992	No	No		No	Yes
ADI-55993	Yes	No	Yes	Yes	No
ADI-55994	No	No		No	Yes
ADI-55995	No	No			No

FIG. 19E

ADI ID	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD	Monovalent SARS-CoV-2 S1 subunit binder?	AVID SARS- CoV-2 S1 subunit binder?	SARS-CoV-2 S2 binder?
ADI-55996	No	No			No
ADI-55997	No	Yes		Yes	No
ADI-55998	No	Yes	Yes	Yes	No
ADI-55999	No	No			No
ADI-56000	Yes	No	Yes	Yes	No
ADI-56001	No	No		No	Yes
ADI-56002	No	No			No
ADI-56003	No	Yes		Yes	No
ADI-56004	No	Yes		Yes	No
ADI-56005	No	No		No	Yes
ADI-56006	No	No		No	Yes
ADI-56007	Yes	No		Yes	No
ADI-56008	No	No			No
ADI-56009	No	Yes		Yes	No
ADI-56010	Yes	No	Yes	Yes	No
ADI-56011	No	Yes	Yes	Yes	No
ADI-56012	No	Yes			No
ADI-56013	No	No			No
ADI-56014	No	Yes		Yes	No
ADI-56015	No	No			No
ADI-56016	No	No		No	Yes
ADI-56017	No	Yes		Yes	No
ADI-56018	No	No			No
ADI-56019	No	No			No
ADI-56020	Yes	No	Yes	Yes	No

FIG. 19F

ADI ID	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD	Monovalent SARS-CoV-2 S1 subunit binder?	AVID SARS- CoV-2 S1 subunit binder?	SARS-CoV-2 S2 binder?
ADI-56021	No	No			No
ADI-56022	No	No			No
ADI-56023	No	No			No
ADI-56024	No	Yes		Yes	No
ADI-56025	No	No			No
ADI-56026	No	Yes		Yes	No
ADI-56027	No	No			No
ADI-56028	No	No			No
ADI-56029	No	No			No
ADI-56030	No	No			No
ADI-56031	No	No			No
ADI-56032	No	Yes		Yes	No
ADI-56033	No	No		No	Yes
ADI-56034	No	No		No	Yes
ADI-56035	Yes	No	Yes	Yes	No
ADI-56037	No	No			No
ADI-56038	No	No			No
ADI-56039	No	No			No
ADI-56040	Yes	No	Yes	Yes	No
ADI-56041	No	No			No
ADI-56042	No	Yes		Yes	No
ADI-56043	No	No		No	Yes
ADI-56044	No	No			No
ADI-56045	No	No			No
ADI-56046	Yes	No	Yes	Yes	No

FIG. 19G

ADI ID	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD	Monovalent SARS-CoV-2 S1 subunit binder?	AVID SARS-CoV-2 S1 subunit binder?	SARS-CoV-2 S2 binder?
ADI-56047	No	No			No
ADI-56048	No	No			No
ADI-56049	No	No			No
ADI-56050	No	No			No
ADI-56051	Yes	No		Yes	No
ADI-56052	No	No			No
ADI-56053	Yes	No		Yes	No
ADI-56054	No	No			No
ADI-56055	No	No			No
ADI-56056	No	No			No
ADI-56057	No	No			No
ADI-56058	Yes	No		Yes	No
ADI-56059	No	No		No	Yes
ADI-56061	No	No			No
ADI-56062	No	No			No
ADI-56063	No	No			No
ADI-56064	No	No			No
ADI-56065	No	Yes		Yes	No
ADI-56066	No	Yes		Yes	No
ADI-56067	No	No			No
ADI-56068	No	Yes		Yes	No
ADI-56069	No	No			No
ADI-56070	No	Yes		Yes	No
ADI-56071	Yes	No	Yes	Yes	No
ADI-56072	No	No			No

FIG. 19H

ADI ID	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD	Monovalent SARS-CoV-2 S1 subunit binder?	AVID SARS- CoV-2 S1 subunit binder?	SARS-CoV-2 S2 binder?
ADI-56073	No	No		No	Yes
ADI-56074	No	Yes		Yes	No
ADI-56075	No	No			No
ADI-56076	No	No			No
ADI-56078	No	No			No
ADI-56079	No	No			No
ADI-56080	No	No			No
ADI-56081	No	Yes	Yes	Yes	No
ADI-56082	No	No			No
ADI-56083	No	Yes		Yes	No
ADI-56084	No	Yes		Yes	No

FIG. 19I

ADI ID	SARS-CoV-2 S WT Cell binding Fold-Over-Background	SARS-CoV-2 S WT Cell binding EC ₅₀ [nM]
ADI-55688	19.00	2.40
ADI-55689	39.33	1.41
ADI-55690	13.23	9.50
ADI-55691	1.37	n.d.
ADI-55692	2.76	n.d.
ADI-55693		
ADI-55694	6.39	80.66
ADI-55695	0.91	n.d.
ADI-55696	0.98	n.d.
ADI-55697	1.43	n.d.
ADI-55698	0.94	n.d.
ADI-55699	23.70	4.94
ADI-55700	1.00	n.d.
ADI-55701	0.91	n.d.
ADI-55702		
ADI-55703	45.01	5.97
ADI-55704	0.95	n.d.
ADI-55705	0.95	n.d.
ADI-55706	0.92	n.d.
ADI-55707	4.54	n.d.
ADI-55708	4.87	n.d.
ADI-55709		
ADI-55710	1.76	n.d.
ADI-55711	17.70	13.02
ADI-55712	0.95	n.d.

ADI ID	SARS-CoV-2 S WT Cell binding Fold-Over-Background	SARS-CoV-2 S WT Cell binding EC ₅₀ [nM]
ADI-55713		
ADI-55714	0.78	n.d.
ADI-55715	1.09	n.d.
ADI-55716	2.79	n.d.
ADI-55717		
ADI-55718	3.23	n.d.
ADI-55719	3.65	n.d.
ADI-55721	0.85	n.d.
ADI-55722	1.06	n.d.
ADI-55723	1.69	n.d.
ADI-55724	100.74	0.79
ADI-55725	1.50	n.d.
ADI-55726	0.85	n.d.
ADI-55727	15.83	9.13
ADI-55728	1.05	n.d.
ADI-55729	0.95	n.d.
ADI-55730	6.21	52.23
ADI-55731	0.92	n.d.
ADI-55732	114.60	20.96
ADI-55733	2.94	n.d.
ADI-55734	15.57	14.76
ADI-55735	0.97	n.d.
ADI-55736	0.96	n.d.
ADI-55737	2.79	n.d.
ADI-55738		

FIG. 20A

ADI ID	SARS-CoV-2 S WT-Cell binding Fold-Over-Background	SARS-CoV-2 S WT-Cell binding EC ₅₀ [nM]
ADI-55739	0.81	n.d.
ADI-55740	0.96	n.d.
ADI-55741	1.21	n.d.
ADI-55742	4.76	n.d.
ADI-55743	0.94	n.d.
ADI-55744		
ADI-55745	1.27	n.d.
ADI-55746	89.95	5.41
ADI-55747	1.25	n.d.
ADI-55748	0.91	n.d.
ADI-55749	23.92	11.83
ADI-55750	0.91	n.d.
ADI-55751	1.13	n.d.
ADI-55752	0.88	n.d.
ADI-55753	0.94	n.d.
ADI-55754	8.18	6.83
ADI-55755	1.73	n.d.
ADI-55756	1.08	n.d.
ADI-55757	3.96	n.d.
ADI-55758	0.95	n.d.
ADI-55720		
ADI-55760	1.88	n.d.
ADI-55761	0.83	n.d.
ADI-55762	1.15	n.d.
ADI-55763	1.07	n.d.

ADI ID	SARS-CoV-2 S WT-Cell binding Fold-Over-Background	SARS-CoV-2 S WT-Cell binding EC ₅₀ [nM]
ADI-55765	1.02	n.d.
ADI-55766	1.04	n.d.
ADI-55767	1.89	n.d.
ADI-55769	0.91	n.d.
ADI-55770	0.93	n.d.
ADI-55771	1.47	n.d.
ADI-55775	0.98	n.d.
ADI-55776	1.16	n.d.
ADI-55777	1.25	n.d.
ADI-55950	0.76	n.d.
ADI-55951	9.10	137.30
ADI-55952	0.70	n.d.
ADI-55953	0.71	n.d.
ADI-55954	0.60	n.d.
ADI-55955	38.71	11.53
ADI-55956	12.86	66.18
ADI-55957	0.89	n.d.
ADI-55958	33.49	13.63
ADI-55959	0.80	n.d.
ADI-55960	17.61	12.03
ADI-55961	0.82	n.d.
ADI-55962	0.92	n.d.
ADI-55963	0.80	n.d.
ADI-55964	0.69	n.d.
ADI-55965	0.70	n.d.

FIG. 20B

ADI ID	SARS-CoV-2 S WT-Cell binding Fold-Over-Background	SARS-CoV-2 S WT-Cell binding EC ₅₀ [nM]
ADI-55966	0.78	n.d.
ADI-55967	1.42	n.d.
ADI-55968	0.74	n.d.
ADI-55969	25.25	8.58
ADI-55970	0.73	n.d.
ADI-55972	1.50	n.d.
ADI-55973	0.85	n.d.
ADI-55974	1.56	n.d.
ADI-55975	1.85	n.d.
ADI-55976	0.78	n.d.
ADI-55977	1.54	n.d.
ADI-55978	29.92	6.96
ADI-55979	0.97	n.d.
ADI-55980	0.68	n.d.
ADI-55981	0.93	n.d.
ADI-55982	0.79	n.d.
ADI-55984	1.15	n.d.
ADI-55986	1.01	n.d.
ADI-55988	18.98	97.94
ADI-55989	45.70	2.21
ADI-55990	0.81	n.d.
ADI-55992	164.05	2.13
ADI-55993	91.26	16.96
ADI-55994	67.53	6.90
ADI-55995	2.26	n.d.

ADI ID	SARS-CoV-2 S WT-Cell binding Fold-Over-Background	SARS-CoV-2 S WT-Cell binding EC ₅₀ [nM]
ADI-55996	1.02	n.d.
ADI-55997	1.00	n.d.
ADI-55998	3.68	n.d.
ADI-55999	0.96	n.d.
ADI-56000	71.54	15.68
ADI-56001	85.34	4.29
ADI-56002	4.77	n.d.
ADI-56003	35.24	44.45
ADI-56004	5.10	115.60
ADI-56005	142.45	1.75
ADI-56006	241.60	1.68
ADI-56007	3.34	n.d.
ADI-56008	23.50	n.d.
ADI-56009	1.20	n.d.
ADI-56010	41.00	n.d.
ADI-56011	66.94	4.83
ADI-56012	1.46	n.d.
ADI-56013	6.48	n.d.
ADI-56014	0.88	n.d.
ADI-56015	1.26	n.d.
ADI-56016	93.39	1.57
ADI-56017	1.06	n.d.
ADI-56018	1.96	n.d.
ADI-56019	1.04	n.d.
ADI-56020	32.34	47.82

FIG. 20C

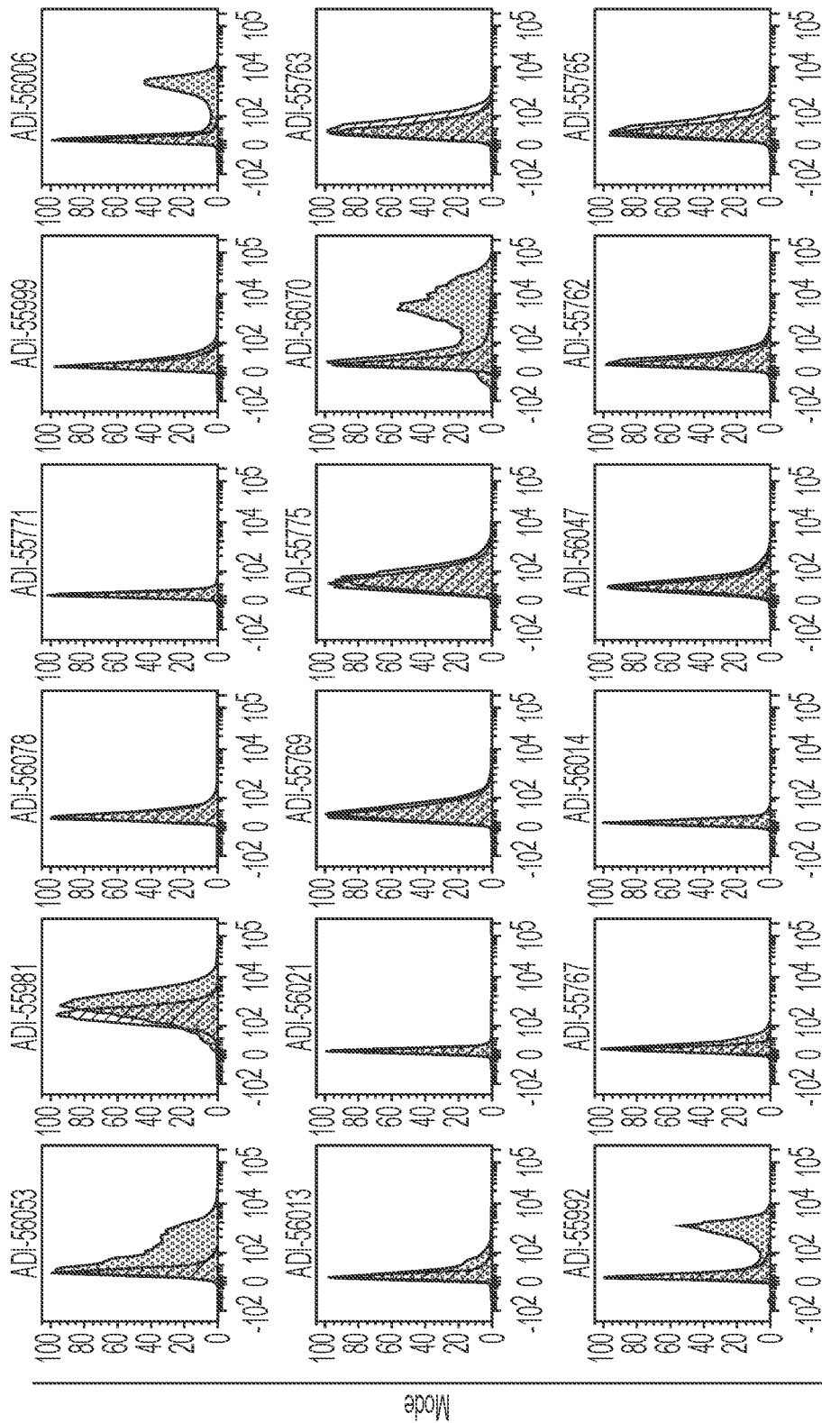
ADI ID	SARS-CoV-2 S WT-Cell binding Fold-Over-Background	SARS-CoV-2 S WT-Cell binding EC ₅₀ [nM]
ADI-56021	0.79	n.d.
ADI-56022	1.31	n.d.
ADI-56023	1.00	n.d.
ADI-56024	1.19	n.d.
ADI-56025	0.90	n.d.
ADI-56026	2.36	n.d.
ADI-56027	1.03	n.d.
ADI-56028	0.97	n.d.
ADI-56029	1.03	n.d.
ADI-56030	1.09	n.d.
ADI-56031	1.36	n.d.
ADI-56032	18.44	15.18
ADI-56033	183.48	18.52
ADI-56034	127.62	4.74
ADI-56035	9.19	49.69
ADI-56037	1.15	n.d.
ADI-56038	1.06	n.d.
ADI-56039	1.44	n.d.
ADI-56040	44.46	0.61
ADI-56041	0.98	n.d.
ADI-56042	6.66	23.64
ADI-56043	141.53	0.28
ADI-56044	4.15	n.d.
ADI-56045	1.31	n.d.
ADI-56046	74.67	0.82

ADI ID	SARS-CoV-2 S WT-Cell binding Fold-Over-Background	SARS-CoV-2 S WT-Cell binding EC ₅₀ [nM]
ADI-56047	2.73	n.d.
ADI-56048	1.18	n.d.
ADI-56049	1.03	n.d.
ADI-56050	1.09	n.d.
ADI-56051	6.76	n.d.
ADI-56052	0.77	n.d.
ADI-56053	1.85	n.d.
ADI-56054	8.66	8.57
ADI-56055	1.06	n.d.
ADI-56056	0.99	n.d.
ADI-56057	1.00	n.d.
ADI-56058	27.36	n.d.
ADI-56059	225.54	1.29
ADI-56061	1.04	n.d.
ADI-56062	0.97	n.d.
ADI-56063	1.28	n.d.
ADI-56064	1.01	n.d.
ADI-56065	5.01	n.d.
ADI-56066	1.32	n.d.
ADI-56067	1.02	n.d.
ADI-56068	0.93	n.d.
ADI-56069	1.05	n.d.
ADI-56070	1.30	n.d.
ADI-56071	62.43	6.32
ADI-56072	1.10	n.d.

FIG. 20D

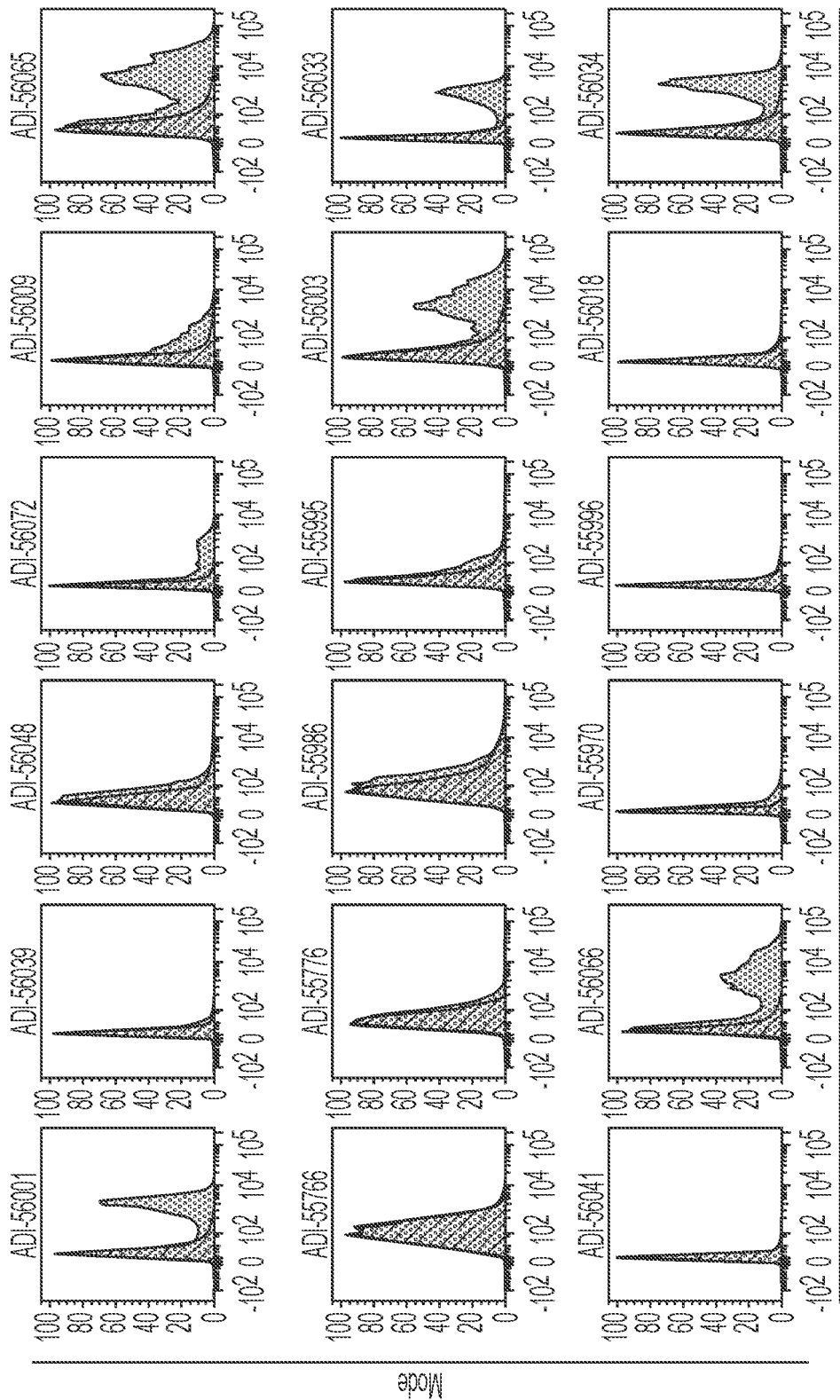
ADI ID	SARS-CoV-2 S WT-Cell binding Fold-Over-Background	SARS-CoV-2 S WT-Cell binding EC ₅₀ [nM]
ADI-56073	87.68	4.64
ADI-56074	5.39	n.d.
ADI-56075	0.90	n.d.
ADI-56076	1.15	n.d.
ADI-56078	1.35	n.d.
ADI-56079	1.30	n.d.
ADI-56080	1.55	n.d.
ADI-56081	64.45	5.95
ADI-56082	0.75	n.d.
ADI-56083	0.98	n.d.
ADI-56084	2.59	n.d.

FIG. 20E



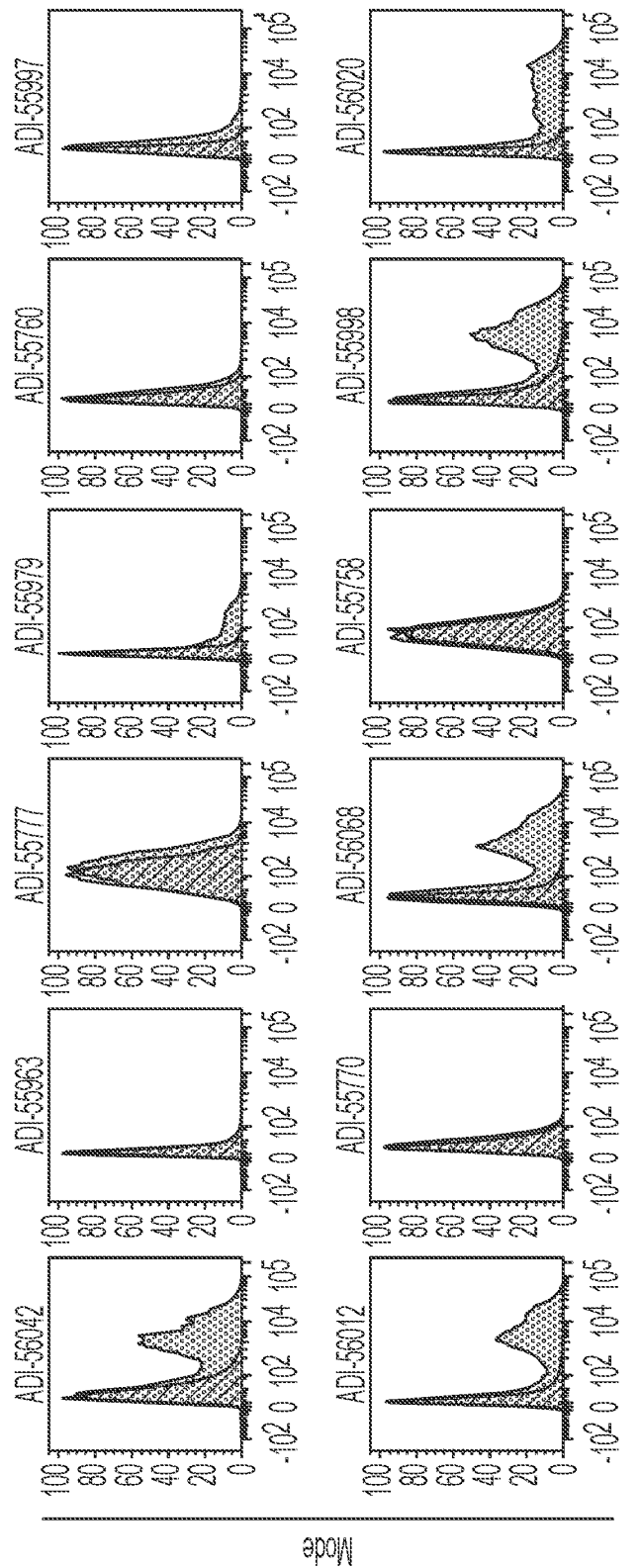
Cell surface expressed SARS-CoV S binding MFI

FIG. 20F



Cell surface expressed SARS-CoV S binding MFI

FIG. 20F CONTINUED



Cell surface expressed SARS-CoV S binding MFI
FIG. 20F CONTINUED

ADI ID	ACE-2 competitor?	CR3022 competitor?
ADI-55688	Yes	No
ADI-55689	Yes	No
ADI-55690	Yes	Yes
ADI-55691	N/A	N/A
ADI-55692	No	No
ADI-55693		
ADI-55694	No	No
ADI-55695	N/A	N/A
ADI-55696	N/A	N/A
ADI-55697	No	No
ADI-55698	N/A	N/A
ADI-55699	No	No
ADI-55700	N/A	N/A
ADI-55701	N/A	N/A
ADI-55702		
ADI-55703	N/A	N/A
ADI-55704	N/A	N/A
ADI-55705	N/A	N/A
ADI-55706	N/A	N/A
ADI-55707	N/A	N/A
ADI-55708	N/A	N/A
ADI-55709		
ADI-55710	N/A	N/A
ADI-55711	N/A	N/A
ADI-55712	N/A	N/A

ADI ID	ACE-2 competitor?	CR3022 competitor?
ADI-55713		
ADI-55714	N/A	N/A
ADI-55715	N/A	N/A
ADI-55716	N/A	N/A
ADI-55717		
ADI-55718	N/A	N/A
ADI-55719	N/A	N/A
ADI-55721	N/A	N/A
ADI-55722	N/A	N/A
ADI-55723	N/A	N/A
ADI-55724	N/A	N/A
ADI-55725	N/A	N/A
ADI-55726	N/A	N/A
ADI-55727	N/A	N/A
ADI-55728	N/A	N/A
ADI-55729	N/A	N/A
ADI-55730	N/A	N/A
ADI-55731	N/A	N/A
ADI-55732	N/A	N/A
ADI-55733	N/A	N/A
ADI-55734	N/A	N/A
ADI-55735	N/A	N/A
ADI-55736	N/A	N/A
ADI-55737	N/A	N/A
ADI-55738		

FIG. 21A

ADI ID	ACE-2 competitor?	CR3022 competitor?
ADI-55739	N/A	N/A
ADI-55740	N/A	N/A
ADI-55741	N/A	N/A
ADI-55742	N/A	N/A
ADI-55743	N/A	N/A
ADI-55744		
ADI-55745	N/A	N/A
ADI-55746	N/A	N/A
ADI-55747	N/A	N/A
ADI-55748	N/A	N/A
ADI-55749	No	Yes
ADI-55750	N/A	N/A
ADI-55751	N/A	N/A
ADI-55752	N/A	N/A
ADI-55753	N/A	N/A
ADI-55754	No	Yes
ADI-55755	N/A	N/A
ADI-55756	N/A	N/A
ADI-55757	No	No
ADI-55758	N/A	N/A
ADI-55720		
ADI-55760	N/A	N/A
ADI-55761	N/A	N/A
ADI-55762	N/A	N/A
ADI-55763	N/A	N/A

ADI ID	ACE-2 competitor?	CR3022 competitor?
ADI-55765	N/A	N/A
ADI-55766	N/A	N/A
ADI-55767	N/A	N/A
ADI-55769	N/A	N/A
ADI-55770	N/A	N/A
ADI-55771	N/A	No
ADI-55775	N/A	N/A
ADI-55776	N/A	N/A
ADI-55777	N/A	N/A
ADI-55950	N/A	N/A
ADI-55951	Yes	Yes
ADI-55952	N/A	N/A
ADI-55953	N/A	N/A
ADI-55954	N/A	N/A
ADI-55955	N/A	N/A
ADI-55956	N/A	N/A
ADI-55957	N/A	N/A
ADI-55958	No	No
ADI-55959	N/A	N/A
ADI-55960	N/A	N/A
ADI-55961	N/A	N/A
ADI-55962	N/A	N/A
ADI-55963	N/A	N/A
ADI-55964	N/A	N/A
ADI-55965	N/A	N/A

FIG. 21B

ADI ID	ACE-2 competitor?	CR3022 competitor?
ADI-55966	N/A	N/A
ADI-55967	N/A	N/A
ADI-55968	N/A	N/A
ADI-55969	N/A	N/A
ADI-55970	N/A	N/A
ADI-55972	N/A	N/A
ADI-55973	N/A	N/A
ADI-55974	N/A	N/A
ADI-55975	N/A	N/A
ADI-55976	N/A	N/A
ADI-55977	No	No
ADI-55978	N/A	N/A
ADI-55979	N/A	N/A
ADI-55980	N/A	N/A
ADI-55981	N/A	N/A
ADI-55982	N/A	N/A
ADI-55984	N/A	N/A
ADI-55986	N/A	N/A
ADI-55988	N/A	N/A
ADI-55989	N/A	N/A
ADI-55990	N/A	N/A
ADI-55992	N/A	N/A
ADI-55993	Yes	No
ADI-55994	N/A	N/A
ADI-55995	N/A	N/A

ADI ID	ACE-2 competitor?	CR3022 competitor?
ADI-55996	N/A	N/A
ADI-55997	N/A	N/A
ADI-55998	N/A	N/A
ADI-55999	N/A	N/A
ADI-56000	Yes	No
ADI-56001	N/A	N/A
ADI-56002	N/A	N/A
ADI-56003	N/A	N/A
ADI-56004	N/A	N/A
ADI-56005	N/A	N/A
ADI-56006	N/A	N/A
ADI-56007	No	No
ADI-56008	N/A	N/A
ADI-56009	N/A	N/A
ADI-56010	Yes	Yes
ADI-56011	N/A	N/A
ADI-56012	N/A	N/A
ADI-56013	N/A	N/A
ADI-56014	N/A	N/A
ADI-56015	N/A	N/A
ADI-56016	N/A	N/A
ADI-56017	N/A	N/A
ADI-56018	N/A	N/A
ADI-56019	N/A	N/A
ADI-56020	No	Yes

FIG. 21C

ADI ID	ACE-2 competitor?	CR3022 competitor?
ADI-56021	N/A	N/A
ADI-56022	N/A	N/A
ADI-56023	N/A	N/A
ADI-56024	N/A	N/A
ADI-56025	N/A	N/A
ADI-56026	N/A	N/A
ADI-56027	N/A	N/A
ADI-56028	N/A	N/A
ADI-56029	N/A	N/A
ADI-56030	N/A	N/A
ADI-56031	N/A	N/A
ADI-56032	N/A	N/A
ADI-56033	N/A	N/A
ADI-56034	N/A	N/A
ADI-56035	Yes	No
ADI-56037	N/A	N/A
ADI-56038	N/A	N/A
ADI-56039	N/A	N/A
ADI-56040	No	No
ADI-56041	N/A	N/A
ADI-56042	N/A	N/A
ADI-56043	N/A	N/A
ADI-56044	N/A	N/A
ADI-56045	N/A	N/A
ADI-56046	Yes	Yes
ADI-56047	N/A	N/A
ADI-56048	N/A	N/A
ADI-56049	N/A	N/A
ADI-56050	N/A	N/A
ADI-56051	No	No
ADI-56052	N/A	N/A
ADI-56053	No	No
ADI-56054	N/A	N/A
ADI-56055	N/A	N/A
ADI-56056	N/A	N/A
ADI-56057	N/A	N/A
ADI-56058	No	No
ADI-56059	N/A	N/A
ADI-56061	N/A	N/A
ADI-56062	N/A	N/A
ADI-56063	N/A	N/A
ADI-56064	N/A	N/A
ADI-56065	N/A	N/A
ADI-56066	N/A	N/A
ADI-56067	N/A	N/A
ADI-56068	N/A	N/A
ADI-56069	N/A	N/A
ADI-56070	N/A	N/A
ADI-56071	Yes	No
ADI-56072	N/A	N/A

FIG. 21D

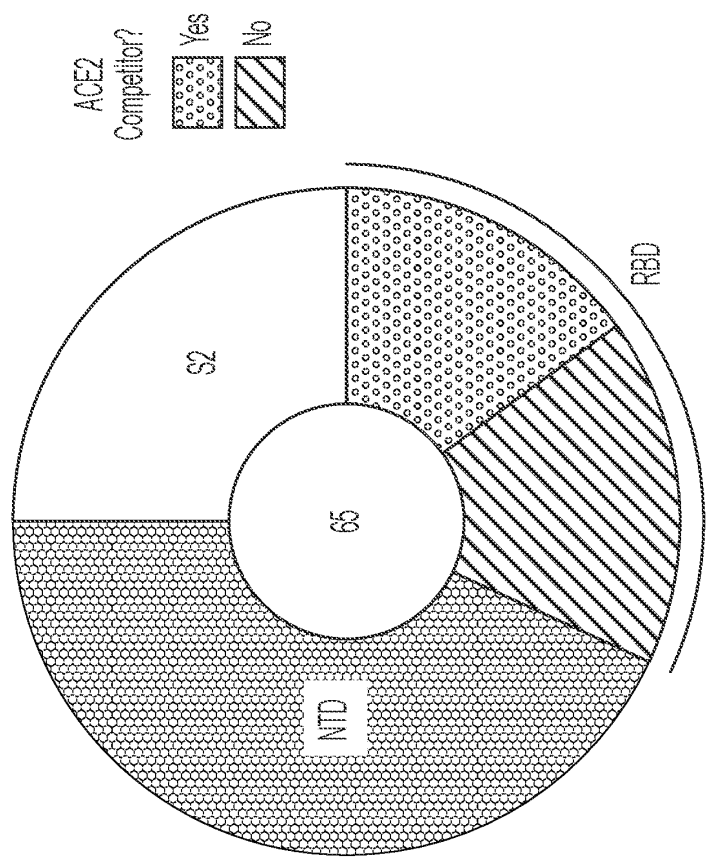


FIG. 21F

ADI ID	ACE-2 competitor?	CR3022 competitor?
ADI-56073	N/A	N/A
ADI-56074	N/A	N/A
ADI-56075	N/A	N/A
ADI-56076	N/A	N/A
ADI-56078	N/A	N/A
ADI-56079	N/A	N/A
ADI-56080	N/A	N/A
ADI-56081	N/A	N/A
ADI-56082	N/A	N/A
ADI-56083	N/A	N/A
ADI-56084	N/A	N/A

FIG. 21E

ADI Name	% Neutralization at 100 nM rVSV-SARS-CoV-2	Neutralization IC ₅₀ [nM] rVSV-SARS-CoV-2	Neutralization IC ₅₀ [μg/mL] rVSV-SARS-CoV-2	% Neutralization at 100 nM Authentic SARS- CoV-2	Neutralization IC ₅₀ [nM] Authentic SARS- CoV-2	Neutralization IC ₅₀ SARS-CoV-2-MSCV pseudotype [μg/mL]	Neutralization IC ₅₀ SARS-CoV-2-MSCV pseudotype [μg/mL]
ADI-55688	92.2	0.42	0.06	97.77	4.38	<0.016	~0.016
ADI-55689	98.1	0.16	0.02	99.91	0.61	<0.016	~0.016
ADI-55690	85.5	n.d.	n.d.	91.92	14.12	<0.016	~0.08
ADI-55691	54.3	n.d.	n.d.	0.00		<0.16	n.d.
ADI-55692	45.2	n.d.	n.d.	0.00		<0.016	>50
ADI-55693							
ADI-55694	41.1	n.d.	n.d.	3.58		~0.16	>50
ADI-55695	36.2	n.d.	n.d.	0.00		>50	>50
ADI-55696	22.6	n.d.	n.d.	0.00		>50	>50
ADI-55697	38.4	n.d.	n.d.	0.00		<0.16	n.d.
ADI-55698	36.1	n.d.	n.d.	2.71		>50	>50
ADI-55699	67.0	n.d.	n.d.	18.87		5.457	~2
ADI-55700	13.5	n.d.	n.d.	1.31		>50	>50
ADI-55701	29.9	n.d.	n.d.	3.71		>50	>50
ADI-55702							
ADI-55703	31.3	n.d.	n.d.	10.53		>50	>50
ADI-55704	36.4	n.d.	n.d.	0.00		>50	>50
ADI-55705	32.5	n.d.	n.d.	0.00		>50	>50
ADI-55706	28.8	n.d.	n.d.	0.00		>50	>50
ADI-55707	39.2	n.d.	n.d.	0.00		>50	>50
ADI-55708	16.5	n.d.	n.d.	9.09		>50	>50
ADI-55709							
ADI-55710	29.4	n.d.	n.d.	1.95		>50	>50
ADI-55711	47.8	n.d.	n.d.	13.45		>50	>50
ADI-55712	29.7	n.d.	n.d.	0.00		>50	>50

FIG. 22A

ADI Name	% Neutralization at 100 nM rVSV-SARS-CoV-2	Neutralization IC50 [nM] rVSV-SARS-CoV-2	Neutralization IC50 [μg/mL] rVSV-SARS-CoV-2	% Neutralization at 100 nM Authentic SARS- CoV-2	Neutralization IC50 [nM] Authentic SARS2- USAMRIID	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [μg/mL]	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [μg/mL]
ADI-55713							
ADI-55714	45.0	n.d.	n.d.	0.00		>50	>50
ADI-55715	37.0	n.d.	n.d.	0.00		>50	>50
ADI-55716	37.0	n.d.	n.d.	0.00		>50	>50
ADI-55717							
ADI-55718	32.9	n.d.	n.d.	5.99		>50	>50
ADI-55719	34.5	n.d.	n.d.	7.55		>50	>50
ADI-55721	25.3	n.d.	n.d.	0.00		>50	>50
ADI-55722	16.9	n.d.	n.d.	0.00		>50	>50
ADI-55723	23.7	n.d.	n.d.	3.29		>50	>50
ADI-55724	39.7	n.d.	n.d.	15.12		~ 5	>50
ADI-55725	20.2	n.d.	n.d.	0.00		>50	>50
ADI-55726	28.2	n.d.	n.d.	0.00		>50	>50
ADI-55727	50.8	n.d.	n.d.	0.00		>50	n.d.
ADI-55728	19.9	n.d.	n.d.	0.00		>50	>50
ADI-55729	20.1	n.d.	n.d.	0.70		>50	>50
ADI-55730	42.9	n.d.	n.d.	0.00		>50	>50
ADI-55731	34.6	n.d.	n.d.	0.00		>50	>50
ADI-55732	33.8	n.d.	n.d.	9.88		>50	>50
ADI-55733	14.5	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55734	35.5	n.d.	n.d.	5.47		>50	>50
ADI-55735	16.4	n.d.	n.d.	0.00		>50	>50
ADI-55736	23.2	n.d.	n.d.	5.43		>50	>50
ADI-55737	50.3	n.n.	n.n.	0.00		>50	>50
ADI-55738							

FIG. 22B

ADI Name	% Neutralization at 100 nM rVSV-SARS-CoV-2	Neutralization IC50 [nM] rVSV-SARS-CoV-2	Neutralization IC50 [µg/mL] rVSV-SARS-CoV-2	% Neutralization at 100 nM Authentic SARS- CoV-2	Neutralization IC50 [nM] Authentic SARS- CoV-2	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [µg/mL]	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [µg/mL]
ADI-55739	12.4	n.d.	n.d.	1.71		>50	>50
ADI-55740	46.5	n.d.	n.d.	8.85		>50	n.d.
ADI-55741	33.8	n.d.	n.d.	0.00		>50	>50
ADI-55742	29.6	n.d.	n.d.	1.00		>50	>50
ADI-55743	16.6	n.d.	n.d.	0.57		>50	>50
ADI-55744							
ADI-55745	13.4	n.d.	n.d.	0.00		>50	>50
ADI-55746	30.2	n.d.	n.d.	9.50		>50	>50
ADI-55747	28.1	n.d.	n.d.	0.53		>50	>50
ADI-55748	21.6	n.d.	n.d.	1.70		>50	>50
ADI-55749	69.5	n.n.	n.n.	26.82		~2	>50
ADI-55750	22.6	n.d.	n.d.	0.00		>50	>50
ADI-55751	23.9	n.d.	n.d.	0.00		>50	>50
ADI-55752	30.1	n.d.	n.d.	0.00		>50	>50
ADI-55753	30.1	n.d.	n.d.	0.00		>50	>50
ADI-55754	51.5	n.d.	n.d.	13.01		>50	~5
ADI-55755	8.2	n.d.	n.d.	0.00		>50	>50
ADI-55756	20.0	n.d.	n.d.	0.00		>50	>50
ADI-55757	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55758	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55759							
ADI-55760	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55761	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55762	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55763	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.

FIG. 22C

ADI Name	% Neutralization at 100 nM rVSV-SARS-CoV-2	Neutralization IC50 [nM] rVSV-SARS-CoV-2	Neutralization IC50 [µg/mL] rVSV-SARS-CoV-2	% Neutralization at 100 nM Authentic SARS- CoV-2	Neutralization IC50 [nM] Authentic SARS- CoV-2 USAMRIID	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [µg/mL]	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [µg/mL]
ADI-55765	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55766	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55767	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55769	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55770	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55771	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55775	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55776	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55777	n.d.	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55950	44.4	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55951	89.8	0.57	0.08	62.42	19.41	n.d.	n.d.
ADI-55952	24.5	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55953	27.3	n.d.	n.d.	0.65		n.d.	n.d.
ADI-55954	25.3	n.d.	n.d.	4.73		n.d.	n.d.
ADI-55955	39.2	n.d.	n.d.	6.28		n.d.	n.d.
ADI-55956	2.1	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55957	22.3	n.d.	n.d.	3.47		n.d.	n.d.
ADI-55958	34.0	n.d.	n.d.	4.37		n.d.	n.d.
ADI-55959	32.9	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55960	34.5	n.d.	n.d.	8.53		n.d.	n.d.
ADI-55961	31.2	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55962	24.4	n.d.	n.d.	0.24		n.d.	n.d.
ADI-55963	28.4	n.d.	n.d.	6.96		n.d.	n.d.
ADI-55964	19.7	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55965	26.2	n.d.	n.d.	0.00		n.d.	n.d.

FIG. 22D

ADI Name	% Neutralization at 100 nM rVSV-SARS-CoV-2	Neutralization IC50 [nM] rVSV-SARS-CoV-2	Neutralization IC50 [ug/mL] rVSV-SARS-CoV-2	% Neutralization at 100 nM Authentic SARS- CoV-2	Neutralization IC50 [nM] Authentic SARS- CoV-2	Neutralization IC50 SARS-CoV-2- pseudotype [ug/mL]	Neutralization IC50 SARS-CoV-2- pseudotype [ug/mL]
ADI-55966	45.3	n.d.	n.d.	2.66		n.d.	n.d.
ADI-55967	27.1	n.d.	n.d.	3.79		n.d.	n.d.
ADI-55968	21.0	n.d.	n.d.	0.26		n.d.	n.d.
ADI-55969	32.2	n.d.	n.d.	13.64		n.d.	n.d.
ADI-55970	9.0	n.d.	n.d.	7.21		n.d.	n.d.
ADI-55972	23.6	n.d.	n.d.	11.87		n.d.	n.d.
ADI-55973	27.2	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55974	34.7	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55975	12.0	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55976	21.8	n.d.	n.d.	1.29		n.d.	n.d.
ADI-55977	15.8	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55978	32.8	n.d.	n.d.	11.84		n.d.	n.d.
ADI-55979	30.8	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55980	33.2	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55981	24.8	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55982	26.5	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55984	49.8	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55986	9.6	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55988	46.3	n.d.	n.d.	0.75		n.d.	n.d.
ADI-55989	36.6	n.d.	n.d.	4.03		n.d.	n.d.
ADI-55990	41.9	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55992	45.1	n.d.	n.d.	9.26		n.d.	n.d.
ADI-55993	95.6	0.25	0.04	99.28	0.82	n.d.	n.d.
ADI-55994	27.0	n.d.	n.d.	14.11		n.d.	n.d.
ADI-55995	26.1	n.d.	n.d.	0.00		n.d.	n.d.

FIG. 22E

ADI Name	% Neutralization at 100 nM rVSV-SARS-CoV-2	Neutralization IC50 [nM] rVSV-SARS-CoV-2	Neutralization IC50 [µg/mL] rVSV-SARS-CoV-2	% Neutralization at 100 nM Authentic SARS- CoV-2	Neutralization IC50 [nM] Authentic SARS- CoV-2	Neutralization IC50 SARS-CoV-MSCV pseudotype [µg/mL]	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [µg/mL]
ADI-55996	66.4	n.d.	n.d.	0.00		n.d.	n.d.
ADI-55997	19.8	n.d.	n.d.	6.87		n.d.	n.d.
ADI-55998	12.3	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-55999	18.3	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56000	95.6	0.82	0.12	98.18	1.28	n.d.	n.d.
ADI-56001	21.7	n.d.	n.d.	16.60		n.d.	n.d.
ADI-56002	17.1	n.d.	n.d.	1.93		n.d.	n.d.
ADI-56003	46.5	n.d.	n.d.	4.57		n.d.	n.d.
ADI-56004	38.0	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56005	29.9	n.d.	n.d.	20.81		n.d.	n.d.
ADI-56006	33.9	n.d.	n.d.	7.18		n.d.	n.d.
ADI-56007	49.3	n.d.	n.d.	0.84		n.d.	n.d.
ADI-56008	30.5	n.d.	n.d.	6.74		n.d.	n.d.
ADI-56009	26.4	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56010	91.5	0.42	0.06	99.39	4.26	n.d.	n.d.
ADI-56011	37.7	n.d.	n.d.	10.91		n.d.	n.d.
ADI-56012	27.1	n.d.	n.d.	0.18		n.d.	n.d.
ADI-56013	50.8	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56014	12.3	n.d.	n.d.	3.05		n.d.	n.d.
ADI-56015	65.4	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56016	12.2	n.d.	n.d.	1.30		n.d.	n.d.
ADI-56017	24.7	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56018	16.7	n.d.	n.d.	5.05		n.d.	n.d.
ADI-56019	25.0	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56020	70.6	n.d.	n.d.	6.60		n.d.	n.d.

FIG. 22F

ADI Name	% Neutralization at 100 nM rVSV-SARS-CoV-2	Neutralization IC50 [nM] rVSV-SARS-CoV-2	Neutralization IC50 [ug/mL] rVSV-SARS-CoV-2	% Neutralization at 100 nM Authentic SARS- CoV-2	Neutralization IC50 [nM] Authentic SARS- CoV-2	Neutralization IC50 SARS-CoV-MSCV pseudotype [ug/mL]	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [ug/mL]
ADI-56021	11.3	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56022	21.4	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56023	3.1	n.d.	n.d.	0.75		n.d.	n.d.
ADI-56024	12.3	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56025	37.7	n.d.	n.d.	0.57		n.d.	n.d.
ADI-56026	20.5	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-56027	16.0	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56028	23.9	n.d.	n.d.	8.66		n.d.	n.d.
ADI-56029	47.4	n.d.	n.d.	6.85		n.d.	n.d.
ADI-56030	39.8	n.d.	n.d.	0.28		n.d.	n.d.
ADI-56031	28.2	n.d.	n.d.	3.27		n.d.	n.d.
ADI-56032	17.4	n.d.	n.d.	46.97	5.15	n.d.	n.d.
ADI-56033	31.2	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56034	54.7	n.d.	n.d.	3.52		n.d.	n.d.
ADI-56035	31.5	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56037	38.9	n.d.	n.d.	8.35		n.d.	n.d.
ADI-56038	24.1	n.d.	n.d.	5.77		n.d.	n.d.
ADI-56039	9.5	n.d.	n.d.	4.36		n.d.	n.d.
ADI-56040	54.9	n.d.	n.d.	2.34		n.d.	n.d.
ADI-56041	27.6	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56042	53.4	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56043	18.1	n.d.	n.d.	13.75		n.d.	n.d.
ADI-56044	7.8	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56045	29.9	n.d.	n.d.	0.69		n.d.	n.d.
ADI-56046	95.2	0.09	0.01	99.94	1.30	n.d.	n.d.

FIG. 22G

ADI Name	% Neutralization at 100 nM rVSV-SARS-CoV-2	Neutralization IC50 [nM] rVSV-SARS-CoV-2	Neutralization IC50 [ug/mL] rVSV-SARS-CoV-2	% Neutralization at 100 nM Authentic SARS- CoV-2	Neutralization IC50 [nM] Authentic SARS- CoV-2	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [ug/mL]	Neutralization IC50 SARS-CoV-2-MSCV pseudotype [ug/mL]
ADI-56047	24.0	n.d.	n.d.	16.25		n.d.	n.d.
ADI-56048	27.7	n.d.	n.d.	13.76		n.d.	n.d.
ADI-56049	20.9	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56050	9.2	n.d.	n.d.	4.03		n.d.	n.d.
ADI-56051	29.3	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56052	26.3	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56053	26.8	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56054	15.1	n.d.	n.d.	7.08		n.d.	n.d.
ADI-56055	35.7	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56056	21.5	n.d.	n.d.	0.96		n.d.	n.d.
ADI-56057	39.2	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56058	44.5	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56059	29.7	n.d.	n.d.	8.14		n.d.	n.d.
ADI-56061	35.8	n.d.	n.d.	0.04		n.d.	n.d.
ADI-56062	5.1	n.d.	n.d.	5.39		n.d.	n.d.
ADI-56063	56.2	n.d.	n.d.	9.86		n.d.	n.d.
ADI-56064	21.0	n.d.	n.d.	0.00		n.d.	n.d.
ADI-56065	7.7	n.d.	n.d.	4.03		n.d.	n.d.
ADI-56066	16.4	n.d.	n.d.	n.d.		n.d.	n.d.
ADI-56067	30.5	n.d.	n.d.	2.90		n.d.	n.d.
ADI-56068	22.8	n.d.	n.d.	2.12		n.d.	n.d.
ADI-56069	23.7	n.d.	n.d.	4.03		n.d.	n.d.
ADI-56070	17.5	n.d.	n.d.	6.12		n.d.	n.d.
ADI-56071	57.2	n.d.	n.d.	11.47		n.d.	n.d.
ADI-56072	29.8	n.d.	n.d.	0.00		n.d.	n.d.

FIG. 22H

ADI Name	% Neutralization at 100 nM rNSV-SARS-CoV-2	Neutralization IC ₅₀ [nM] rNSV-SARS-CoV-2	Neutralization IC ₅₀ [μg/mL] rNSV-SARS-CoV-2	% Neutralization at 100 nM Authentic SARS- CoV-2	Neutralization IC ₅₀ [nM] Authentic SARS- CoV-2	Neutralization IC ₅₀ [μg/mL] Authentic SARS- CoV-2	Neutralization IC ₅₀ SARS-CoV-2- pesudotype [μg/mL]	Neutralization IC ₅₀ SARS-CoV-2- pesudotype [μg/mL]
ADI-56073	23.8	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
ADI-56074	13.0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
ADI-56075	24.3	n.d.	n.d.	0.00	0.00	n.d.	n.d.	n.d.
ADI-56076	19.0	n.d.	n.d.	3.48	n.d.	n.d.	n.d.	n.d.
ADI-56078	11.6	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
ADI-56079	20.1	n.d.	n.d.	0.00	0.00	n.d.	n.d.	n.d.
ADI-56080	15.1	n.d.	n.d.	2.01	n.d.	n.d.	n.d.	n.d.
ADI-56081	24.8	n.d.	n.d.	5.84	n.d.	n.d.	n.d.	n.d.
ADI-56082	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
ADI-56083	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
ADI-56084	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.

FIG. 22I

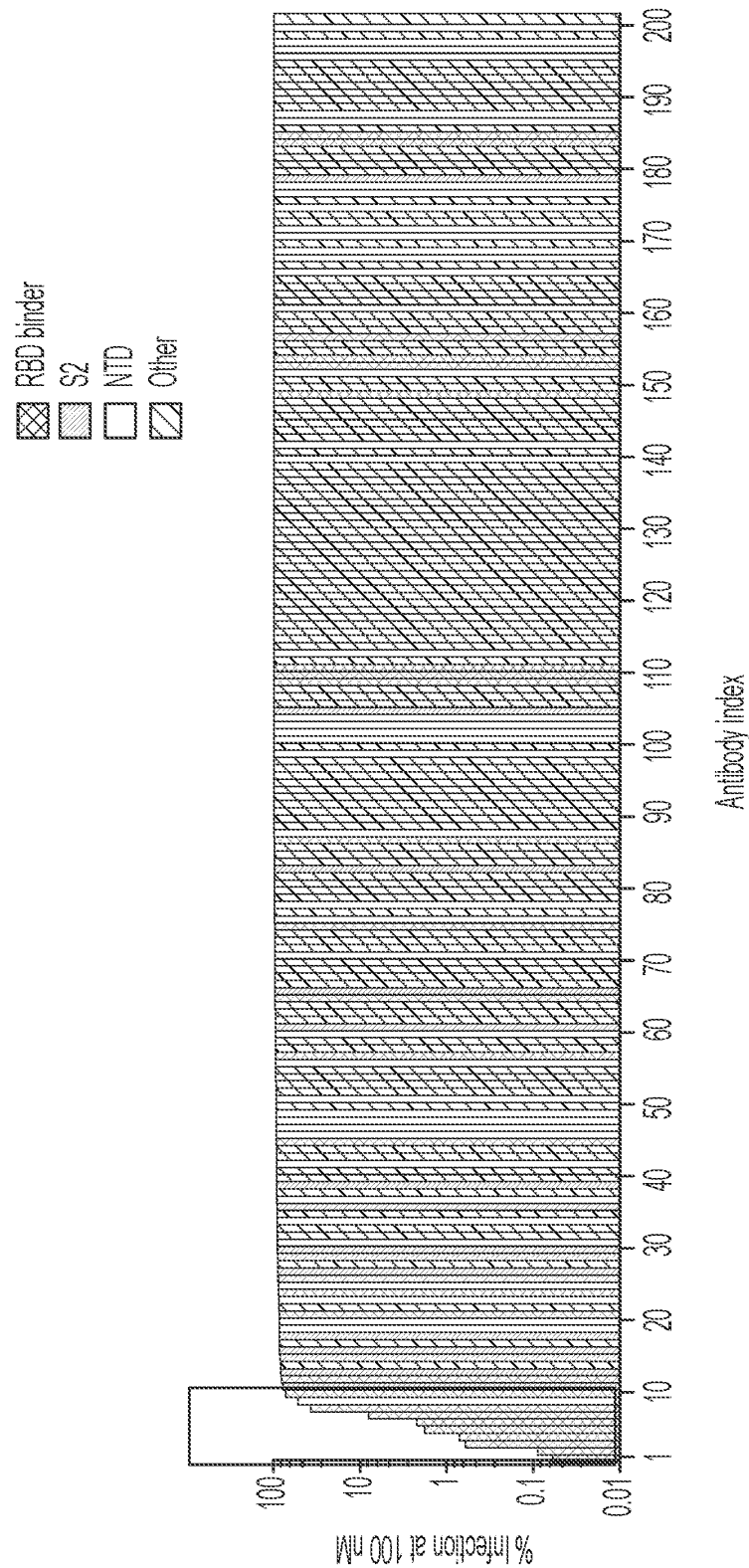


FIG. 23A

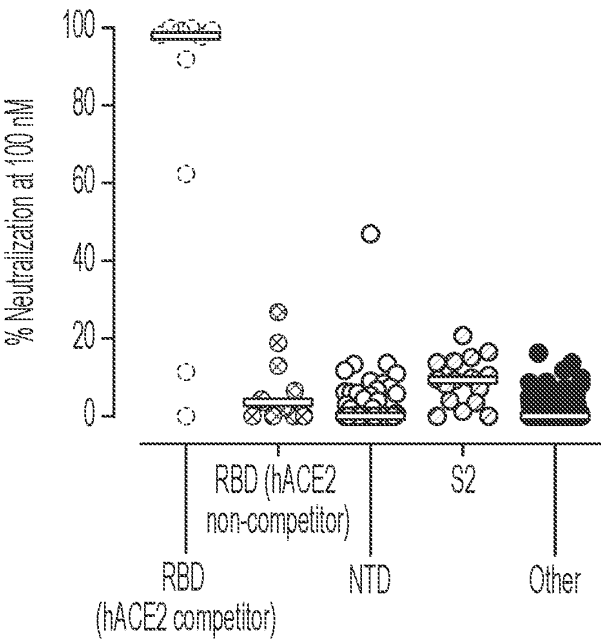


FIG. 23B

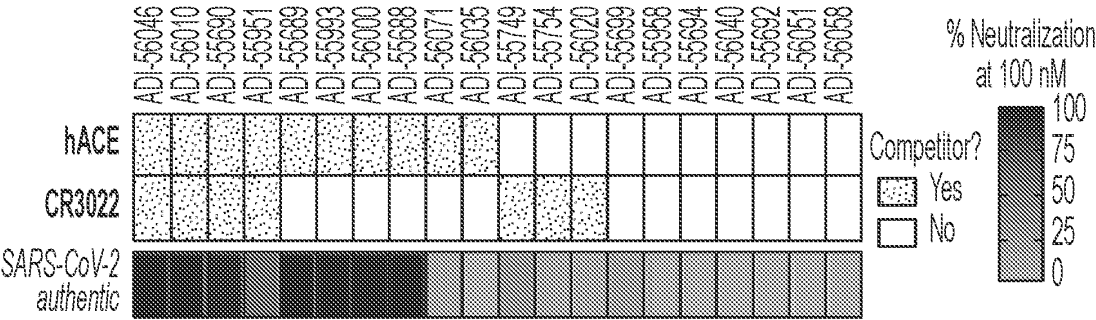


FIG. 23C

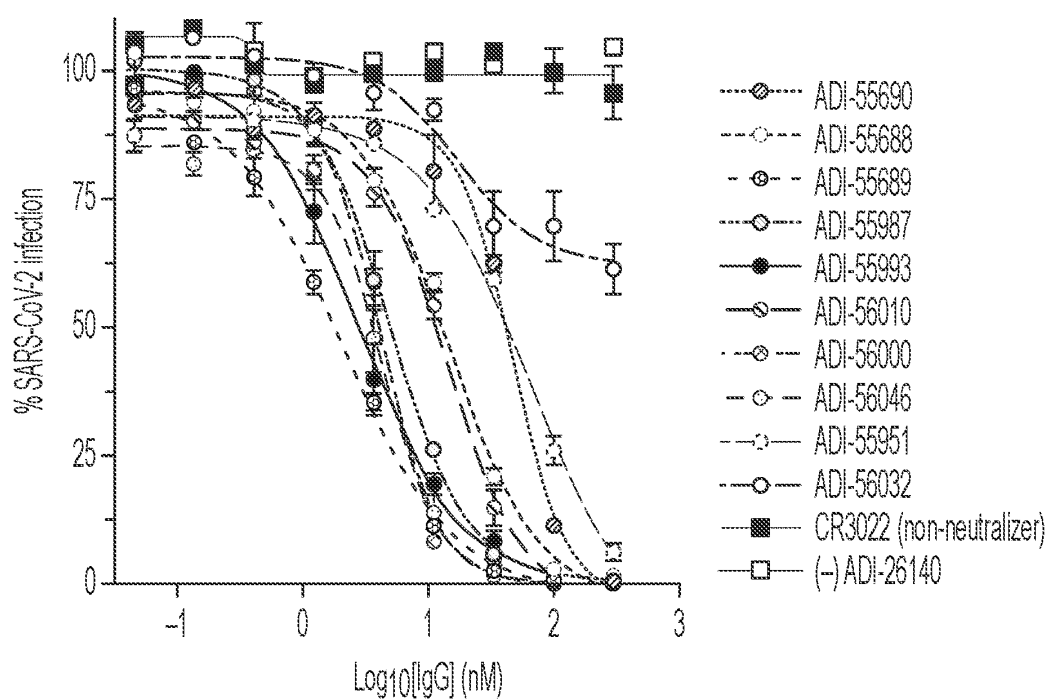


FIG. 23D

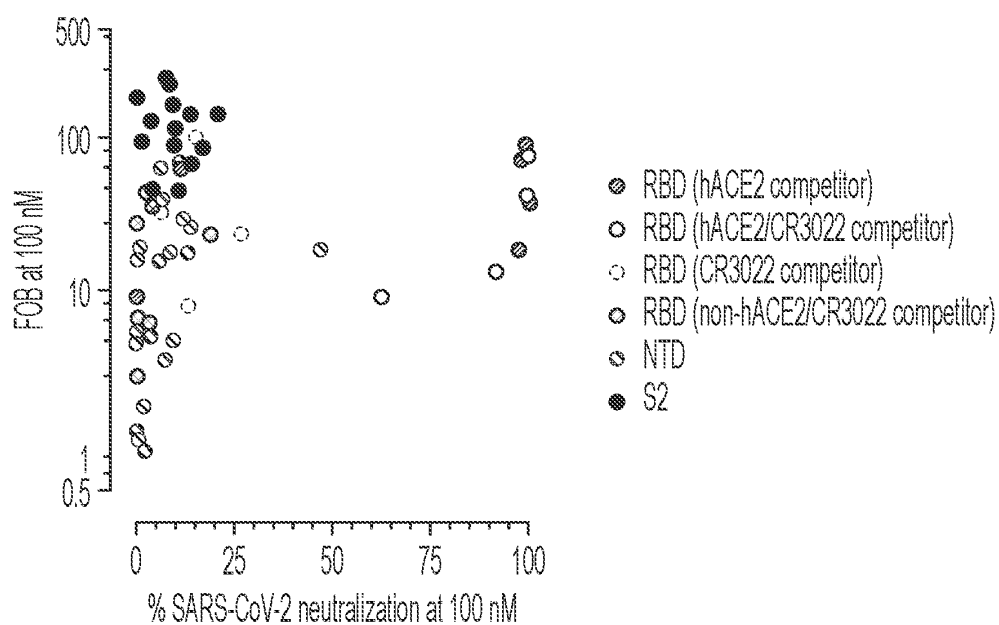


FIG. 23E

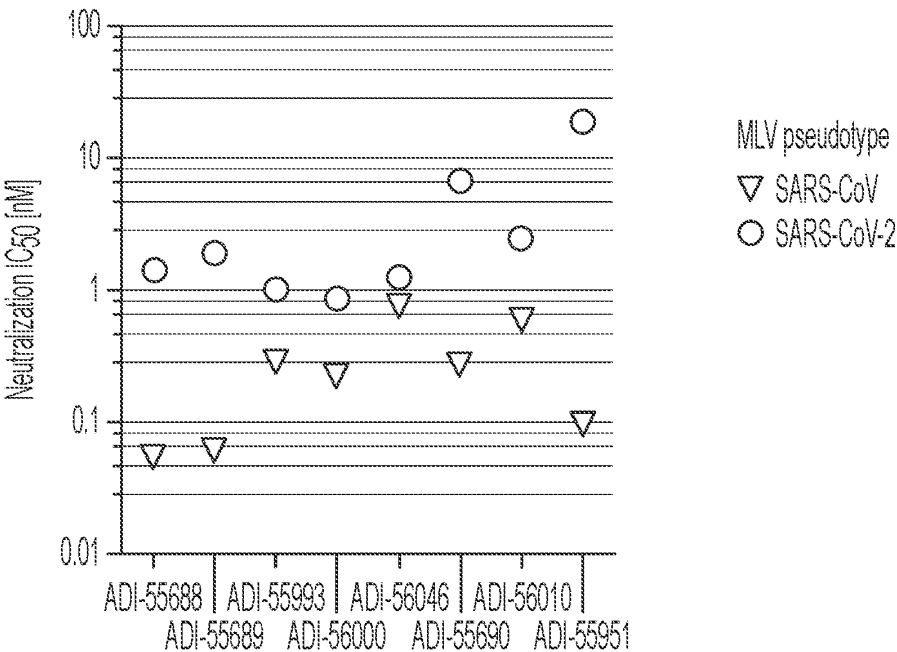


FIG. 23F

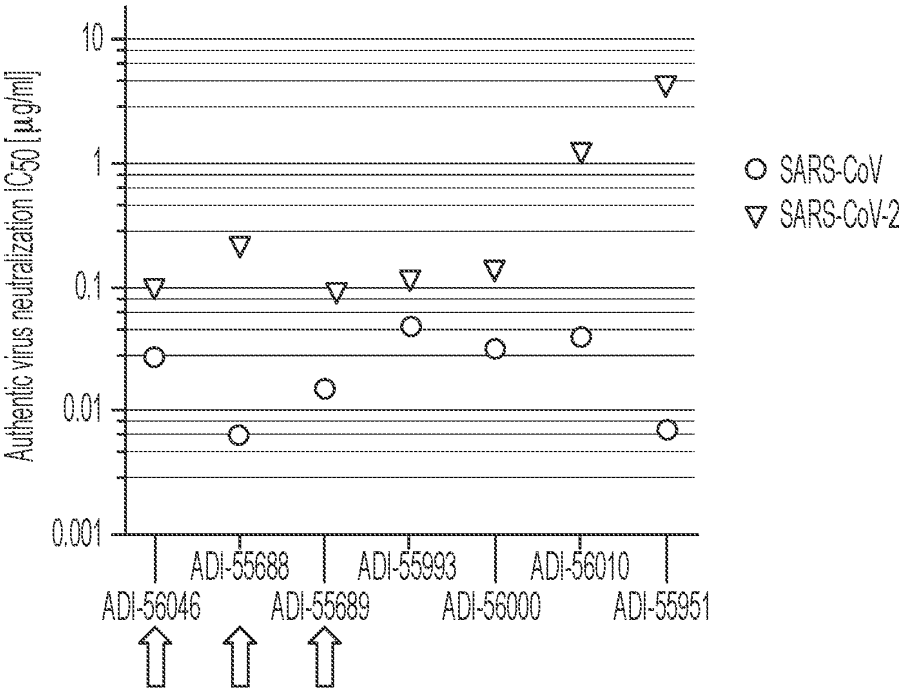


FIG. 23G

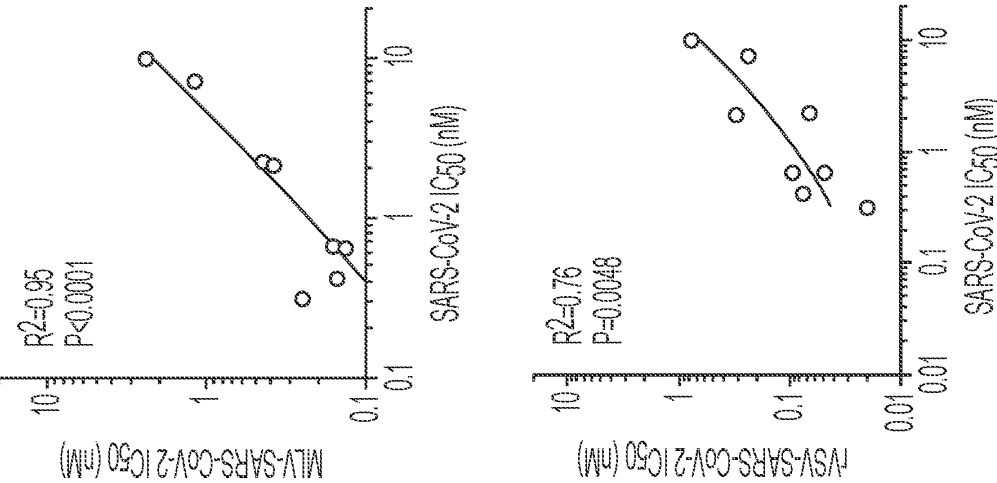


FIG. 24

ADI Name	Antigenic Site	SARS-CoV-2 MLV pesudos [ug/mL]	SARS-CoV-2 MLV pesudos [ug/mL]	Authentic SARS-CoV-2 IC50 (ug/mL)	rNSV-SARS-CoV-2 IC50 [ug/mL]
ADI-55951	RBD / hACE2 / CR3022	ND	ND	9.71	0.08
ADI-55690	RBD / hACE2 / CR3022	0.034	124	7.06	50.00
ADI-56032	NTD	ND	ND	2.58	ND
ADI-55688	RBD / hACE2	0.004	0.56	2.19	0.06
ADI-56010	RBD / hACE2 / CR3022	ND	ND	2.13	0.06
ADI-56046	RBD / hACE2 / CR3022	0.090	0.16	0.65	0.01
ADI-56000	RBD / hACE2	>50	ND	0.64	0.12
ADI-55993	RBD / hACE2	ND	ND	0.41	0.04
ADI-55689	RBD / hACE2	0.009	0.23	0.31	0.02

FIG. 25

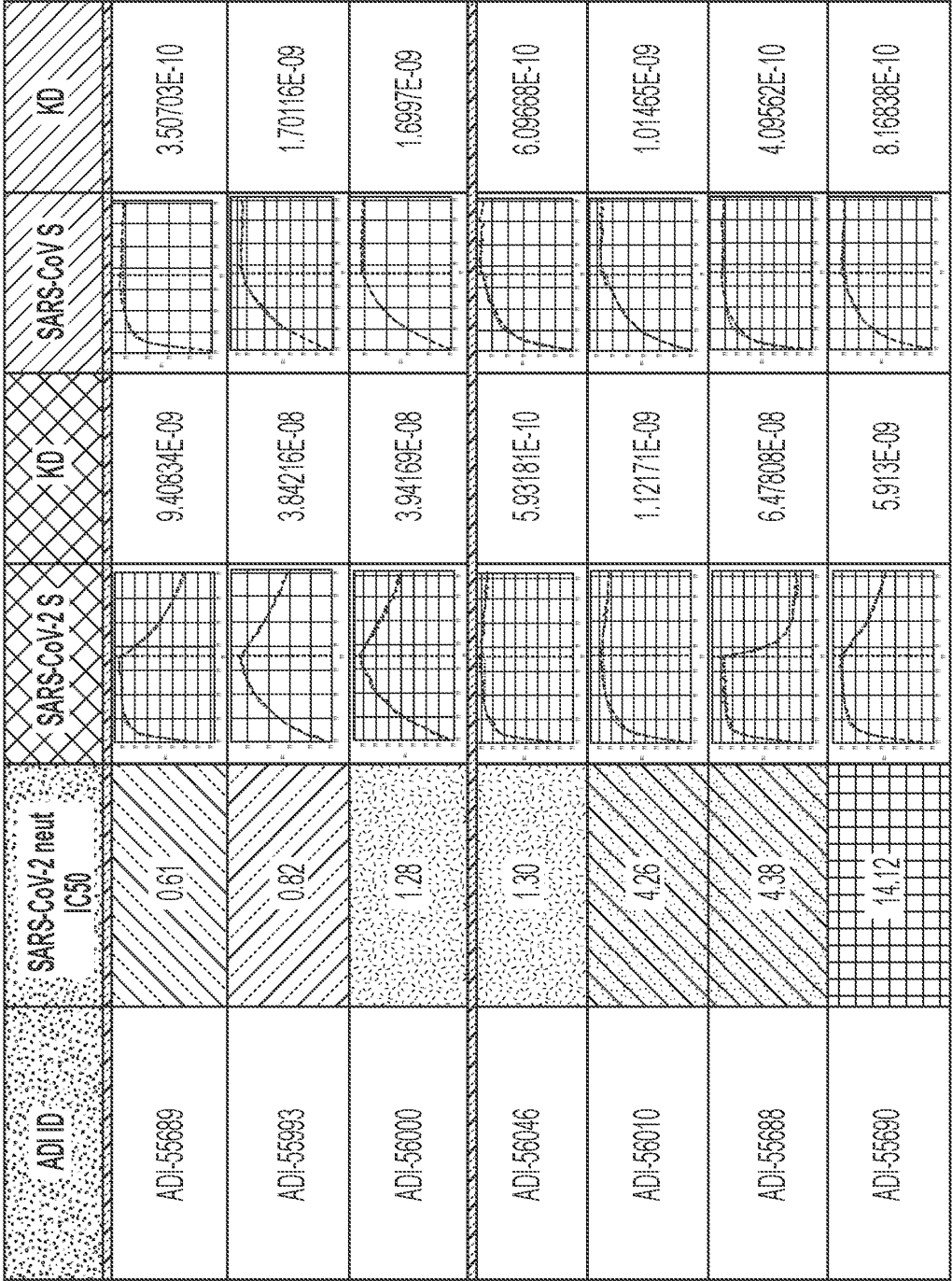


FIG. 26

ADI ID	VH. CDR3	Sequence_Reduced	ClusterId
ADI-55702	ARDPSIHYTGNHHWYDLDI	ARDPAINFAGNNNFFDIDI	1
ADI-55704	ARDPSIHYTGNHHWYDLDI	ARDPAINFAGNNNFFDIDI	1
ADI-55706	ARDPSIHYTGNHHWYDLDI	ARDPAINFAGNNNFFDIDI	1
ADI-55723	ARDPSILNTGNHHWYDLDI	ARDPAIINAGNNNFFDIDI	1
ADI-55725	ARDPTFLNSGNHFWYAVDI	ARDPAFINAGNNNFFFAIDI	1
ADI-55726	ARDPTFLNTGNHFWYAVDI	ARDPAFINAGNNNFFFAIDI	1
ADI-55728	ARDPSILNTGNHHWYDLDL	ARDPAIINAGNNNFFDIDI	1
ADI-55731	ARDPSFLNTGNHFWYDFDM	ARDPAFINAGNNNFFDFDI	1
ADI-55739	ARDPSILNTGNHHWYDLDM	ARDPAIINAGNNNFFDIDI	1
ADI-55741	ARDPSILNTGNHHWYDLDL	ARDPAIINAGNNNFFDIDI	1
ADI-55743	ARDPSILNTGNHHWYDLDM	ARDPAIINAGNNNFFDIDI	1
ADI-55745	ARDPSILNTGNHHWYDLDM	ARDPAIINAGNNNFFDIDI	1
ADI-55748	ARDPSILNTGNHHWYDLDM	ARDPAIINAGNNNFFDIDI	1
ADI-55700	VRDSDPYTATVTSNHYWYAMDV	IRDADPFAAAIAANNFFFAIDI	2
ADI-55705	VRDSDPYTATYRNNHYWYAMDV	IRDADPFAAAFRNNNFFFAIDI	2
ADI-55712	VRDSDPYTATVRNNHYWYALDV	IRDADPFAAAIRNNNFFFAIDI	2
ADI-55717	VRDSDPYTTTFSHNHYWYAMDV	IRDADPFAAAFANNNFFFAIDI	2
ADI-55736	VRDSDPYTTTFSHNHYWYAMDV	IRDADPFAAAFANNNFFFAIDI	2
ADI-55742	VRDSDPYTATSRNNHYWYGMDV	IRDADPFAAAARNNNFFFGIDI	2
ADI-55747	VRDSDPYTATSRNNHYWYGMDV	IRDADPFAAAARNNNFFFGIDI	2
ADI-55695	ARATPPGGTTGWPYIDL	ARAAPPGGAAGFPFIDI	3
ADI-55698	VRASPPGGNTGWPFED	IRAAPPGGNAGFPFFDD	3
ADI-55714	ARATPPGGGTGWPFDF	ARAAPPGGGAGFPFFDF	3
ADI-55688	ARDFSGHTAVAGTGFEY	ARDFAGNAAIAGAGFDF	4
ADI-55691	ARDFPGDTAVAGTGfNY	ARDFPGDAAIAGAGFNF	4
ADI-55693	ARDFPGDTAVAGTGfNY	ARDFPGDAAIAGAGFNF	4
ADI-55708	ARGSLSREYDFLTAPQNGPWFS	ARGAIARDFDIAAPNNGPFFDA	5
ADI-55709	ARGSLSREYDFLTAPQNGPWFS	ARGAIARDFDIAAPNNGPFFDA	5
ADI-55719	ARGSLSREYDFLTAPQNGPWFS	ARGAIARDFDIAAPNNGPFFDA	5

FIG. 27A

ADI ID	VH. CDR3	Sequence_Reduced	ClusterId
ADI-55696	ASEYFDGRSYHSFCGLDV	AADFFDGRAFNFIGIDI	6
ADI-55744	ASEYFDGRSYHSFCGLDV	AADFFDGRAFNFIGIDI	6
ADI-55701	AREEYSGTVHNFFGMDV	ARDDFAGAINNFFGIDI	7
ADI-55715	AREEPSGTYHNYYGLDV	ARDDPAGAFNNFFGIDI	7
ADI-55738	ARDNVVQQNADNVGYDF	ARDNIINNADNIGFFDF	8
ADI-55740	ARDNVVQQNADNVGYDF	ARDNIINNADNIGFFDF	8
ADI-55711	AKCDLVRYFDWLGEENNWFDP	ARIDIIRFFDFIGDDNNFFDP	9
ADI-55720	AKCDLVRYFDWLGEENNWFDP	ARIDIIRFFDFIGDDNNFFDP	9
ADI-55710	ARVGWVRYFDWSKPYYYFDL	ARIGFIRFFDFARPFFFFDI	10
ADI-55713	ARVGWVRYFDWSKPYYYFDL	ARIGFIRFFDFARPFFFFDI	10
ADI-55722	ARMGPYGSSEFDY	ARIGPFGACAFDF	11
ADI-55752	ARMGPYGSSEFDY	ARIGPFGACAFDF	11
ADI-55721	VLDTTSANPHNWWYGMV	IIDAAAANPNFFGIDI	12
ADI-55729	WDTTMADPHNWWYGLDV	IIDAAIADPNFFGIDI	12
ADI-55724	VRDGAYDSSGYYSTQ	IRDGAFDAAGFFAAN	13
ADI-55732	VRDGAYDSSGYYSTQ	IRDGAFDAAGFFAAN	13
ADI-55716	AARIRGATHYDFWSGFWAGPFDI	AARIRGAANFDFAGFFAGPFDI	14
ADI-55690	AGRHQELLPMGSFDM	AGRNNDIIPICAFDI	15
ADI-55757	AHTSELPPRRPYAAFD	ANADIPRRPFAAFD	16
ADI-55758	ANTNFLDY	ANANFIDF	17
ADI-55718	ARTQSNDFWSGYTAAFDL	ARANANDFFAGFFAAAFDI	18
ADI-55703	ARAKGGSYSNAFDY	ARARGGAFANAFDF	19
ADI-55727	ARDFGVRYDDSRQLMKYCDS	ARDFGIRFDDARNIRFIDA	20

FIG. 27B

ADI ID	VH. CDR3	Sequence Reduced	ClusterId
ADI-55692	AREGTSLGYYYYYAMDV	ARDGAAIGFFFFAIDI	21
ADI-55735	ARDLPPLDY	ARDIPPIDF	22
ADI-55733	SRDLRRGYDSNGHQFDL	ARDIRRGFFDANGNNNFDI	23
ADI-55753	ARDHALQNGRPGYFDS	ARDNAINNGRPGFFDA	24
ADI-55734	ARDPGPITFFDWSPDKSRKSYDYNGMDV	ARDPGPIAFFDFAPDRARRAFFDFNGIDI	25
ADI-55750	AKERDLPGRGGYFDH	ARDRDIPGRGGFFDN	26
ADI-55694	AREKKSFGPQYYYGSGED	ARDRRAFGPNFFFGAGDD	27
ADI-55751	ARGYTAPIREVPIFRPRWFDP	ARGFAAPIIRDIPIAFRPRFFDP	28
ADI-55707	ARGQESPIVGVTGRWFDP	ARGNDAPIIGIAGRFFDP	29
ADI-55746	ARGPIRHFLDAFDI	ARGPIRNFGIDAFDI	30
ADI-55730	ARVRVGASHHNFWSGYTDAFDI	ARIRIGAANNFFAGFFADAFDI	31
ADI-55699	AKKGSPYCGVDCYKGYFDY	ARRGAPFIGIDIFRGFFDF	32
ADI-55697	ARRGNNFGYYYYYTVDV	ARRGNNFGFFFFFAIDI	33
ADI-55756	VRDTDWAFDS	IRDADFAFDA	34
ADI-55689	VKDGGYYDSSGPGH	IRDGGFFDAAGPGN	35
ADI-55754	VREGQQWLGLYFDH	IRDGNNFIGIFFDN	36
ADI-55749	VKDLGATVTYDVFDV	IRDIGAAIAFDIFI	37
ADI-55737	VKDNVILPGAIVRPQFDY	IRDNIIPGAIIRPNFDF	38
ADI-55755	VRQRYCSGGSCFLFEDAFEI	IRNRFIAGGAIFIFDDAFDI	39

FIG. 27C

Cluster 1:

A	R	D	P	S	I	H	Y	T	G	N	H	H	W	Y	D	L	D	I
A	R	D	P	S	I	H	Y	T	G	N	H	H	W	Y	D	L	D	I
A	R	D	P	S	I	H	Y	T	G	N	H	H	W	Y	D	L	D	I
A	R	D	P	S	I	L	N	T	G	N	H	H	W	Y	D	L	D	I
A	R	D	P	T	F	L	N	T	G	N	H	F	W	Y	A	V	D	I
A	R	D	P	T	F	L	N	T	G	N	H	F	W	Y	A	V	D	I
A	R	D	P	S	I	L	N	T	G	N	H	H	W	Y	D	L	D	L
A	R	D	P	S	F	L	N	T	G	N	H	F	W	Y	D	F	D	M
A	R	D	P	S	I	L	N	T	G	N	H	H	W	Y	D	L	D	M
A	R	D	P	S	I	L	N	T	G	N	H	H	W	Y	D	L	D	L
A	R	D	P	S	I	L	N	T	G	N	H	H	W	Y	D	L	D	M
A	R	D	P	S	I	L	N	T	G	N	H	H	W	Y	D	L	D	M
A	R	D	P	S	I	L	N	T	G	N	H	H	W	Y	D	L	D	M

Cluster 2:

V	R	D	S	D	P	Y	T	A	T	V	T	S	N	H	Y	W	Y	A	M	D	V
V	R	D	S	D	P	Y	T	A	T	Y	R	N	N	H	Y	W	Y	A	M	D	V
V	R	D	S	D	P	Y	T	A	T	V	R	N	N	H	Y	W	Y	A	L	D	V
V	R	D	S	D	P	Y	T	T	T	F	S	H	N	H	Y	W	Y	A	M	D	V
V	R	D	S	D	P	Y	T	T	T	F	S	H	N	H	Y	W	Y	A	M	D	V
V	R	D	S	D	P	Y	T	A	T	S	R	N	N	H	Y	W	Y	A	M	D	V
V	R	D	S	D	P	Y	T	A	T	S	R	N	N	H	Y	W	Y	A	M	D	V

FIG. 28A

Cluster 3:

A	R	A	T	P	P	G	G	T	T	G	-W-	P	-Y-	I	D	L
V	R	A	S	P	P	G	G	N	T	G	-W-	P	-F-	F	E	D
A	R	A	T	P	P	G	G	G	T	G	-W-	P	-Y-	F	D	F

Cluster 4:

A	R	D	F	S	G	-H-	T	A	V	A	G	T	G	F	E	Y
A	R	D	F	P	G	D	T	A	V	A	G	T	G	F	N	Y
A	R	D	F	P	G	D	T	A	V	A	G	T	G	F	N	Y

Cluster 5:

A	R	G	S	L	S	R	E	-Y-	D	-F-	L	T	A	P	Q	N	G	P	-W-	F	D	S
A	R	G	S	L	S	R	E	-Y-	D	-F-	L	T	A	P	Q	N	G	P	-W-	F	D	S
A	R	G	S	L	S	R	E	-Y-	D	-F-	L	T	A	P	Q	N	G	P	-W-	F	D	S

FIG. 28B

ADI ID	VH Amino Acid Changes by Affinity Maturation	VL Amino Acid Changes by Affinity Maturation
ADI-57983 (with primer mutation)	TYT to KYT in CDR2	IAH to ILH in CDR1; SSR to SRR in CDR2; RSN to RAN in CDR3
ADI-57978 (with primer mutation)	SSDGVN to SEDGYS in CDR2; AVA to AWA in CDR3	RPS to RNS in CDR2; LYV to LYT in CDR3
ADI-56868 (with primer mutation)	FSG to FKG in CDR1; RSY to RTY in CDR3	None
ADI-56443 (with primer mutation)		
ADI-56479 (with primer mutation)		

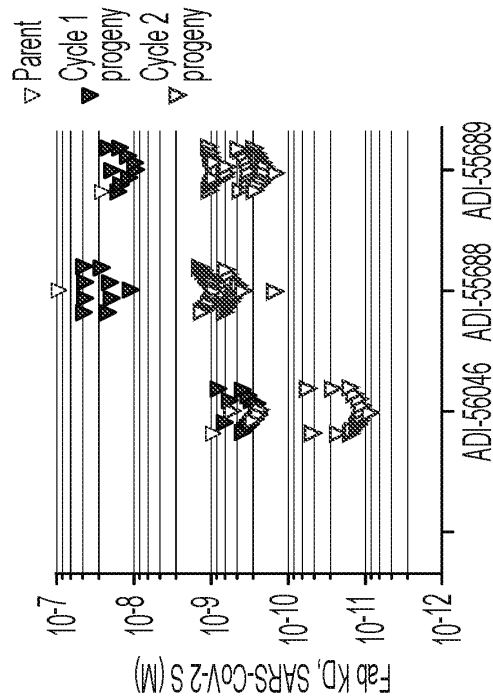


FIG. 30A

FIG. 29

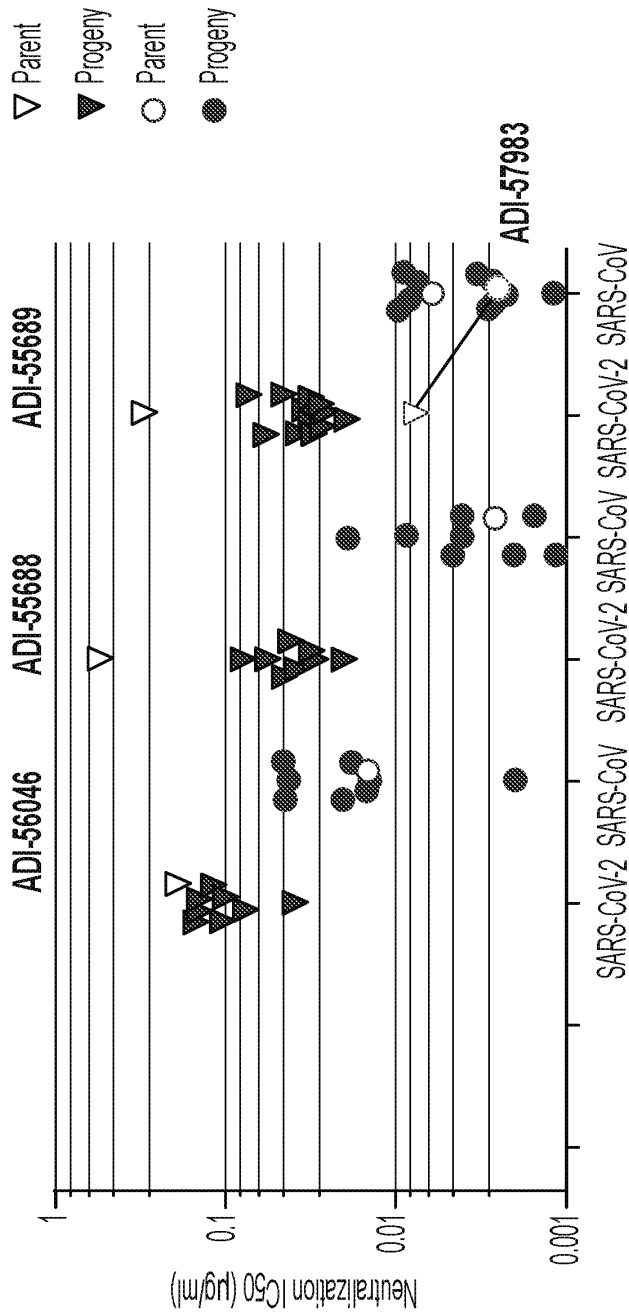


FIG. 30B

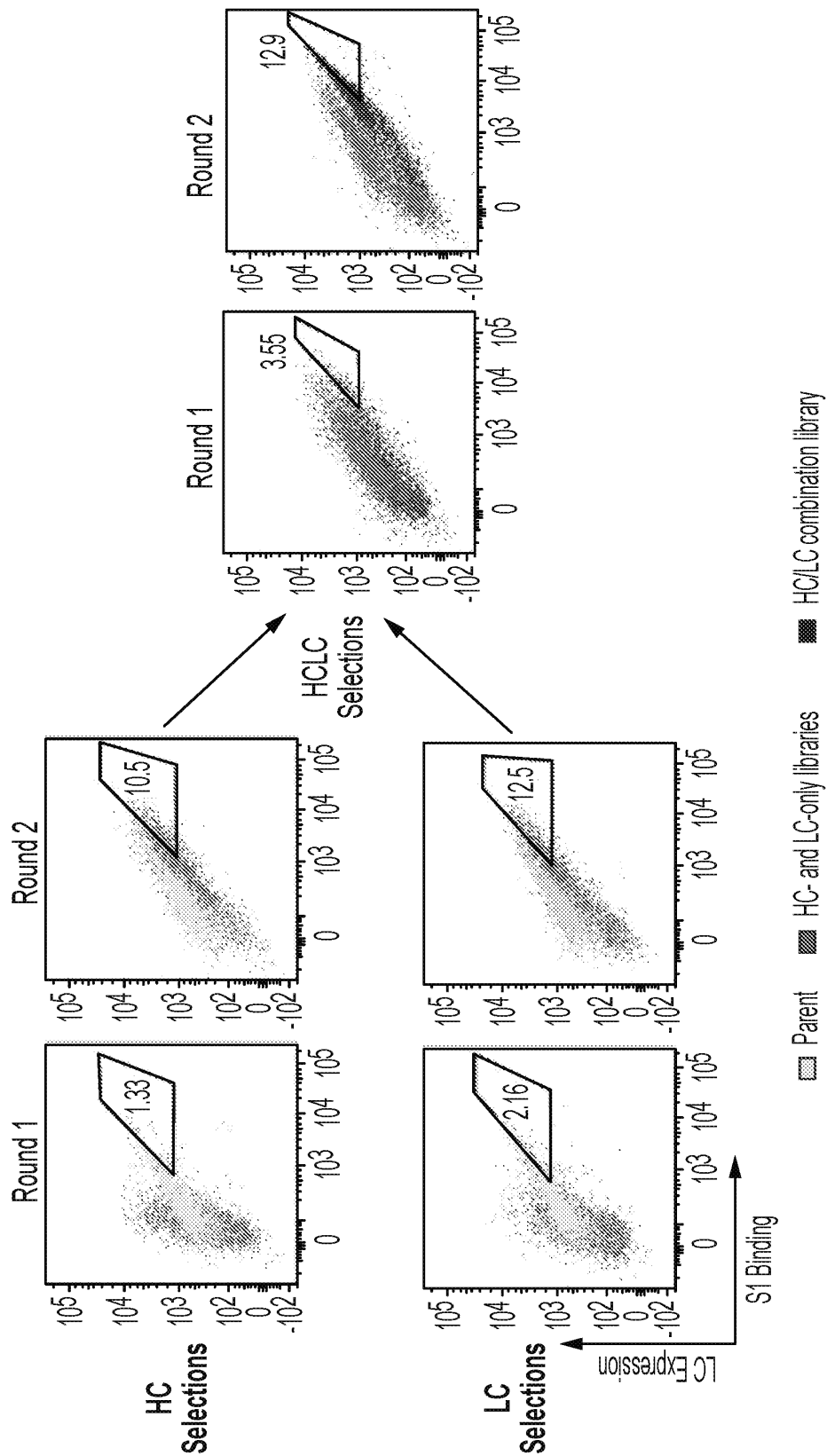


FIG. 30C

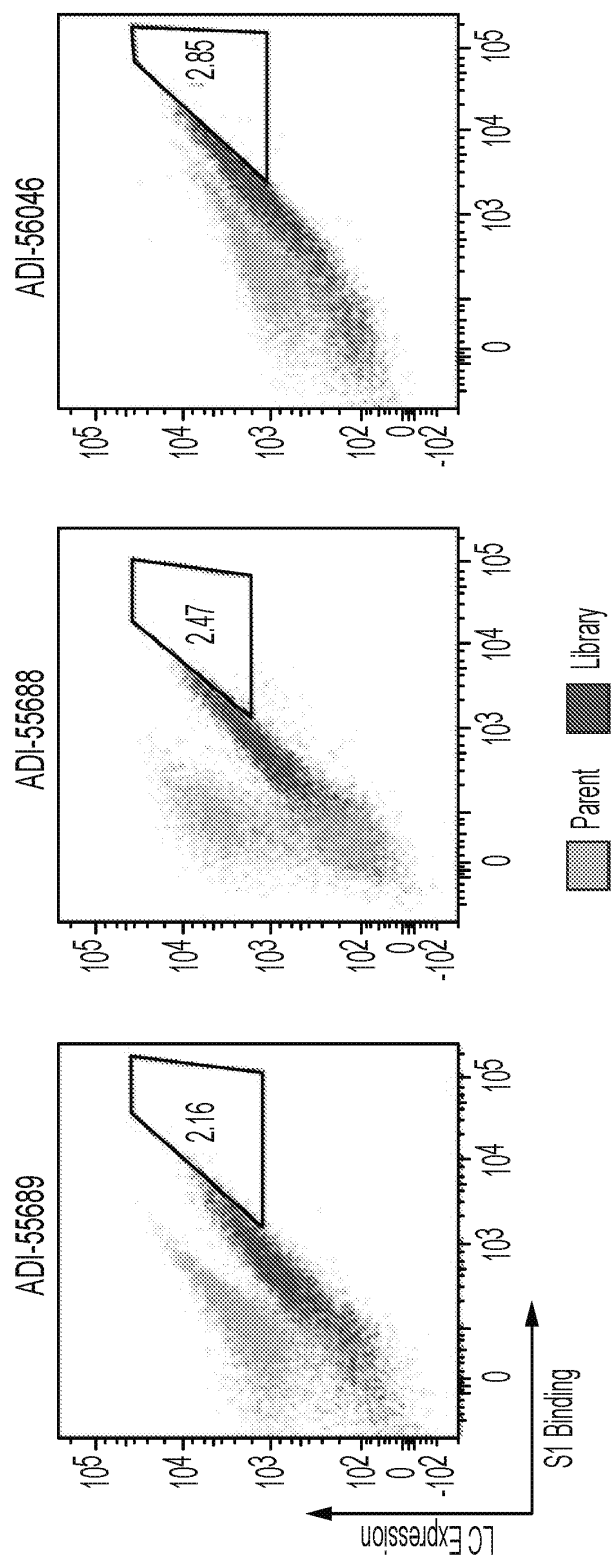


FIG. 30D

ADI ID	Donor	B cell phenotype	Epitope	Lineage (ADI name before affinity maturation, if applicable)	Authentic SARS-CoV-2 neutralization IC50 (ug/ml)	Authentic SARS-CoV neutralization IC50 (ug/ml)	Pseudo SARS-CoV-2 MLV neutralization IC50 (ug/ml)	Pseudo SARS-CoV MLV neutralization IC50 (ug/ml)
ADI-57983 (with primer mutation)	SARS-CoV (17 years post infection)	IgG+	RBD; ACE2 competitor	ADI-55689	0.007	0.0025	0.007	0.0025
ADI-57978 (with primer mutation)	SARS-CoV (17 years post infection)	IgG+	RBD; ACE2 competitor	ADI-55688	0.020	0.0020	0.020	0.0020
ADI-56868 (with primer mutation)	SARS-CoV (17 years post infection)	IgG+	RBD; ACE2 competitor	ADI-56046	0.039	0.042	0.039	0.042
ADI-56443 (with primer mutation)	SARS-CoV2 (23 days post diagnosis)	IgG+ CD71- CD27+	RBD; ACE2 competitor (non-competing with ADI-57983, ADI-57978, or ADI-56868)	N/A	0.034	Unlikely	N/A	Unlikely
ADI-56479 (with primer mutation)	SARS-CoV2 (26 days post diagnosis)	IgG+ CD71+ CD27-	NTD	N/A	0.07	Unlikely	N/A	Unlikely

FIG. 31A

ADI ID	Fab pI	Parent Fab (Pre-affinity maturation) pI	PSR	HIC	T _m
ADI-57983 (with primer mutation)	9.4	9.3	0	9.61	64.5
ADI-57978 (with primer mutation)	8.5	8.8	0	10.125	67
ADI-56868 (with primer mutation)	9.1	8.9	0	8.825	67.5
ADI-56443 (with primer mutation)	8.9	na	0	9.917	69.5
ADI-56479 (with primer mutation)	8.3	na	0.05	14.319	in progress

FIG. 31B

ADI ID	SARS-CoV-2 S binder?	SARS-CoV-2 RBD binder?	SARS-CoV-2 NTD binder?	Competes with hACE2?	Competes with CR3022?
ADI-56443 (with primer mutation)	x	Yes		Yes	No
ADI-56479 (with primer mutation)	x		Yes	N/A	N/A

FIG. 32A

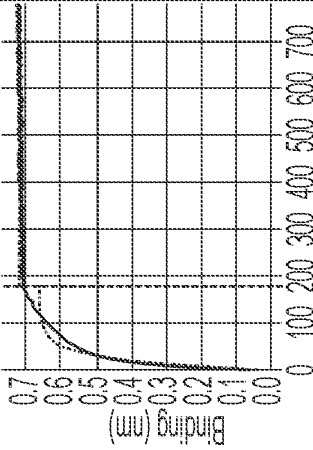
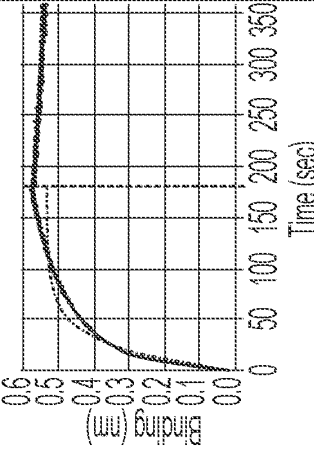
AD1 ID	ForteBio Kinetics Image	SARS-CoV-2 S Fitting Score	SARS-CoV-2 S KD	SARS-CoV-2 S kon	SARS-CoV-2 S koff	SARS-CoV-2 S Response
AD1-56443 (with primer mutation)		B	1.34756E-10	445250.5759	0.00006	0.706
AD1-56479 (with primer mutation)		B	4.7411E-10	421842.9901	0.0002	0.574

FIG. 32B

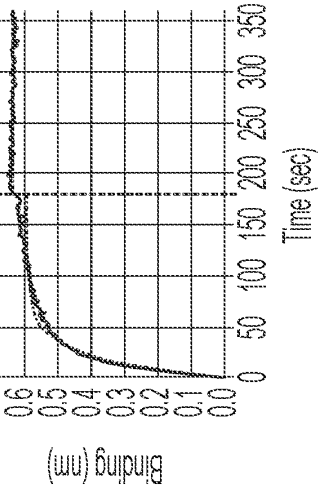
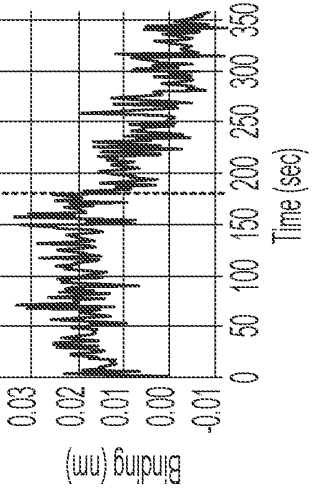
ADI ID	Avid ForteBio Kinetics Image	Avid SARS-CoV-2 RBD Fitting Score	Avid SARS-CoV-2 RBD KD	Avid SARS-CoV-2 RBD kon	Avid SARS-CoV-2 RBD koff	Avid SARS-CoV-2 RBD Response
ADI-56443 (with primer mutation)		B	3.9867E-10	501665.0585	0.0002	0.627
ADI-56479 (with primer mutation)		D	N.B.			0.025

FIG. 32C

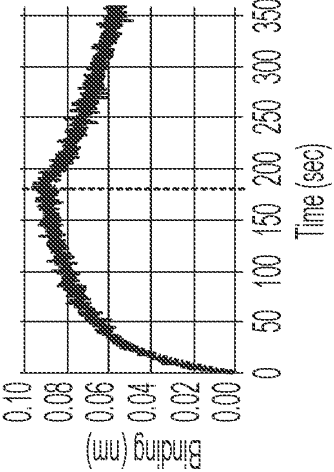
ADI ID	ForteBio Kinetics Image	SARS-CoV-2 NTD Fitting Score	SARS-CoV-2 NTD KD	SARS-CoV-2 NTD kon	SARS-CoV-2 NTD koff	SARS-CoV-2 NTD Response
ADI-56443 (with primer mutation)						
ADI-56479 (with primer mutation)		B	8.22048E-09	290271.3566	0.002386169	0.089

FIG. 32D

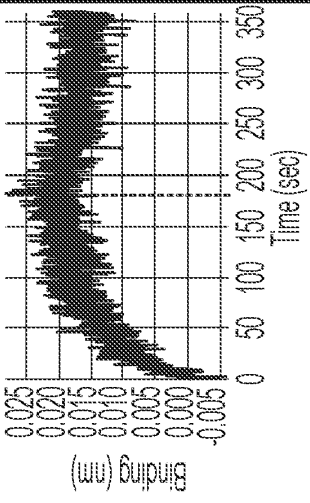
ADI ID	ForteBio Kinetics Image	SARS-CoV-2 S1 Fitting Score	SARS-CoV-2 S1 KD	SARS-CoV-2 S1 kon	SARS-CoV-2 S1 koff	SARS-CoV-2 S1 Response
ADI-56443 (with primer mutation)						
ADI-56479 (with primer mutation)		D	N.B.			0.021

FIG. 32E

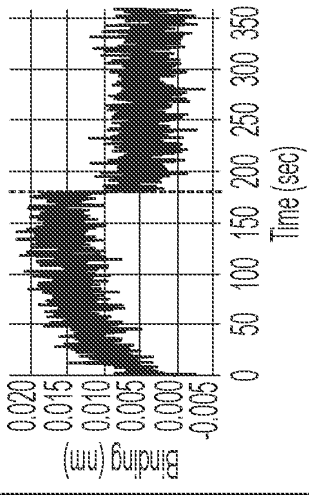
ADI ID	ForteBio Kinetics Image	SARS-CoV-2 S2 Fitting Score	SARS-CoV-2 S2 KD	SARS-CoV-2 S2 kon	SARS-CoV-2 S2 koff	SARS-CoV-2 S2 Response
ADI-56443 (with primer mutation)						
ADI-56479 (with primer mutation)		D	N.B.			0.014

FIG. 32F

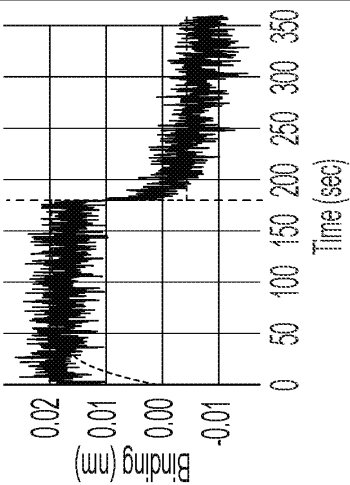
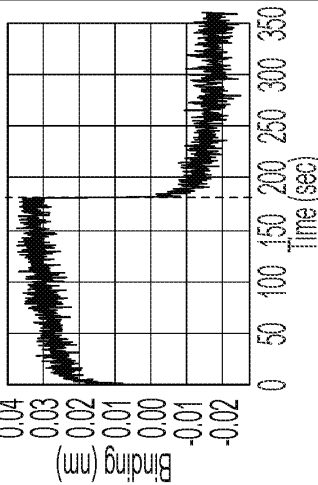
ADI ID	Forte Bio Kinetics Image	HKU1 S- Fitting Score	HKU1 S- KD	HKU1 S- kon	HKU1 S- koff	HKU1 S- Response
ADI-56443 (with primer mutation)		D	N.B.			0.017
ADI-56479 (with primer mutation)		D	N.B.			0.005

FIG. 32G

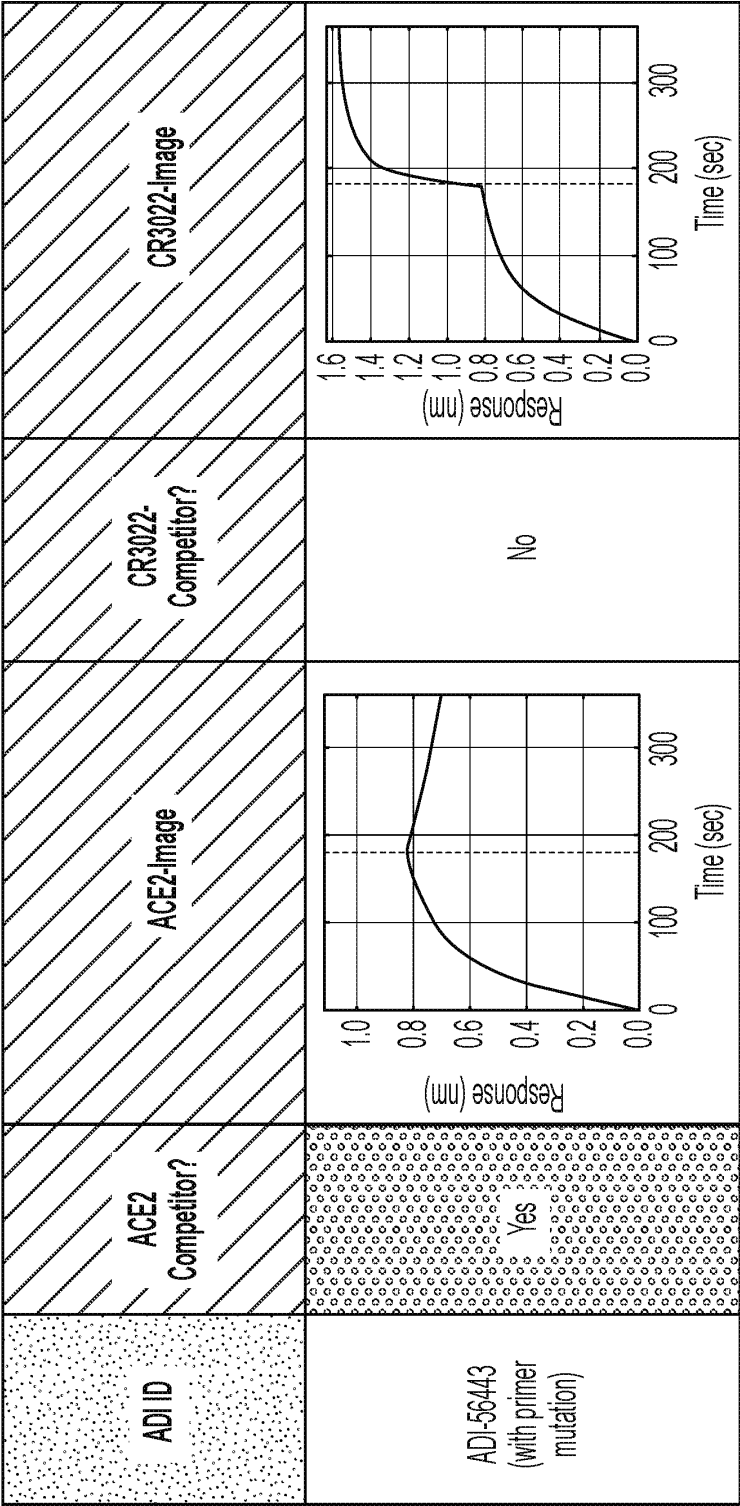


FIG. 32H

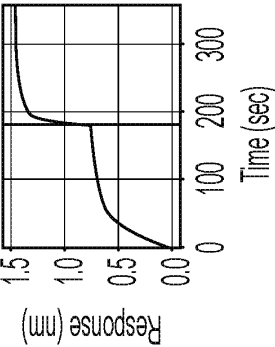
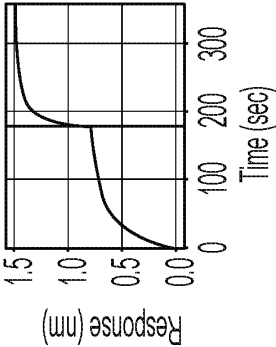
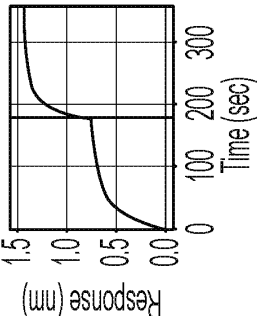
Test Antibody ADI ID	Comparison Antibody ADI ID	Compete?	Image
ADI-56443 (with primer mutation)	ADI-56046	No	
ADI-56443 (with primer mutation)	ADI-55689	No	
ADI-56443 (with primer mutation)	ADI-55688	No	

FIG. 32I

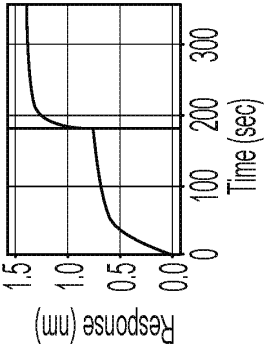
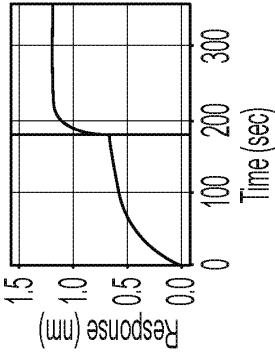
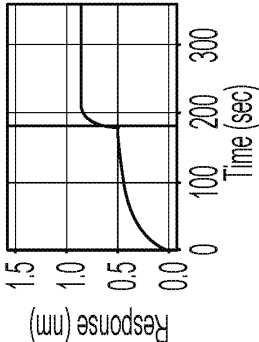
Test Antibody ADI ID	Comparison Antibody ADI ID	Compete?	Image
ADI-56046	ADI-56443 (with primer mutation)	No	
ADI-55689	ADI-56443 (with primer mutation)	No	
ADI-55688	ADI-56443 (with primer mutation)	No	

FIG. 32J

ADI ID	%rVSV-SARS-CoV-2 neutralization at 25nM	rVSV-SARS-CoV-2 neutralization IC50 (nM)	% Authentic SARS-CoV-2 neutralization at 100nM	Authentic SARS-CoV-2 neutralization IC50 (nM)	Authentic SARS-CoV-2 neutralization IC50 (ug/mL)	Authentic/rVSV (IC50 (nM) fold difference)
ADI-56443 (with primer mutation)	99.65	0.02	99.88	0.22	0.03	11.34
ADI-56479 (with primer mutation)	81.24	4.66	99.31	0.47	0.07	0.10

FIG. 33

ADI ID	ADI ID before fixing primer mutation(s)	Reversion back to germline-encoded sequence
ADI-58120	ADI-57983 (with primer mutation)	QV to EV in VH FR1
ADI-58124	ADI-57978 (with primer mutation)	QP to QS in VL FR1
ADI-58126	ADI-56868 (with primer mutation)	M to T in VH FR4; QP to QS in VL FR1
ADI-58128	ADI-56443 (with primer mutation)	EVQLLE to QVQLVQ in VH FR1
ADI-58130	ADI-56479 (with primer mutation)	L to V in VH FR1

FIG. 34

ADI ID	ADI ID before fixing: primer mutation(s)	VH Germline	VH Amino Acid Substitutions relative to germline-encoded	VH Nucleotide Substitutions relative to germline	VL Germline	VL Amino Acid Substitutions relative to germline- encoded	VL Nucleotide Substitutions relative to germline
ADI-58120	ADI-57983 (with primer mutation)	IGHV3-64D	12	16	IGKV3-11	10	15
ADI-58124	ADI-57978 (with primer mutation)	IGHV3-21	11	17	IGLV1-40	4	6
ADI-58126	ADI-58868 (with primer mutation)	IGHV3-53	11	14	IGLV1-44	3	3
ADI-58128	ADI-58443 (with primer mutation)	IGHV1-69	3	4	IGKV1-33	0	0
ADI-58130	ADI-58479 (with primer mutation)	IGHV3-9	1	2	IGKV2D-28	0	0

FIG. 35

ADI ID	Variable region same as	Fc Variant Name (if applicable)	HC Protein SEQ ID NO:	VH Protein SEQ ID NO:	VH FR1 Protein SEQ ID NO:	VH CDR1 Protein SEQ ID NO:	VH FR2 Protein SEQ ID NO:	VH CDR2 Protein SEQ ID NO:	VH FR3 Protein SEQ ID NO:	VH CDR3 Protein SEQ ID NO:	VH FR4 Protein SEQ ID NO:	VH DNA SEQ ID NO:
ADI-57983 (with primer mutation)				21202	21203	21204	21205	21206	21207	21208	21209	21210
ADI-57978 (with primer mutation)				21302	21303	21304	21305	21306	21307	21308	21309	21310
ADI-56868 (with primer mutation)				21402	21403	21404	21405	21406	21407	21408	21409	21410
ADI-56443 (with primer mutation)				21502	21503	21504	21505	21506	21507	21508	21509	21510
ADI-56479 (with primer mutation)				21602	21603	21604	21605	21606	21607	21608	21609	21610

FIG. 36A

ADI-58120	ADI-58120	WT	21701	21702	21703	21704	21705	21706	21707	21708	21709	21710
ADI-58121	ADI-58120	YTE	21801	21802	21803	21804	21805	21806	21807	21808	21809	21810
ADI-58122	ADI-58120	LA	21901	21902	21903	21904	21905	21906	21907	21908	21909	21910
ADI-58123	ADI-58120	LS	22001	22002	22003	22004	22005	22006	22007	22008	22009	22010
Not assigned	ADI-58120	LA-RE	22101	22102	22103	22104	22105	22106	22107	22108	22109	22110
ADI-58124	ADI-58124	WT	22201	22202	22203	22204	22205	22206	22207	22208	22209	22210
ADI-58125	ADI-58124	LA	22301	22302	22303	22304	22305	22306	22307	22308	22309	22310
ADI-58126	ADI-58126	WT	22401	22402	22403	22404	22405	22406	22407	22408	22409	22410
ADI-58127	ADI-58126	LA	22501	22502	22503	22504	22505	22506	22507	22508	22509	22510
ADI-58128	ADI-58128	WT	22601	22602	22603	22604	22605	22606	22607	22608	22609	22610
ADI-58130	ADI-58130	WT	22701	22702	22703	22704	22705	22706	22707	22708	22709	22710
ADI-58129	ADI-58128	LA	22801	22802	22803	22804	22805	22806	22807	22808	22809	22810
ADI-58131	ADI-58130	LA	22901	22902	22903	22904	22905	22906	22907	22908	22909	22910
ADI-58130_LCN30cQ	ADI-58130_LCN30cQ	WT	23001	23002	23003	23004	23005	23006	23007	23008	23009	23010
ADI-59988	ADI-58130_LCN30cQ	LA	23101	23102	23103	23104	23105	23106	23107	23108	23109	23110

FIG. 36A CONTINUED

AD ID	Variable region same as	Fc Variant Name (if applicable)	LC Protein SEQ ID NO.	VL Protein SEQ ID NO.	VL FR1 Protein SEQ ID NO.	VL CDR1 Protein SEQ ID NO.	VL FR2 Protein SEQ ID NO.	VL CDR2 Protein SEQ ID NO.	VL FR3 Protein SEQ ID NO.	VL CDR3 Protein SEQ ID NO.	VL FR4 Protein SEQ ID NO.	VL DNA SEQ ID NO.
ADI-57983 (with primer mutation)				21212	21213	21214	21215	21216	21217	21218	21219	21220
ADI-57978 (with primer mutation)				21312	21313	21314	21315	21316	21317	21318	21319	21320
ADI-56868 (with primer mutation)				21412	21413	21414	21415	21416	21417	21418	21419	21420
ADI-56443 (with primer mutation)				21512	21513	21514	21515	21516	21517	21518	21519	21520
ADI-56479 (with primer mutation)				21612	21613	21614	21615	21616	21617	21618	21619	21620

FIG. 36B

ADI-58120	ADI-58120	WT	21711	21712	21713	21714	21715	21716	21717	21718	21719	21720
ADI-58121	ADI-58120	YTE	21811	21812	21813	21814	21815	21816	21817	21818	21819	21820
ADI-58122	ADI-58120	LA	21911	21912	21913	21914	21915	21916	21917	21918	21919	21920
ADI-58123	ADI-58120	LS	22011	22012	22013	22014	22015	22016	22017	22018	22019	22020
Not assigned	ADI-58120	LA-RE	22111	22112	22113	22114	22115	22116	22117	22118	22119	22120
ADI-58124	ADI-58124	WT	22211	22212	22213	22214	22215	22216	22217	22218	22219	22220
ADI-58125	ADI-58124	LA	22311	22312	22313	22314	22315	22316	22317	22318	22319	22320
ADI-58126	ADI-58126	WT	22411	22412	22413	22414	22415	22416	22417	22418	22419	22420
ADI-58127	ADI-58126	LA	22511	22512	22513	22514	22515	22516	22517	22518	22519	22520
ADI-58128	ADI-58128	WT	22611	22612	22613	22614	22615	22616	22617	22618	22619	22620
ADI-58130	ADI-58130	WT	22711	22712	22713	22714	22715	22716	22717	22718	22719	22720
ADI-58129	ADI-58128	LA	22811	22812	22813	22814	22815	22816	22817	22818	22819	22820
ADI-58131	ADI-58130	LA	22911	22912	22913	22914	22915	22916	22917	22918	22919	22920
ADI-58130_LCN30cQ	ADI-58130_LCN30cQ	WT	23011	23012	23013	23014	23015	23016	23017	23018	23019	23020
ADI-59988	ADI-58130_LCN30cQ	LA	23111	23112	23113	23114	23115	23116	23117	23118	23119	23120

FIG. 36B CONTINUED

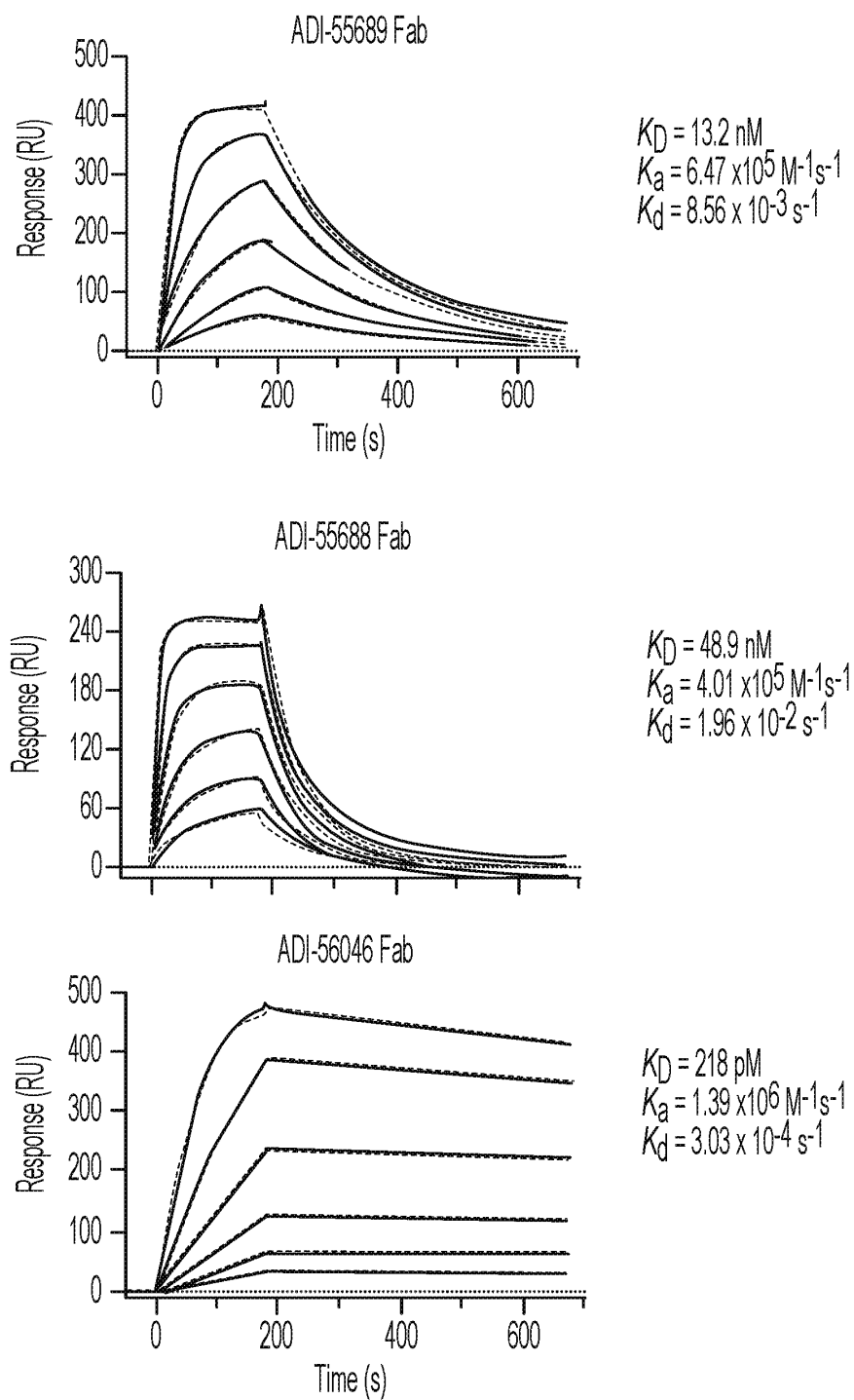


FIG. 37A

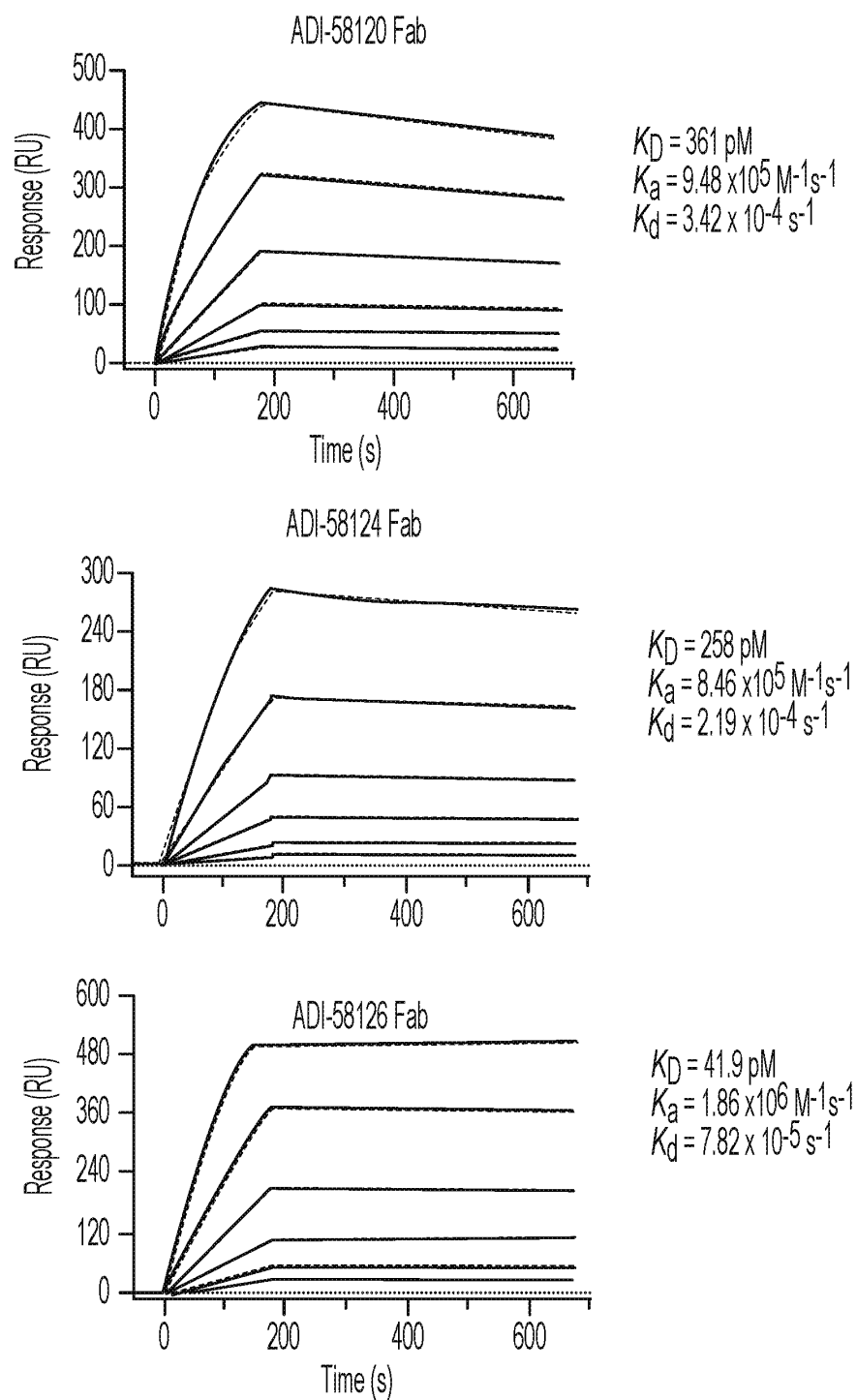


FIG. 37A CONTINUED

Test Antigen	ADI-58125	K _a (1/Ms)	K _d (1/s)	K _D (M)
SARS-CoV - 2 spike	IgG	3.66E+06	4.94E-05	1.35E-11
SARS-CoV - 2 spike	Fab	1.52E+06	2.81E-04	1.85E-10
SARS-CoV - 2 RBD	IgG	1.53E+06	8.79E-05	5.74E-11
SARS-CoV - 2 RBD	Fab	1.20E+06	3.55E-04	2.97E-10
SARS-CoV - 1 spike*	IgG	2.70E+06	1.42E-05	5.28E-12
SARS-CoV - 1 spike	Fab	6.83E+06	5.60E-05	8.19E-12
SARS-CoV - 1 RBD*	IgG	9.74E+05	1.42E-05	1.46E-11
SARS-CoV - 1 RBD*	Fab	1.14E+06	2.85E-05	2.49E-11
WIV - 1 RBD*	IgG	1.10E+06	1.42E-05	1.29E-11
WIV - 1 RBD*	Fab	9.91E+05	2.85E-05	2.87E-11

FIG. 37C

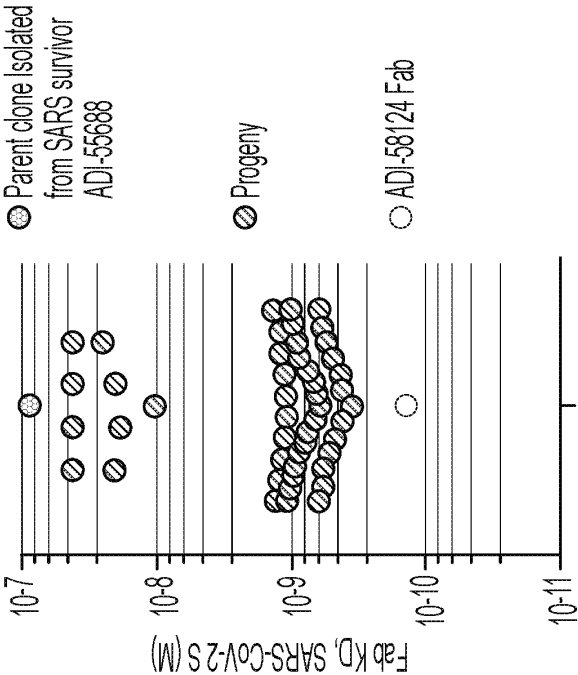


FIG. 37B

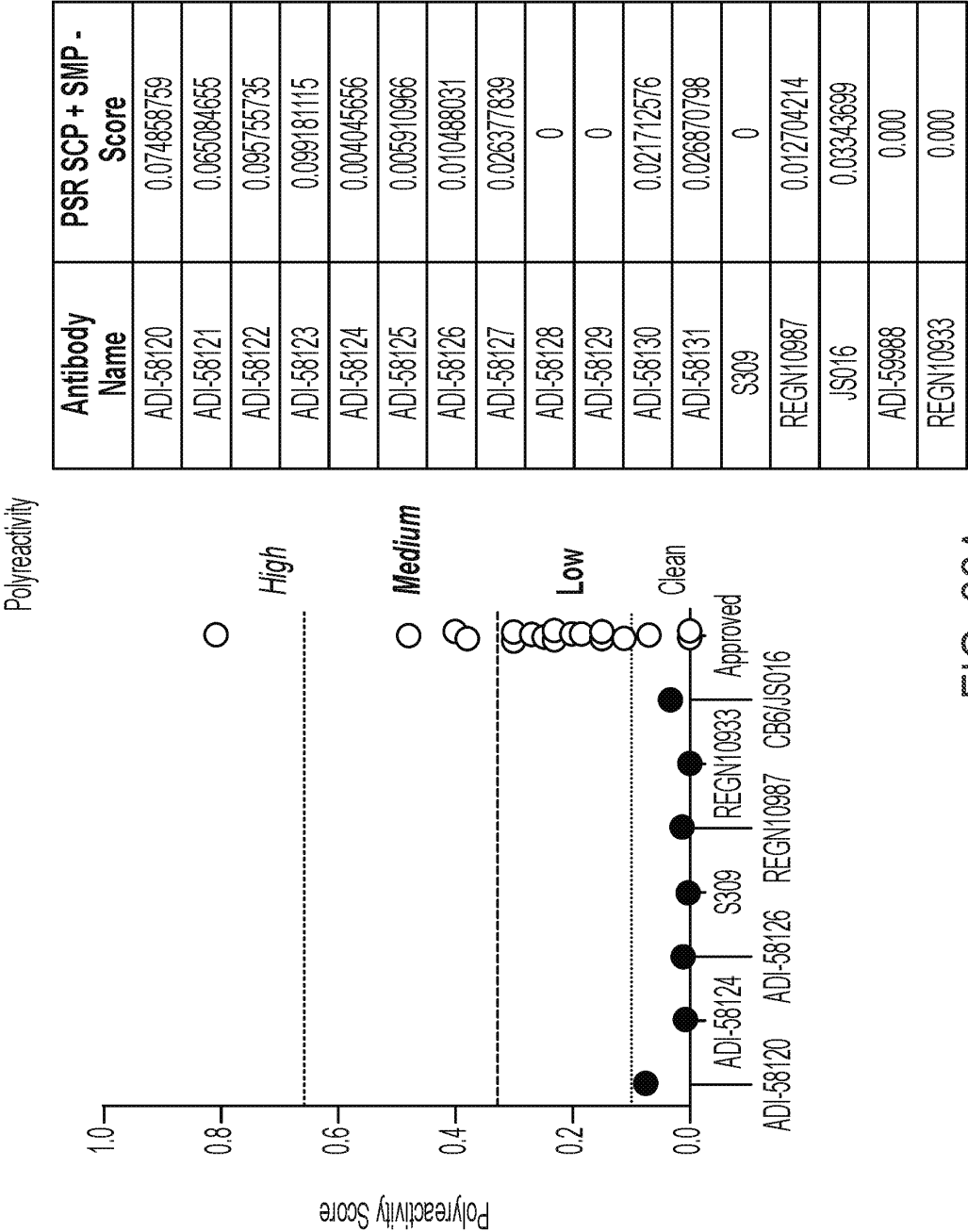


FIG. 38A

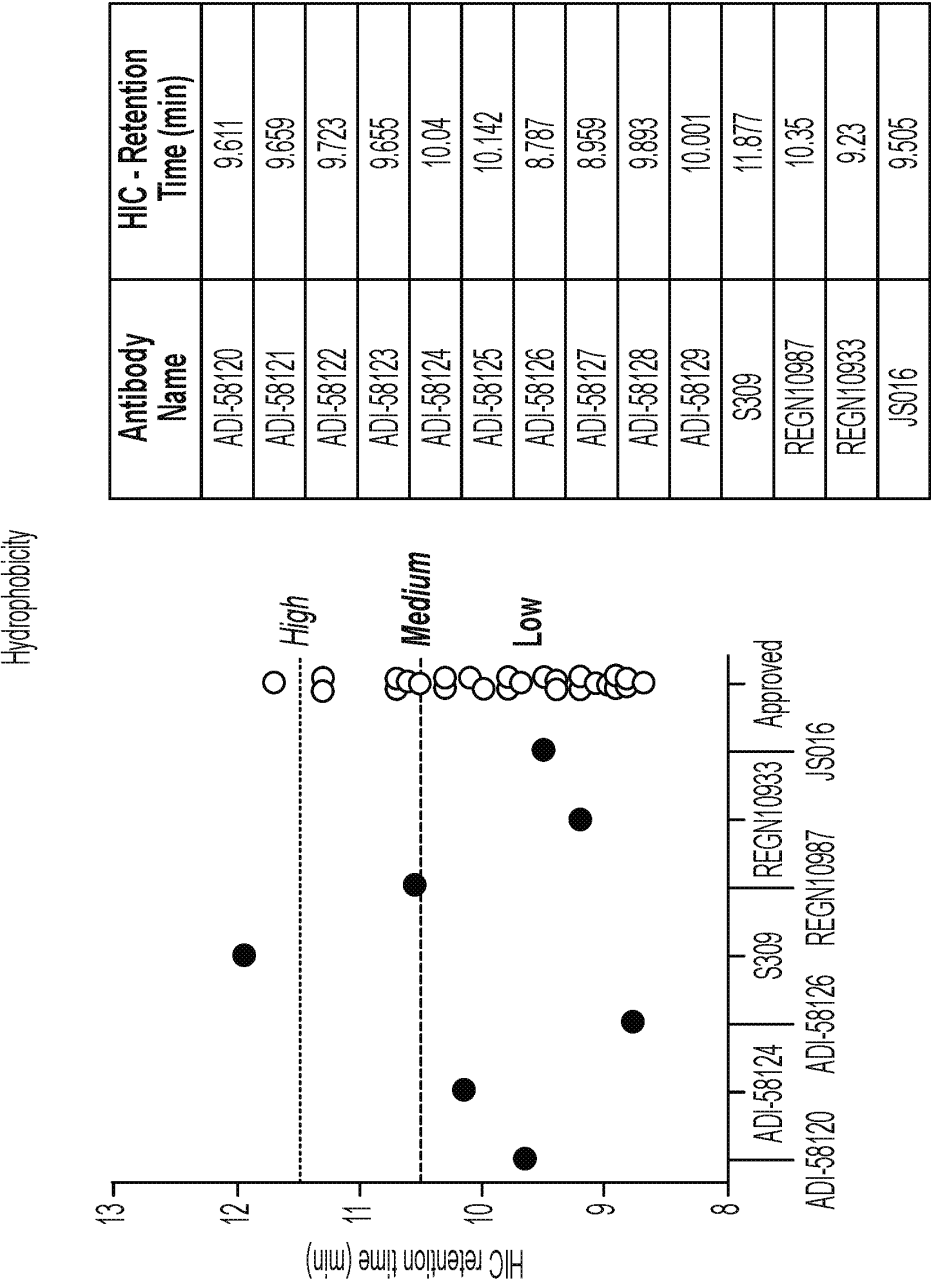


FIG. 38B

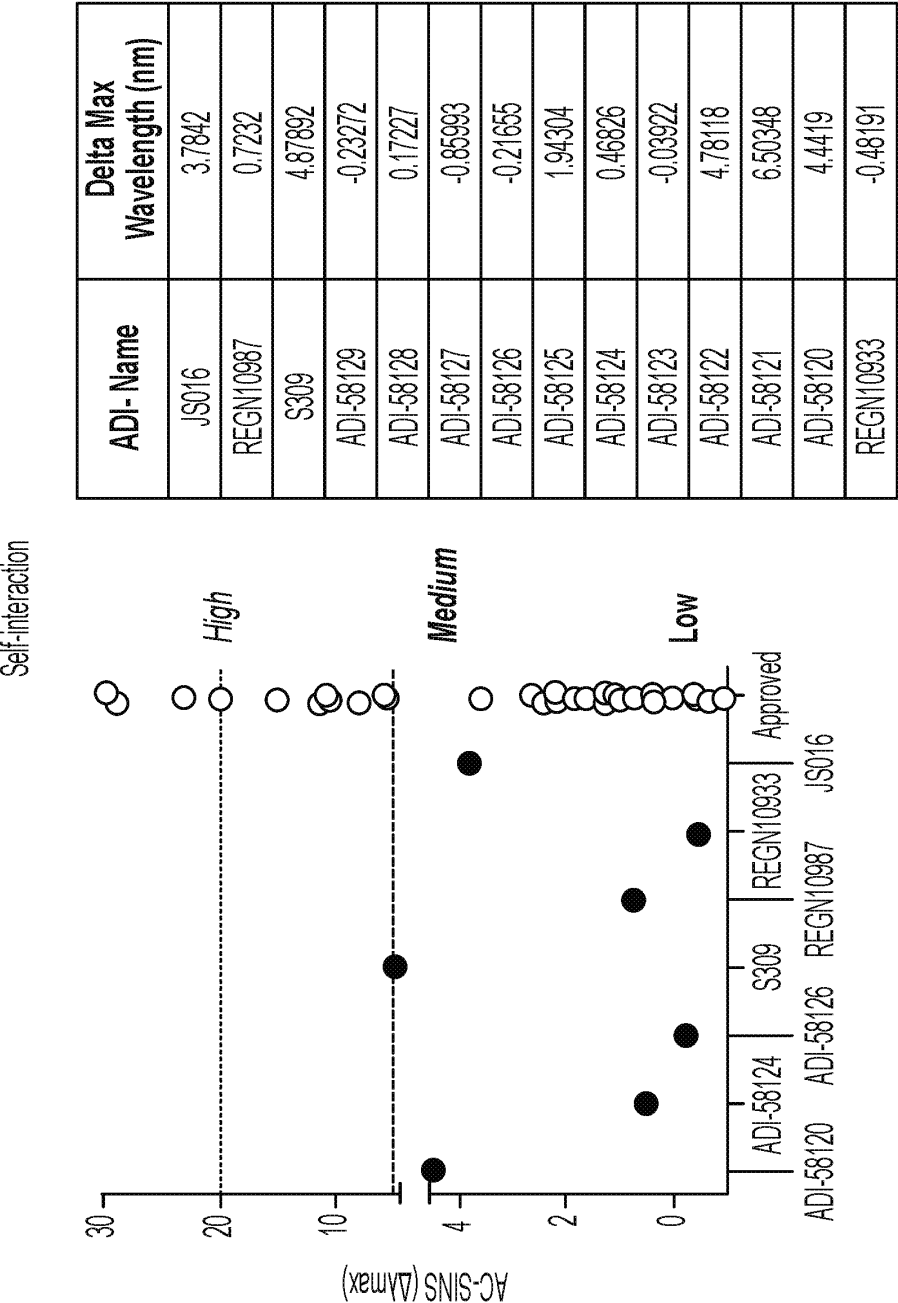


FIG. 38C

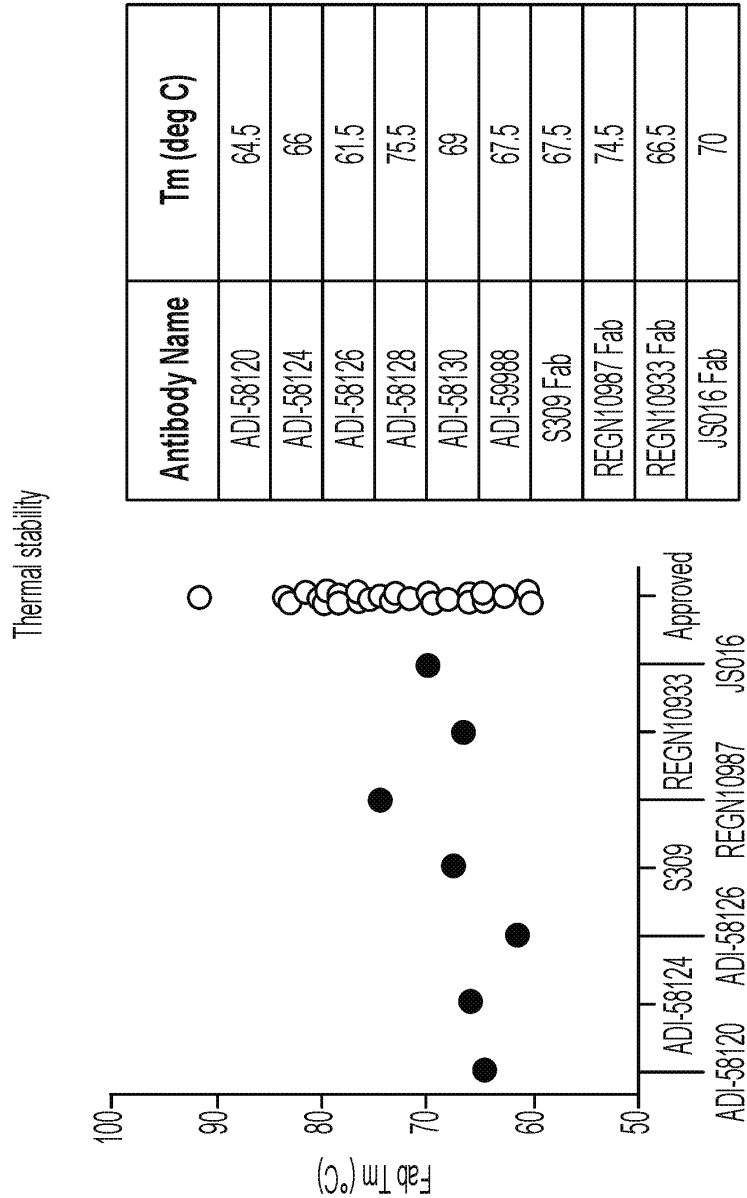


FIG. 38D

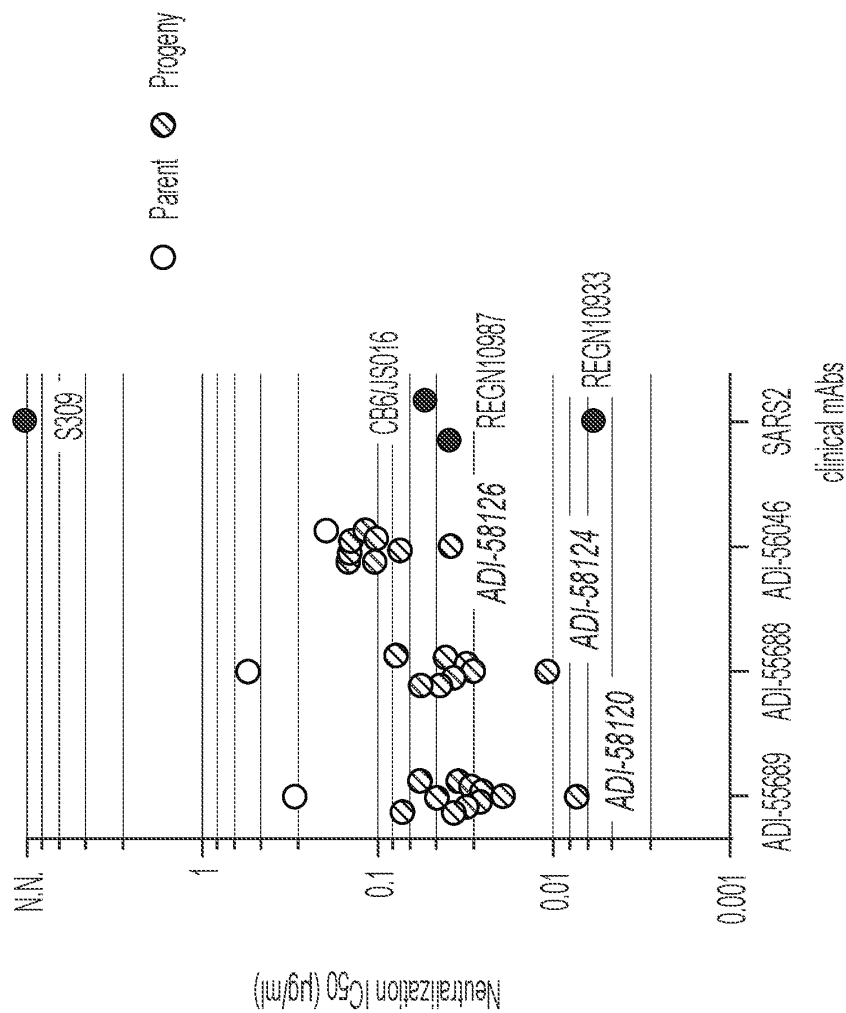


FIG. 39A

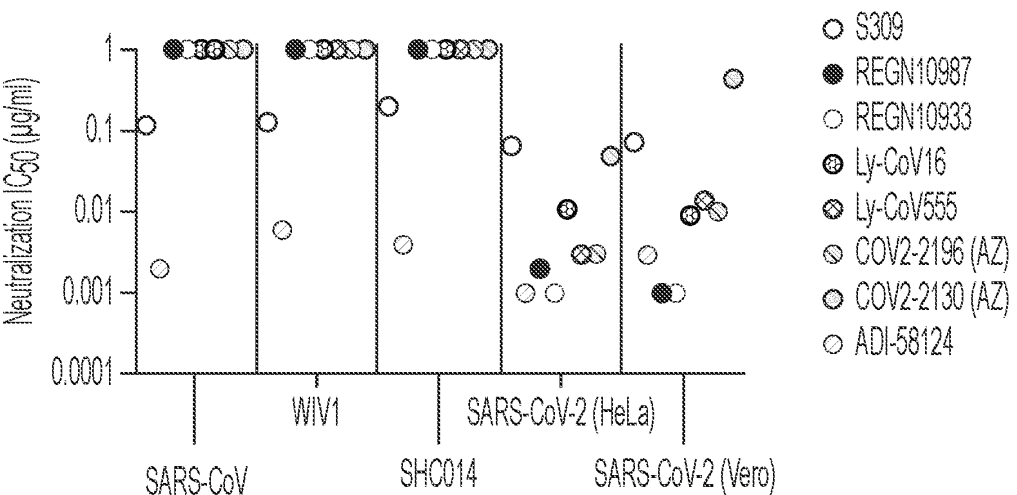
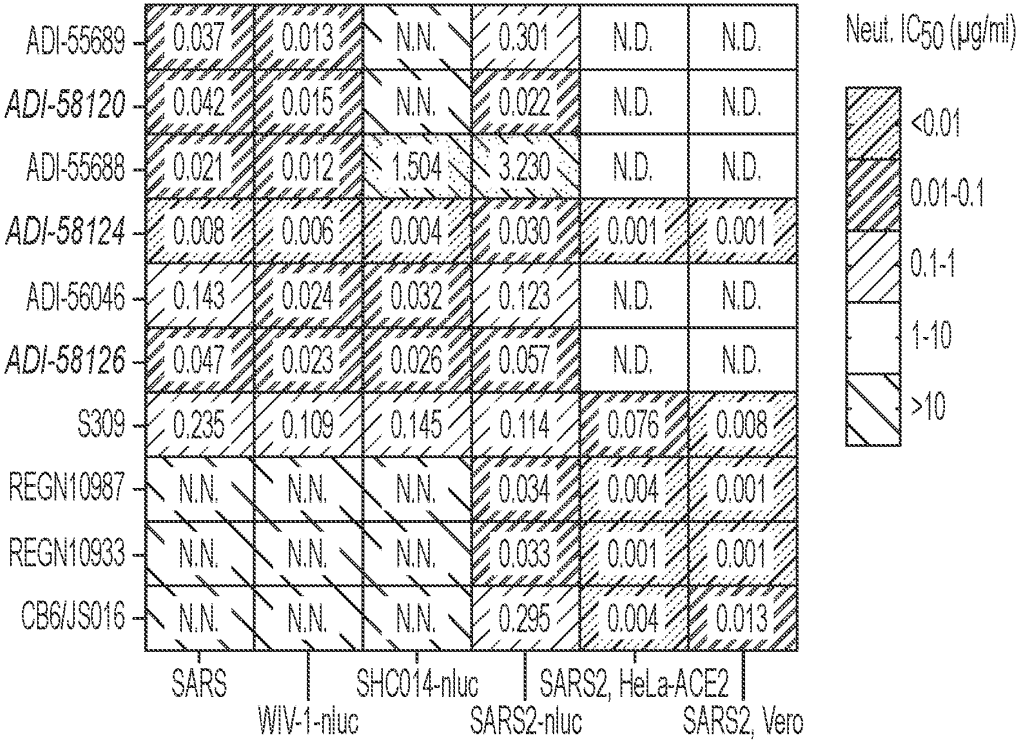


FIG. 39B

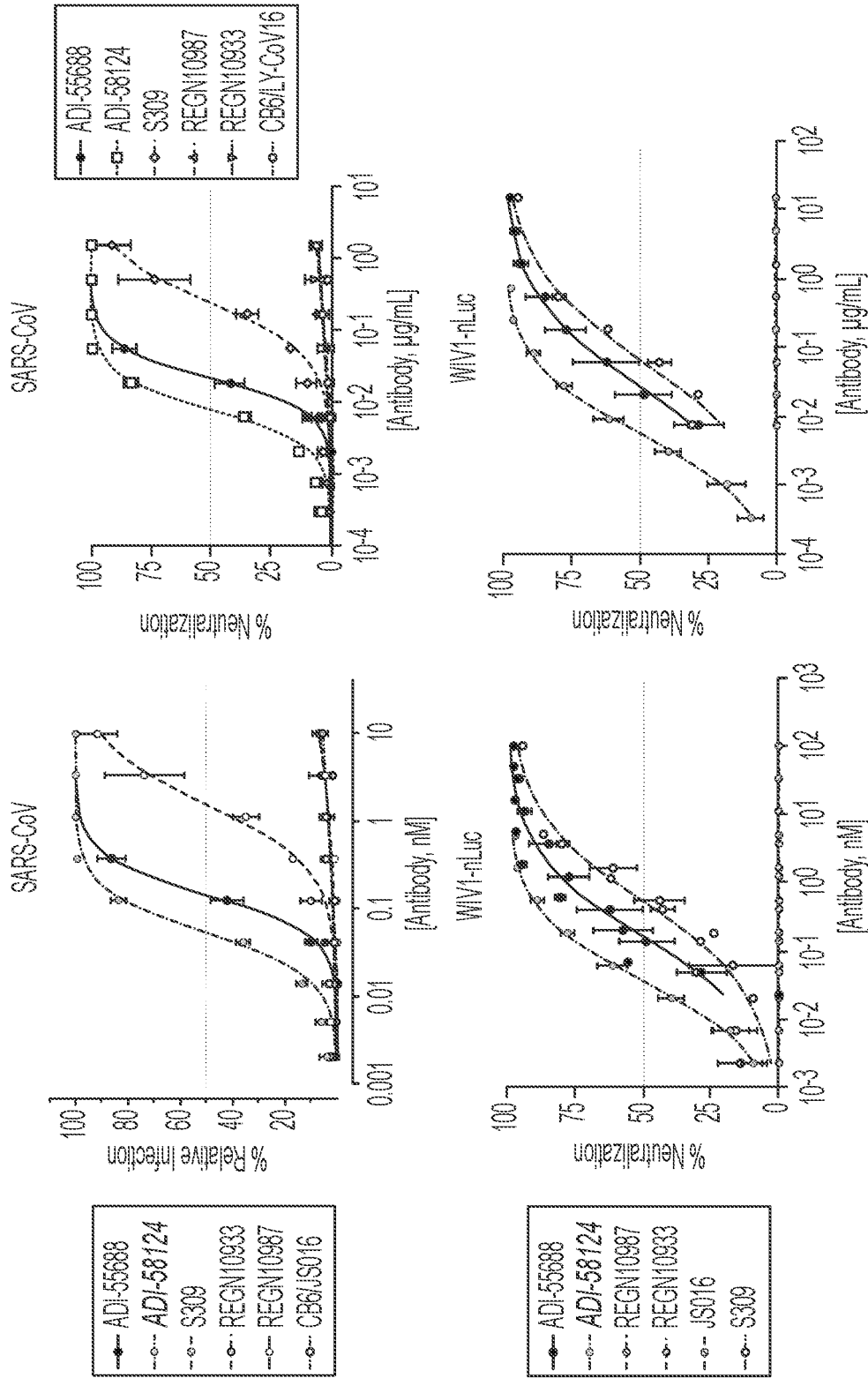


FIG. 39C

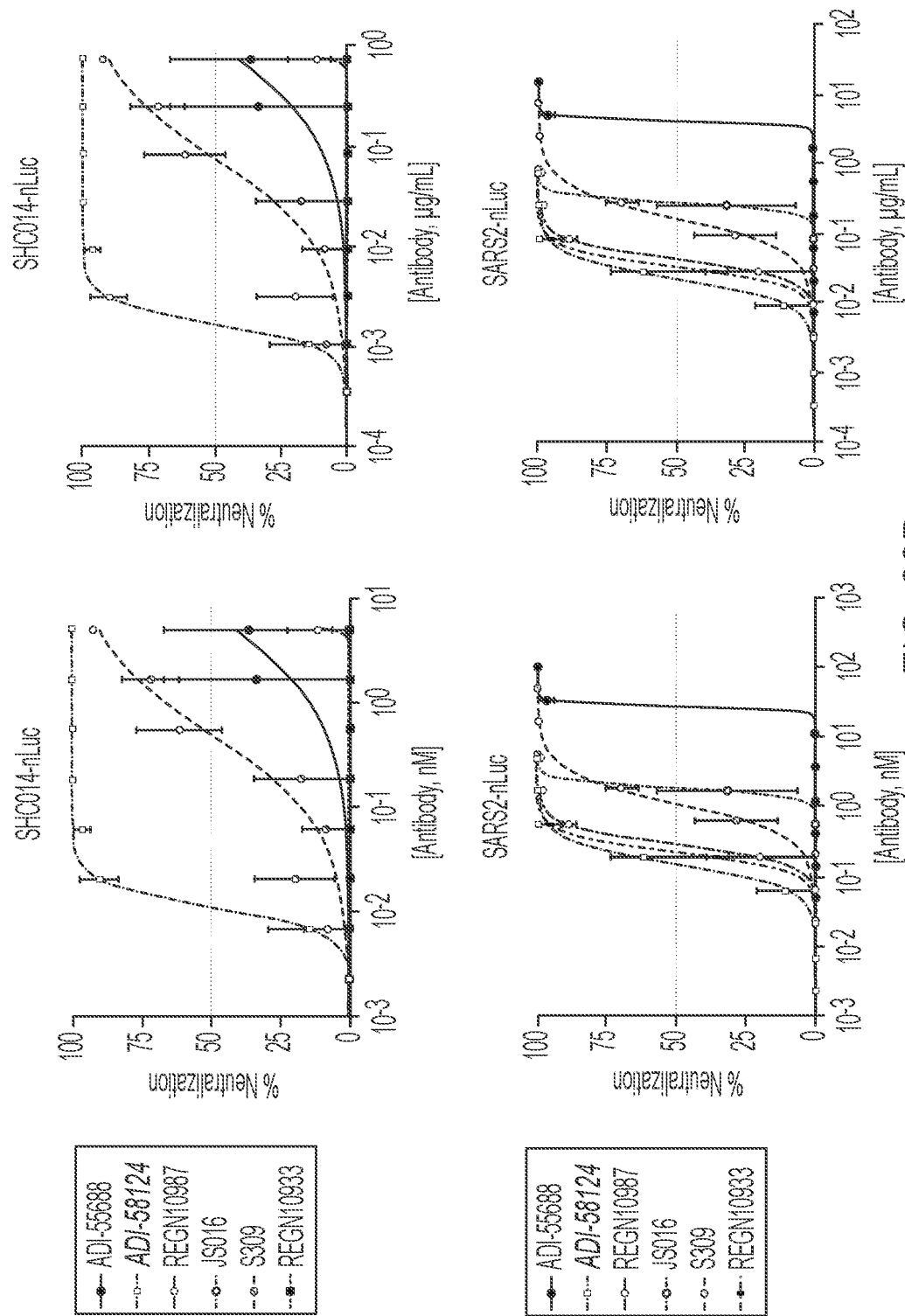
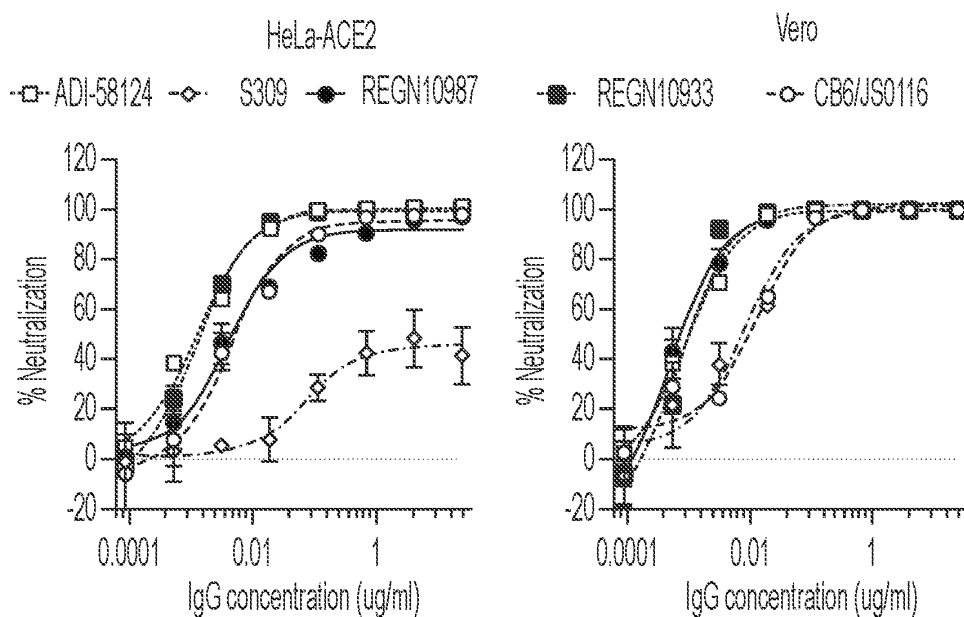


FIG. 39D



IC50 (ug/mL)	ADI-58125	ADI-58129	JS016	S309	REGN10987	REGN10933
with HeLa-ACE2	0.00131	0.00126	0.004468	0.07687	0.004211	0.00124
with VeroE6	0.0009137	0.000423	0.0132	0.008297	0.0005001	0.0006973

FIG. 39E

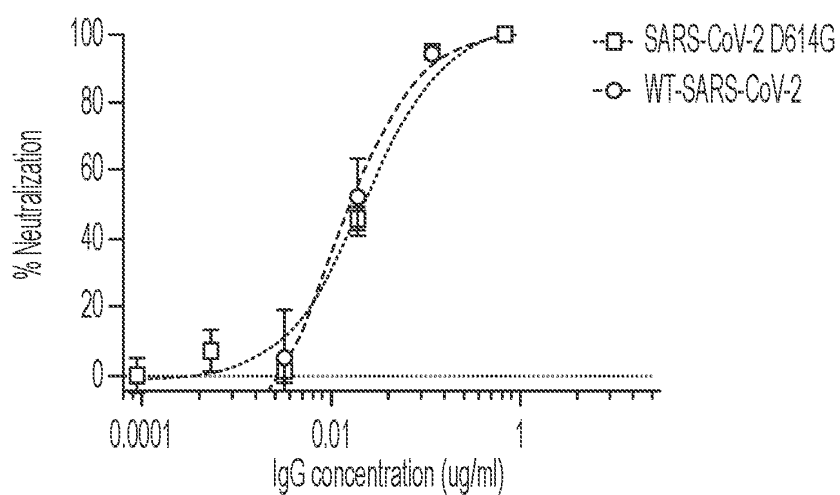


FIG. 39F

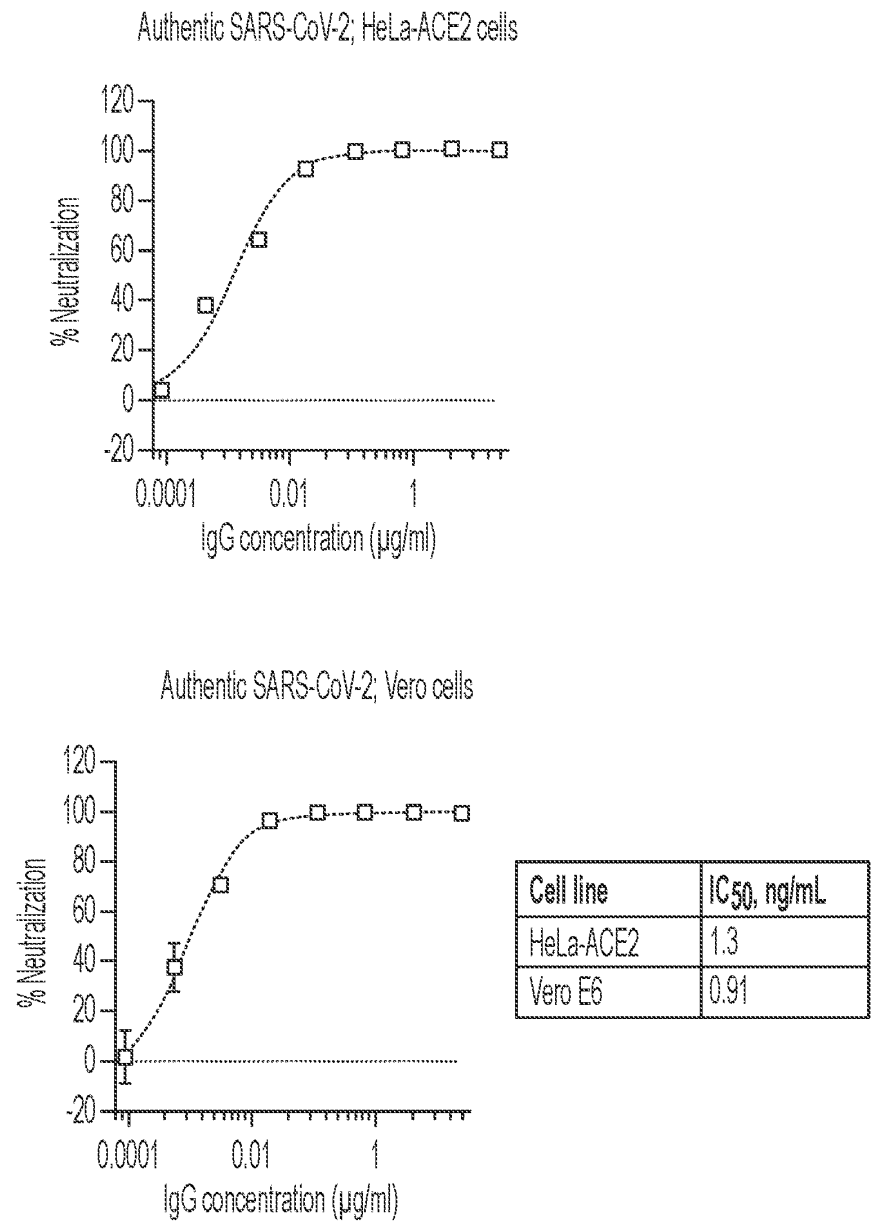
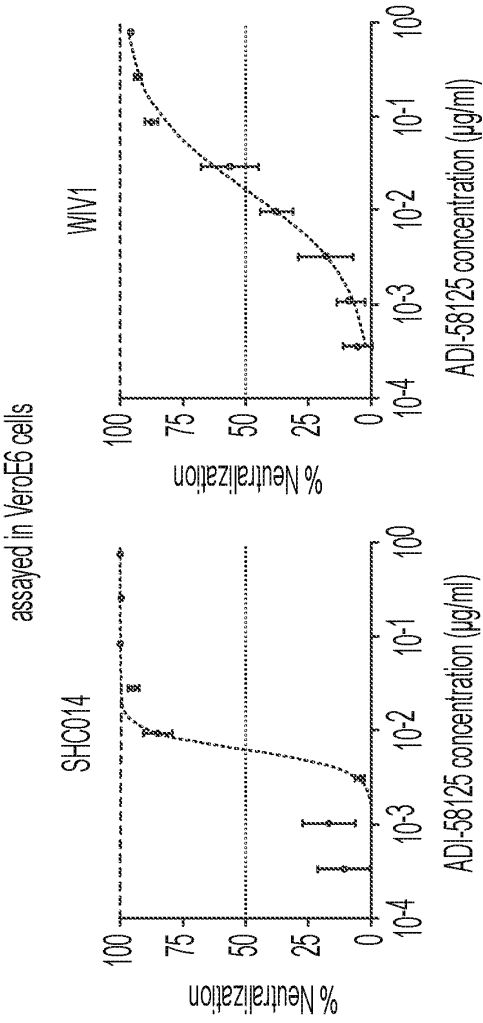


FIG. 39G

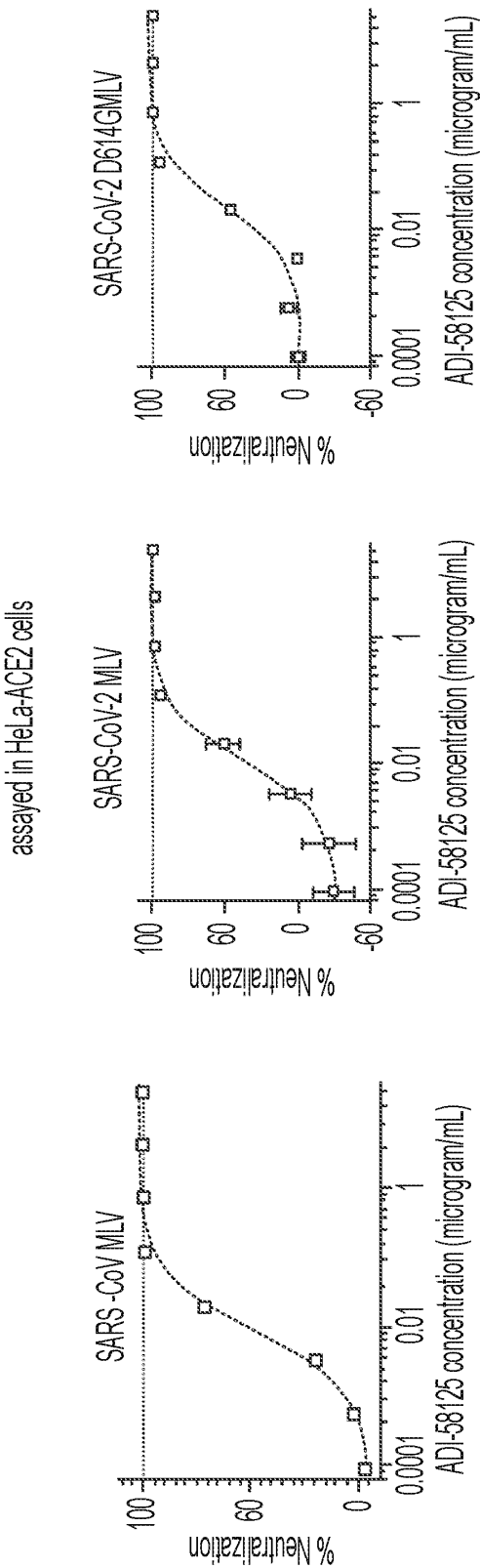


ADI-58125

Virus	IC ₅₀ (µg/ml)	IC ₉₀ (µg/ml)
SHC014	0.006	0.01
WIV1	0.016	0.17

IC ₅₀ (µg/mL)	ADI-55689	ADI-58120	ADI-55688	ADI-58124	ADI-56046	ADI-58126	S309	REGN10987	REGN10933	CB6/JS016
SHC014-nluc	N.N	N.N	1.5	0.004	0.032	0.026	0.145	N.N	N.N	N.N
WIV-1-nluc	0.013	0.015	0.012	0.006	0.024	0.023	0.109	N.N	N.N	N.N

FIG. 39H



	ADI-58129	JS016	s309	REGN10987	REGN10933
	IC50 (ug/mL)				
SARS-CoV	N.N	N.N	0.02007	N.N	N.N
SARS-CoV-2	0.01583	0.05415	N.N	0.03935	0.005513
SARS-CoV-2 D614G	0.01642	0.05226	0.1632	0.008991	0.01137

ADI-58125		IC50 (ug/ml)	IC90 (ug/ml)
SARS-CoV	0.008	0.05	
WT SARS-CoV-2	0.01	0.1	
SARS-CoV-2 D614g	0.02	0.06	

FIG. 39I

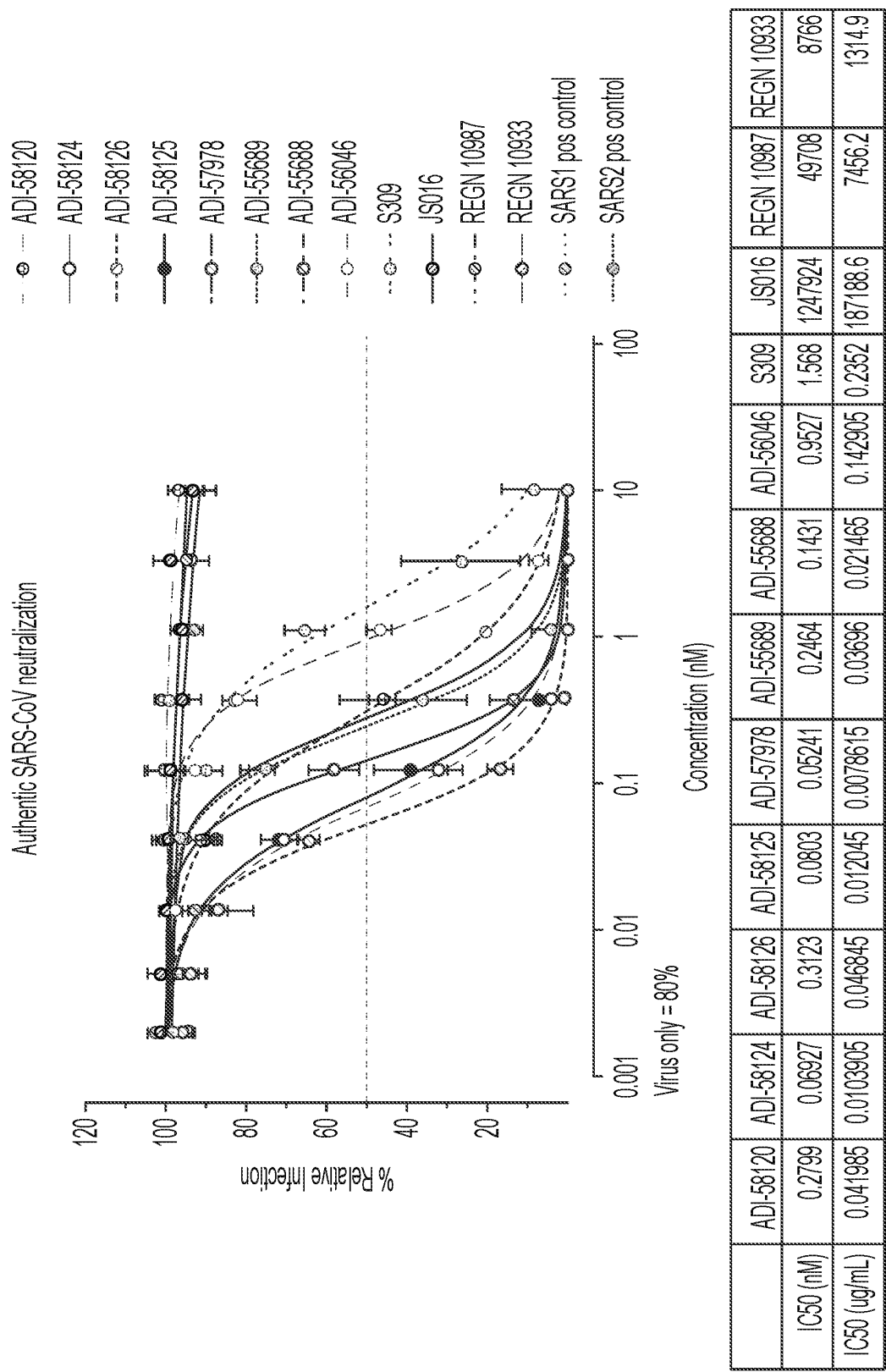


FIG. 39J

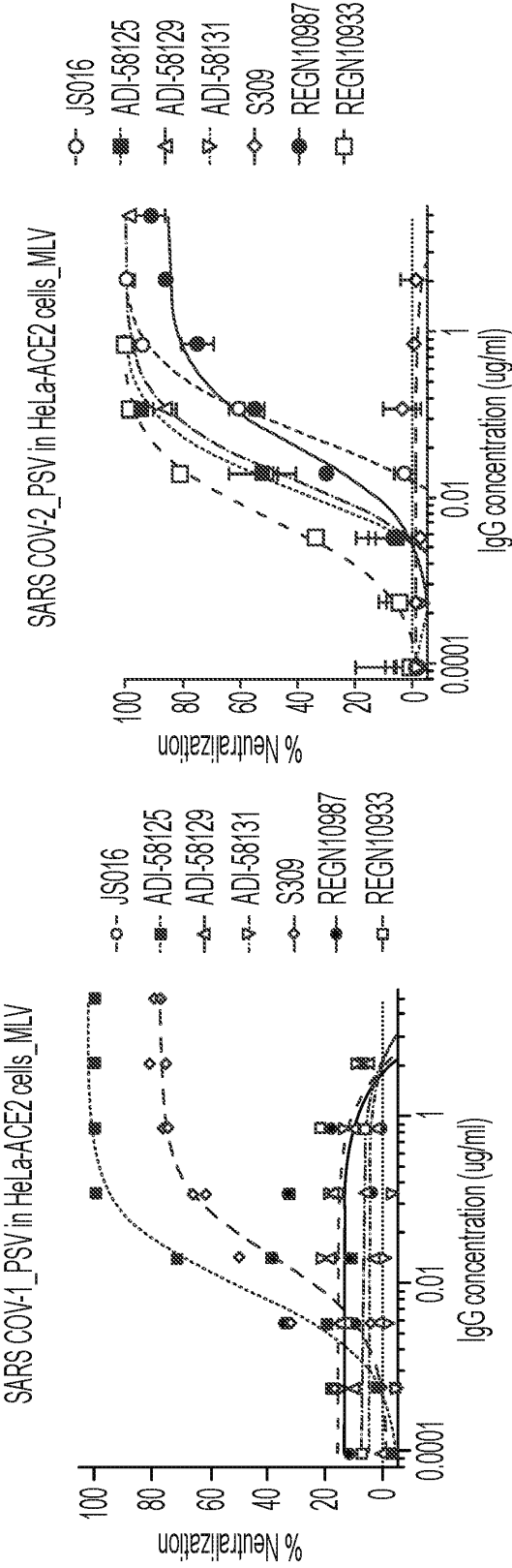


FIG. 39L

FIG. 39K

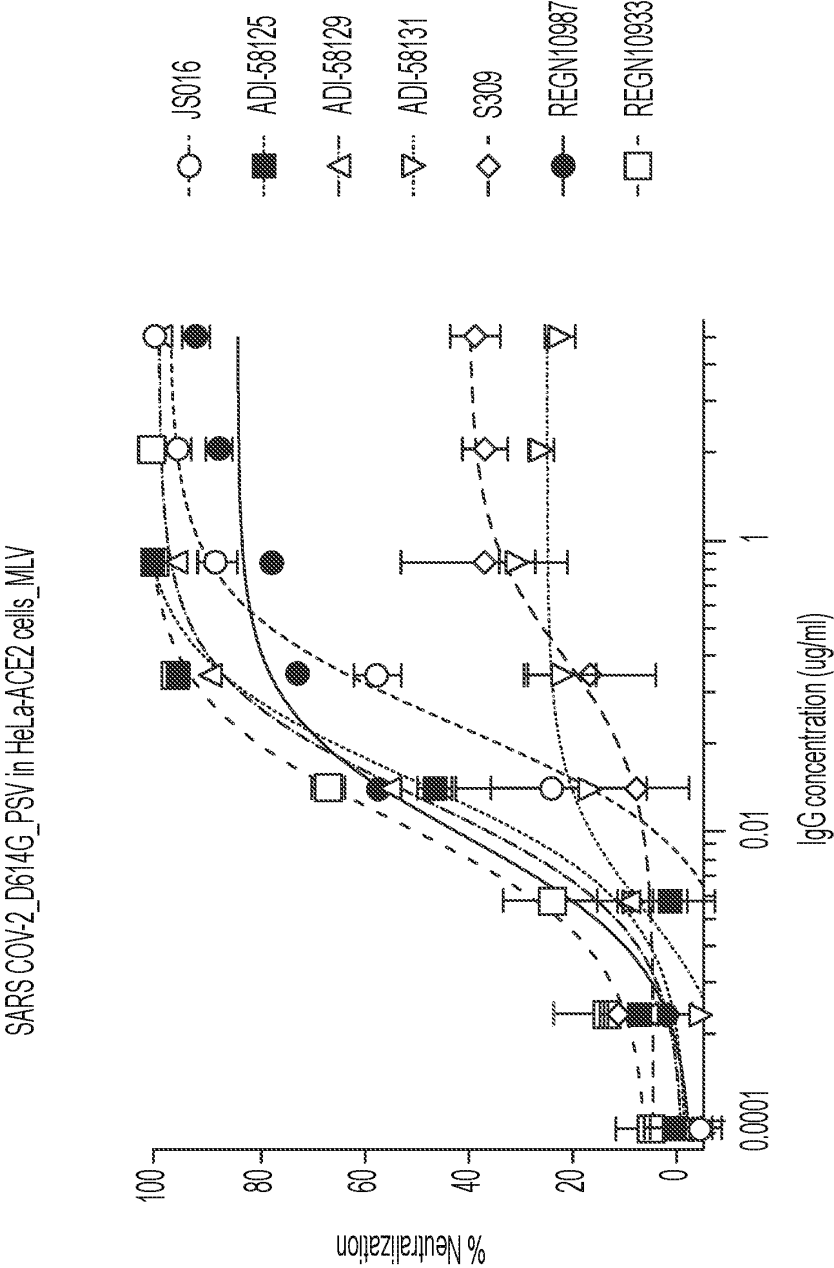


FIG. 39M

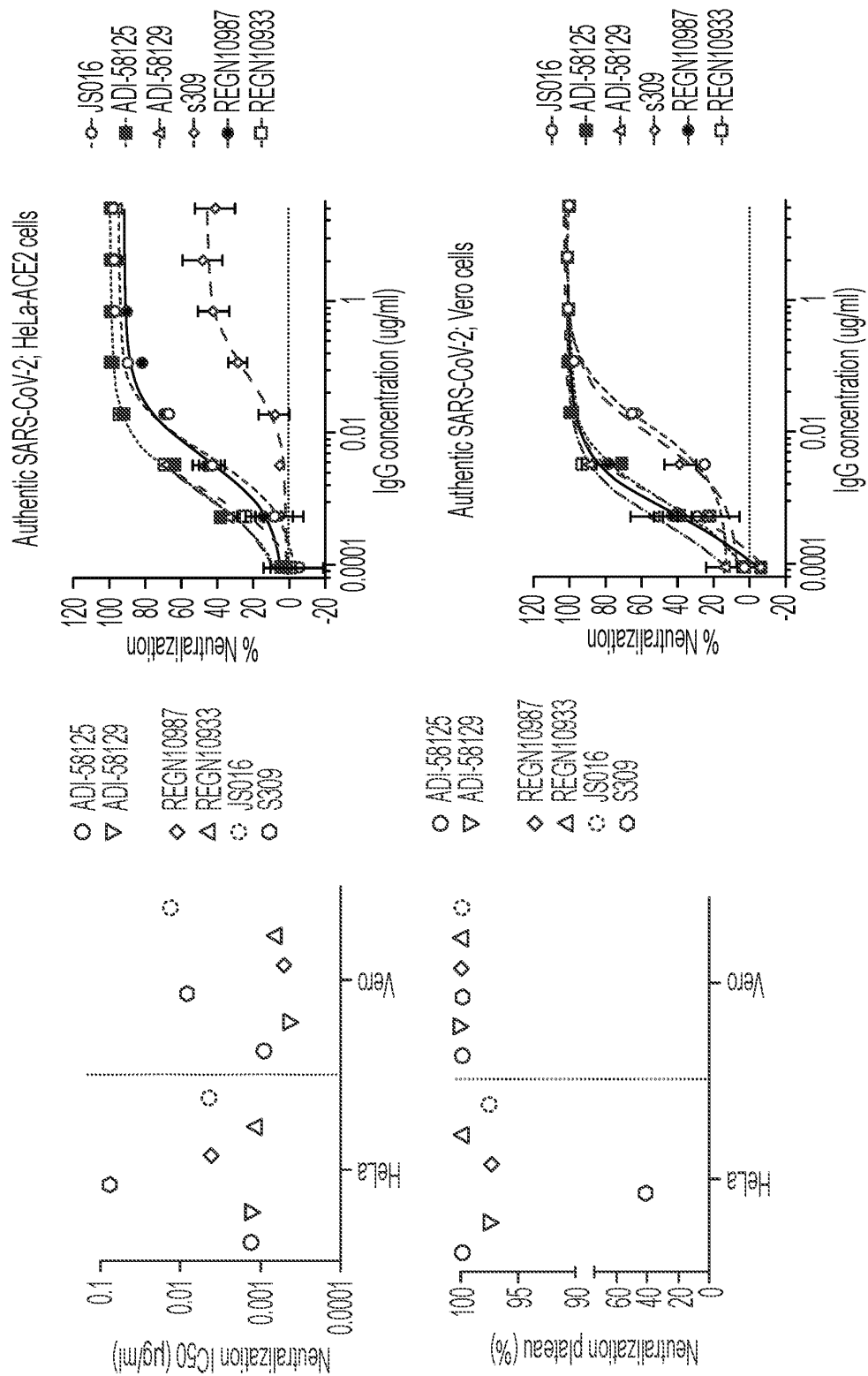


FIG. 39N

FIG. 39O

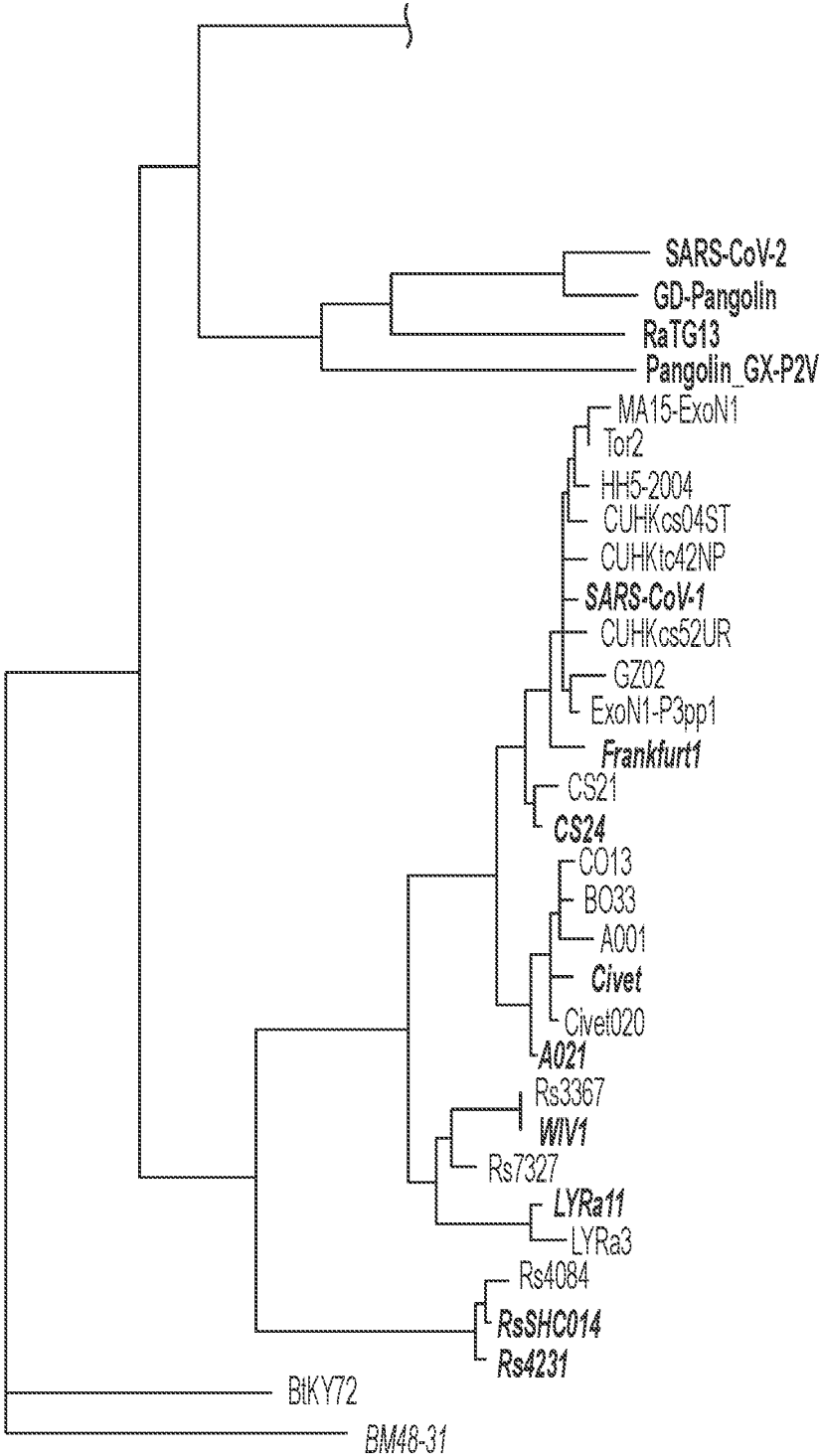


FIG. 40A

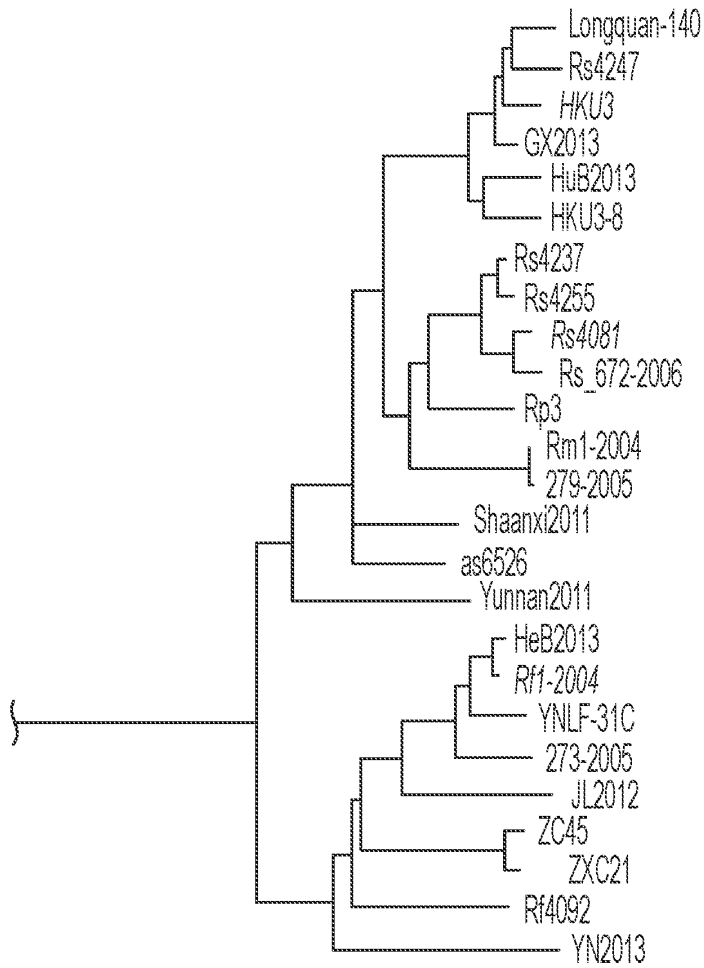


FIG. 40A CONTINUED

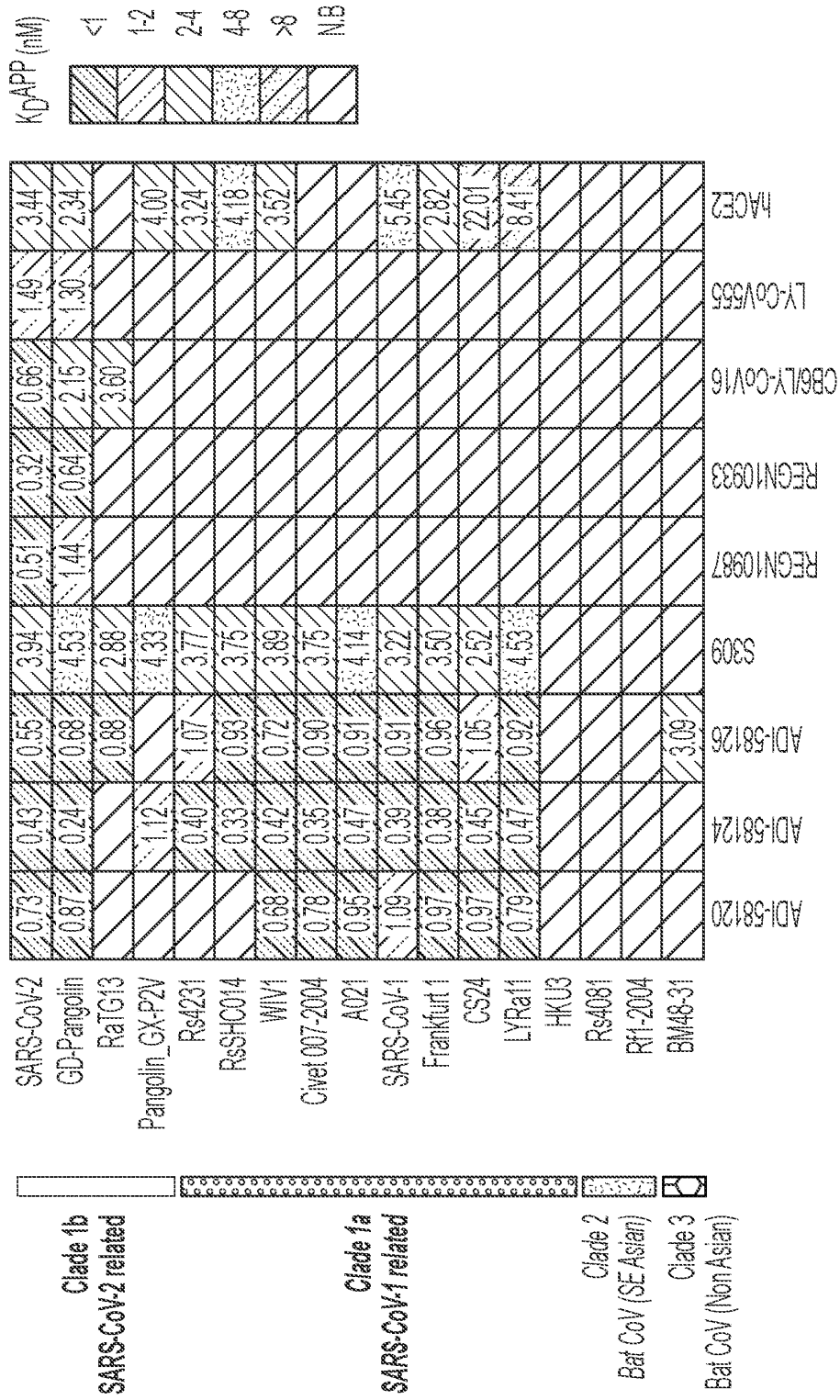


FIG. 40B

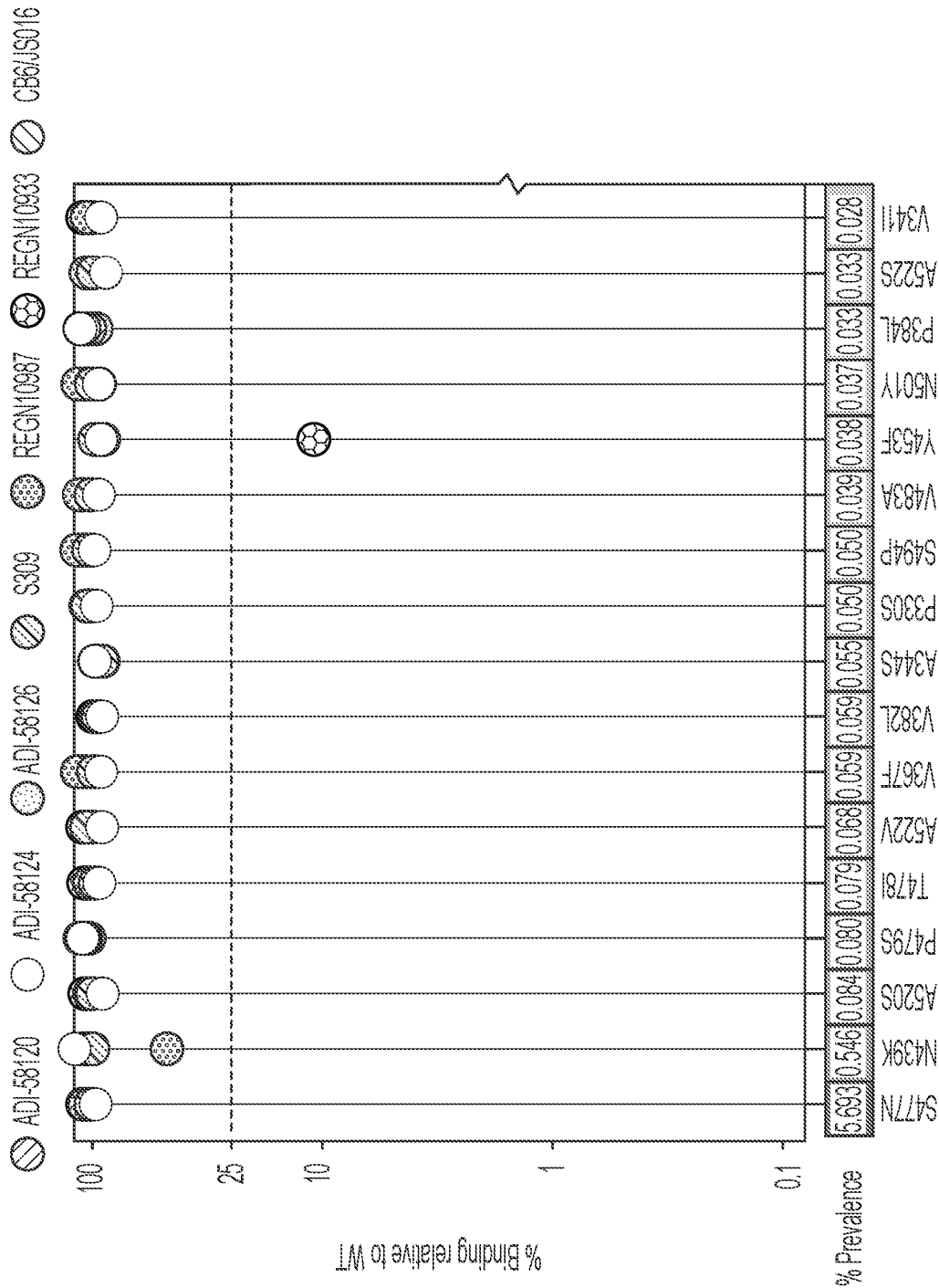


FIG. 40C

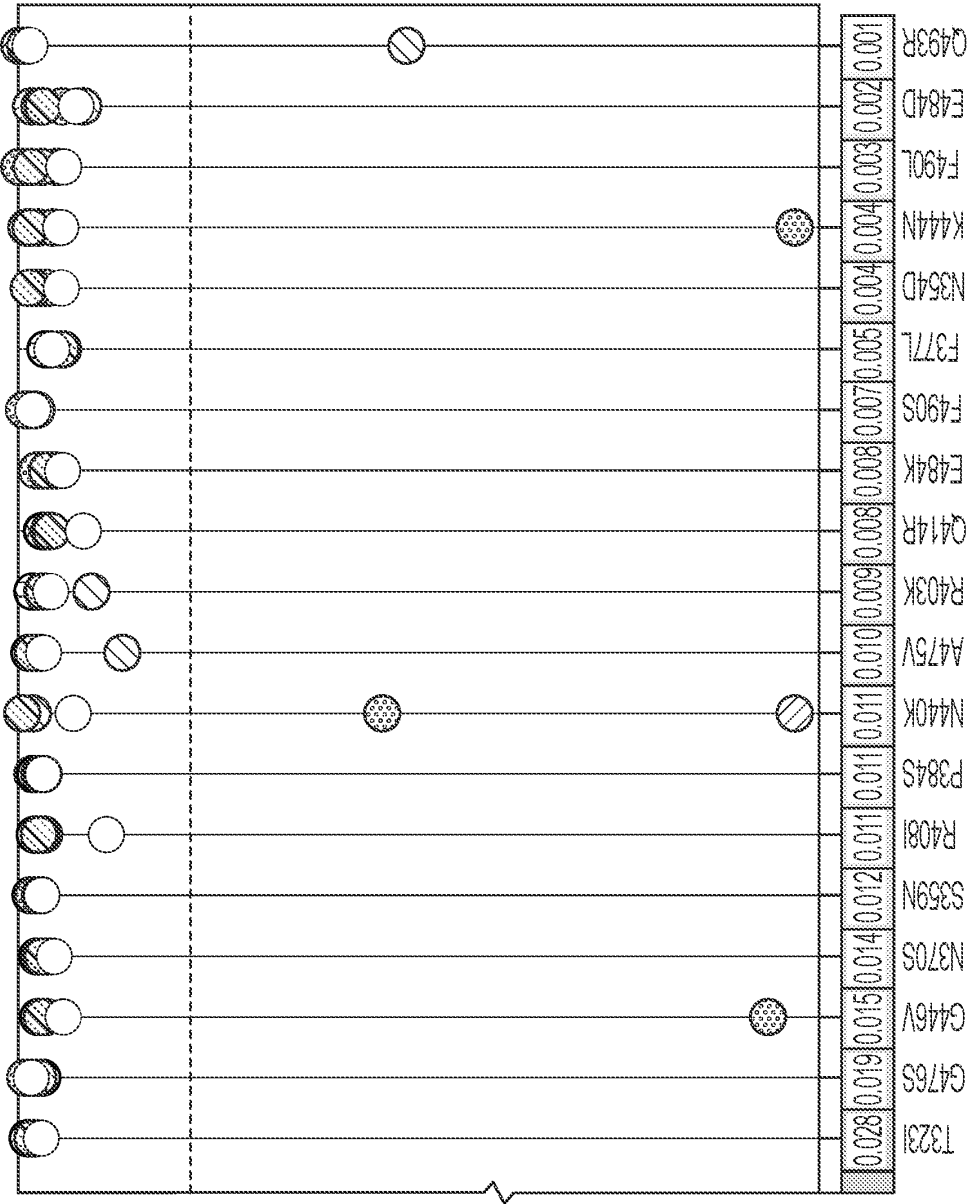


FIG. 40C CONTINUED

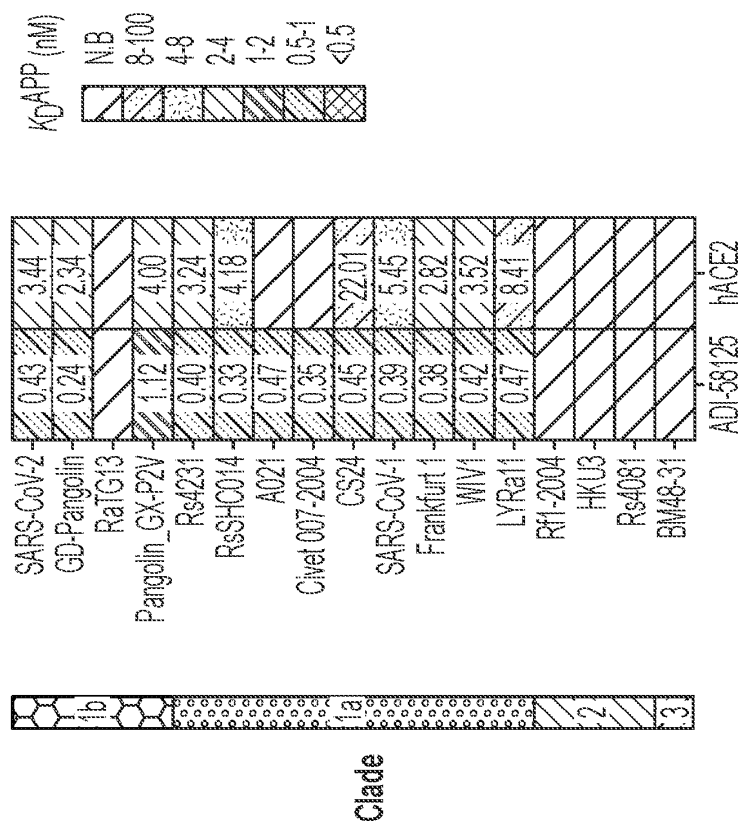


FIG. 40E

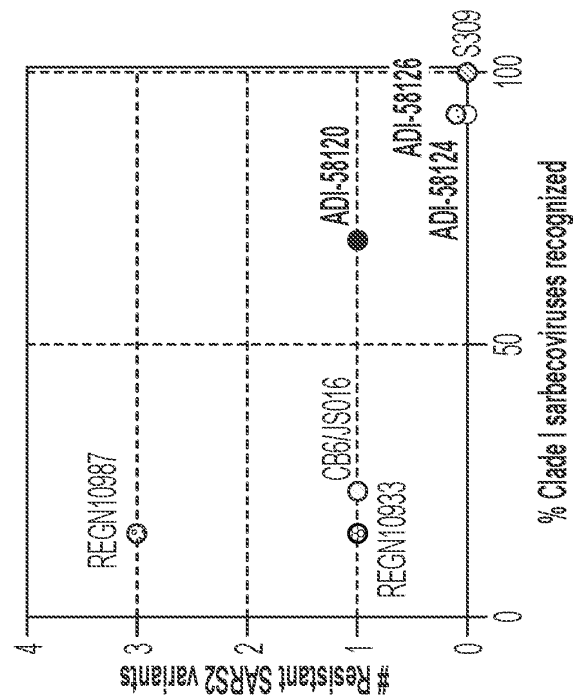


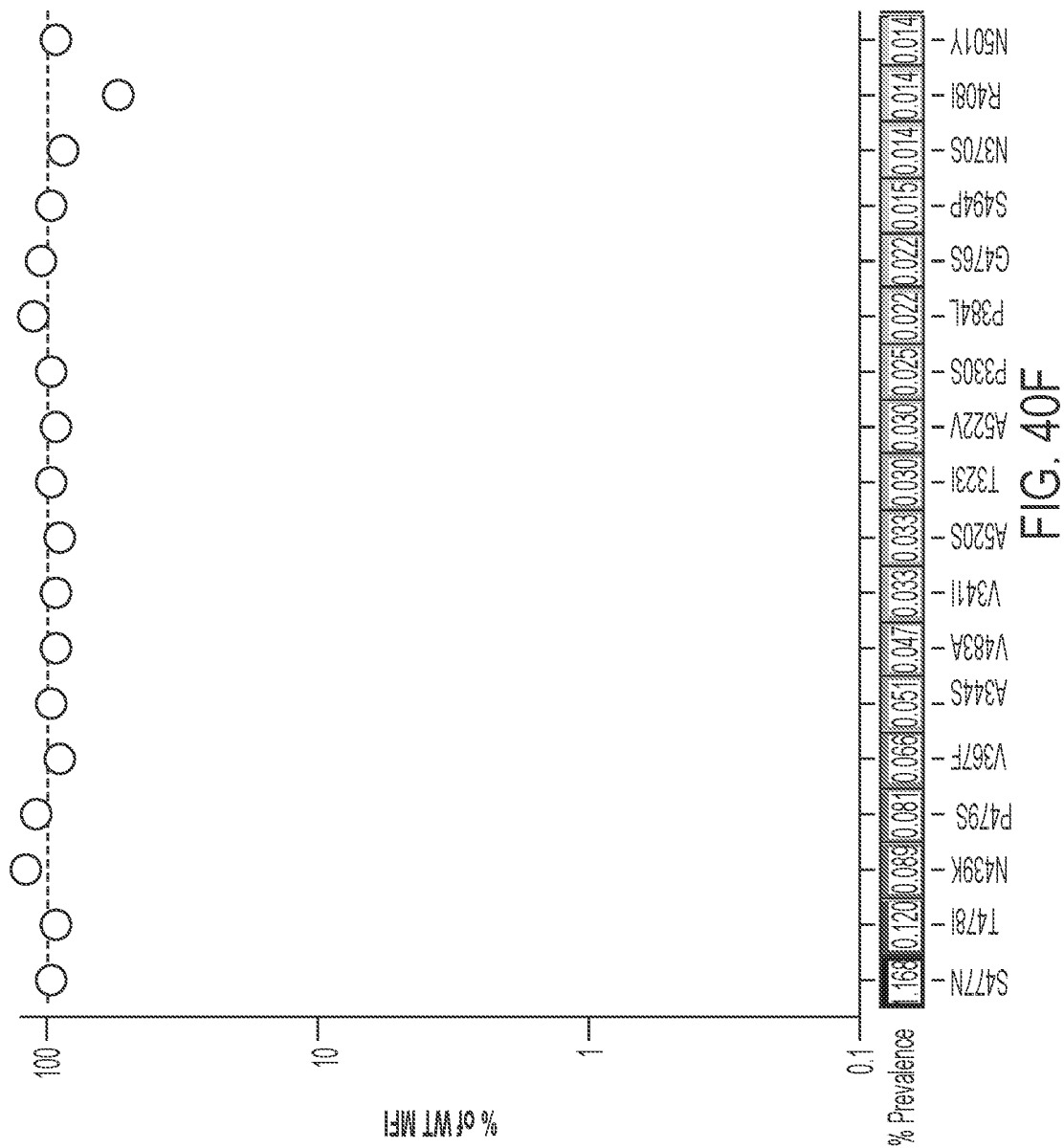
FIG. 40D

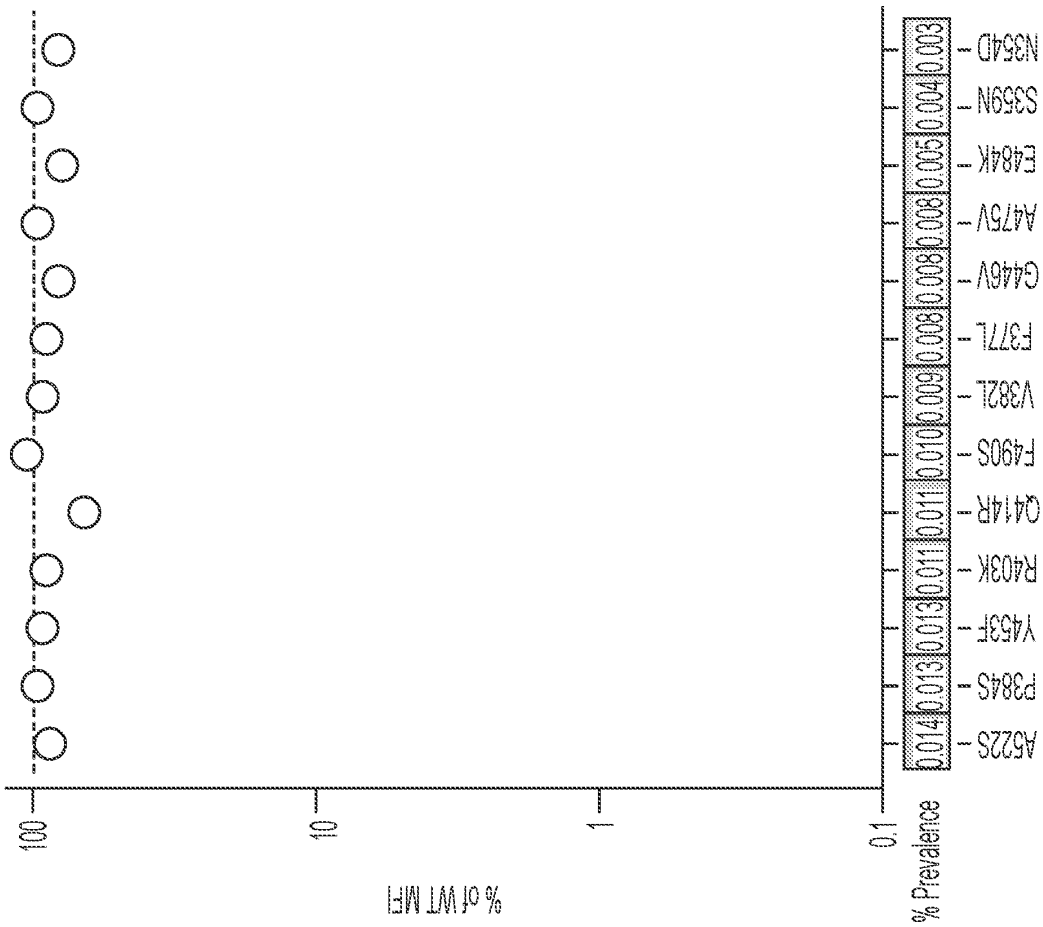
K _D ,app(nM)	SARS-CoV-2	GD-Pangolin	Pangolin_GX-P2V	RaTG13	SARS-CoV-1	Frankfurt 1	CS24	Civet 007-2004
ADI-58120	0.7252	0.8664	N.B.	N.B.	1.088	0.9682	0.9685	0.7767
ADI-58125	0.4331	0.2407	1.116	N.B.	0.3858	0.3837	0.4548	0.3522
ADI-58126	0.5453	0.6758	N.B.	0.8801	0.9109	0.9637	1.048	0.8967
S309	3.938	4.528	4.325	2.881	3.217	3.497	2.521	3.752
REGN10987	0.5124	1.442	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.
REGN10933	0.3248	0.6415	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.
JS016	0.664	2.148	N.B.	3.597	N.B.	N.B.	N.B.	N.B.
hACE2	3.435	2.335	3.995	N.B.	5.447	2.824	22.01	N.B.

FIG. 40E CONTINUED

A021	WIV1	LYRa11	RsSHC014	Rs4231	HKU3	Rs4061	Rf1-2004	BM48-31
0.947	0.6788	0.7889	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.
0.4697	0.419	0.4733	0.3335	0.3952	N.B.	N.B.	N.B.	N.B.
0.9114	0.7186	0.9152	0.9257	1.068	N.B.	N.B.	N.B.	3.085
4.142	3.887	4.531	3.751	3.772	N.B.	N.B.	N.B.	N.B.
N.B.	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.
N.B.	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.
N.B.	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.	N.B.
N.B.	3.515	8.413	4.18	3.239	N.B.	N.B.	N.B.	N.B.

FIG. 40E CONTINUED





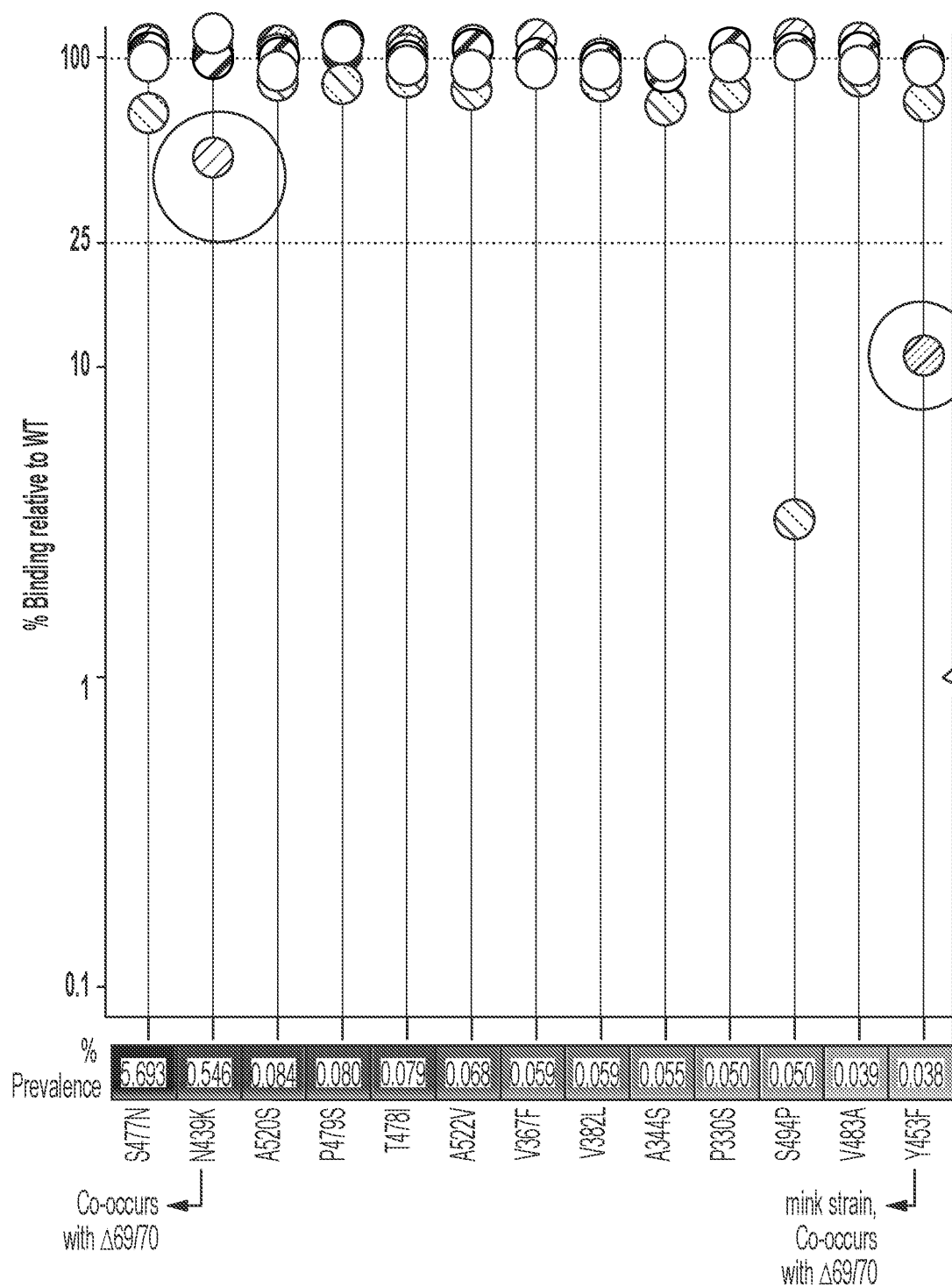


FIG. 40G

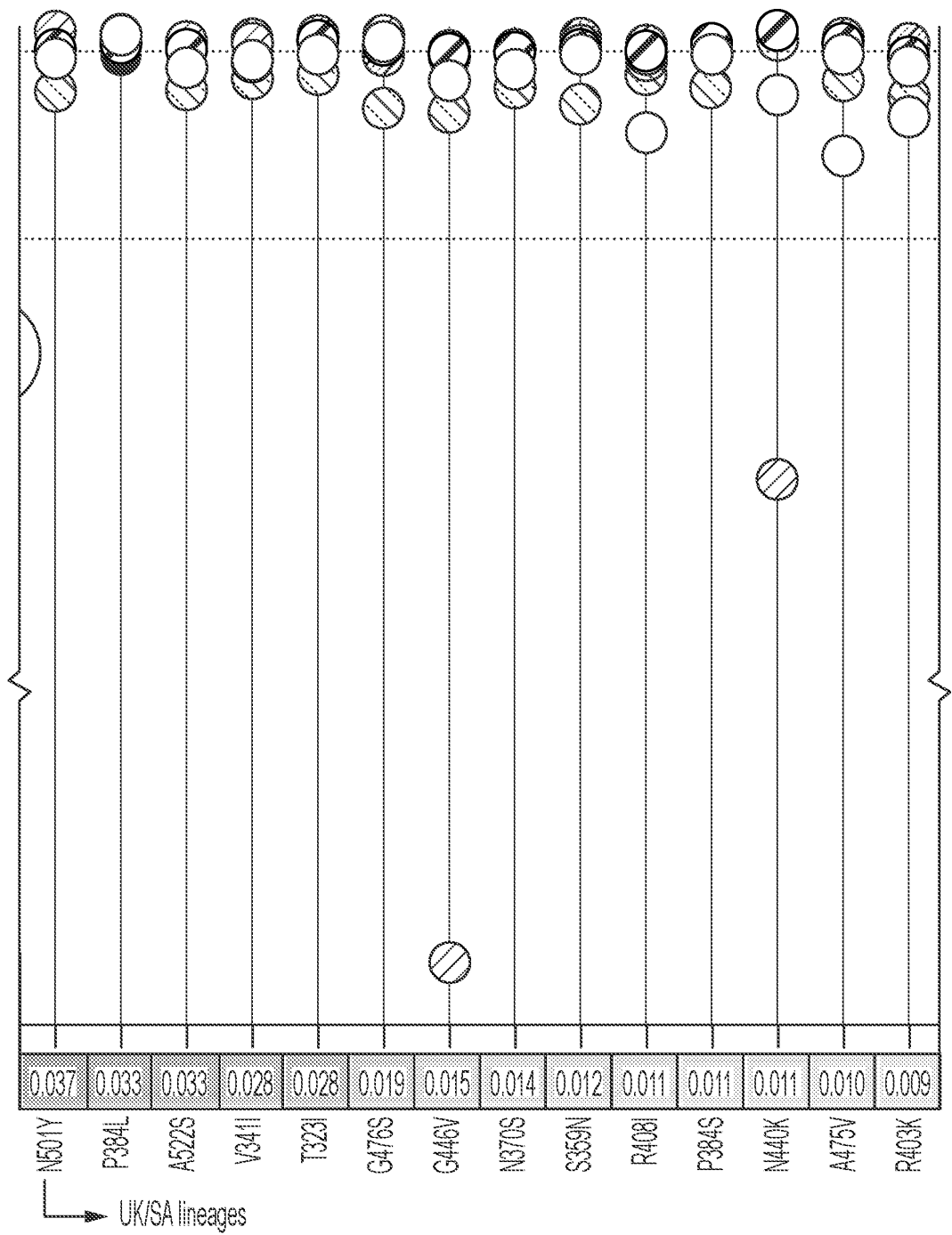


FIG. 40G CONTINUED

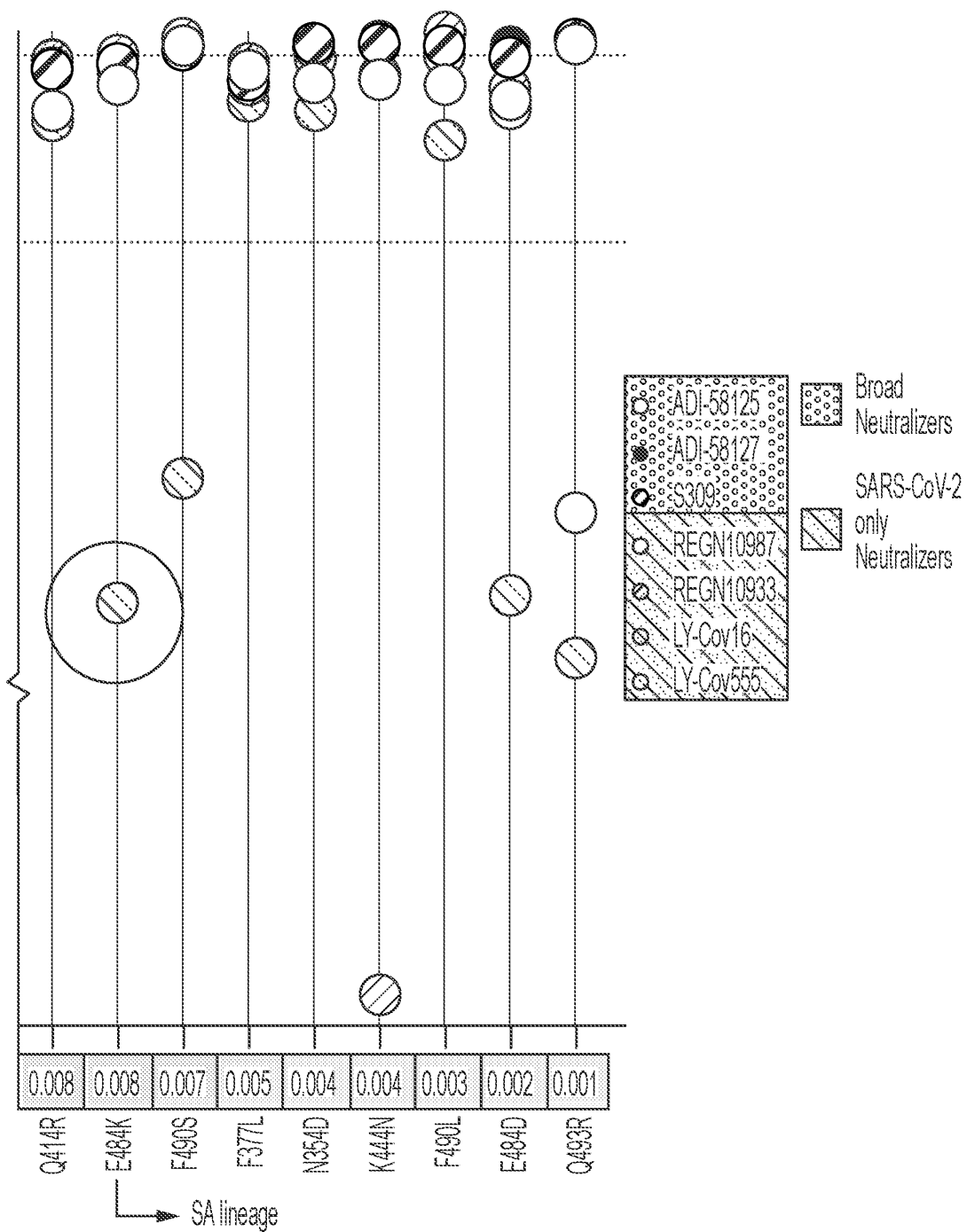


FIG. 40G CONTINUED

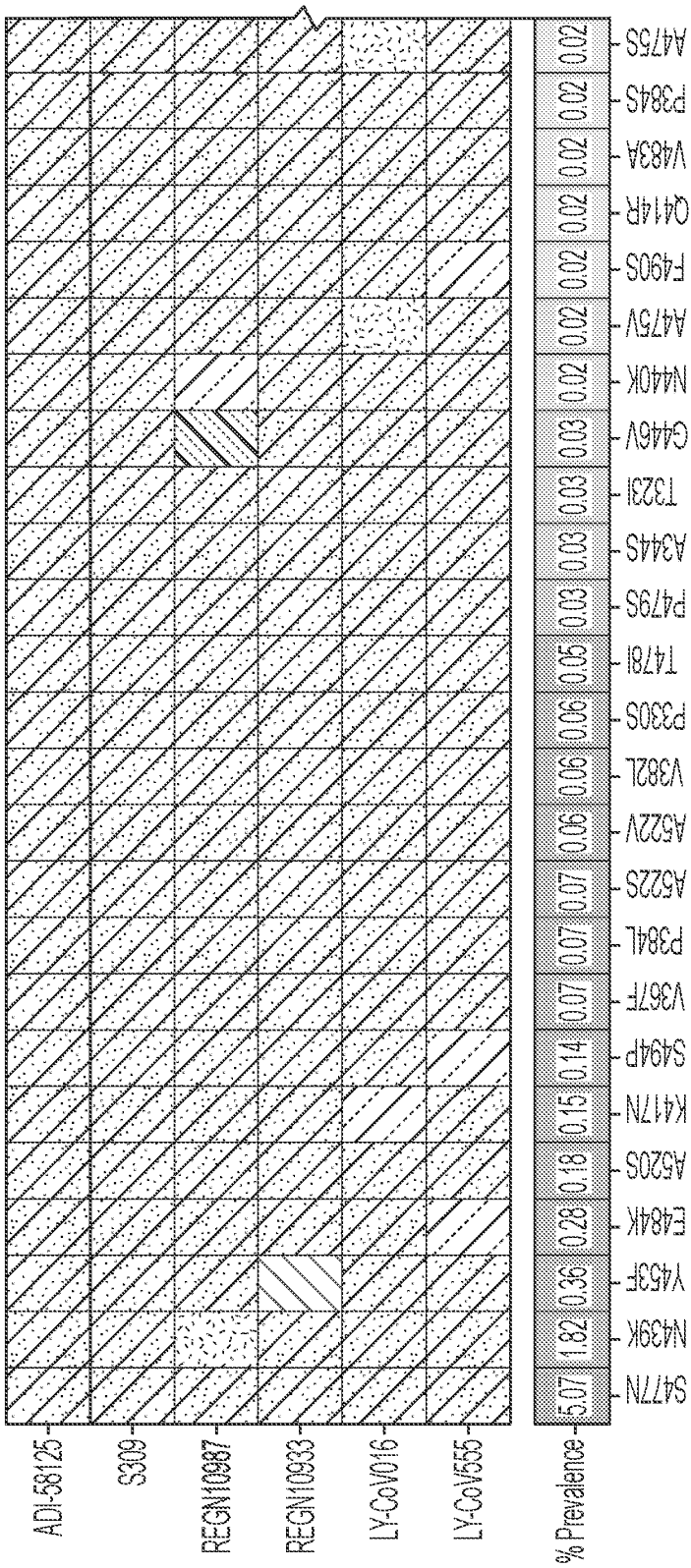


FIG. 40H

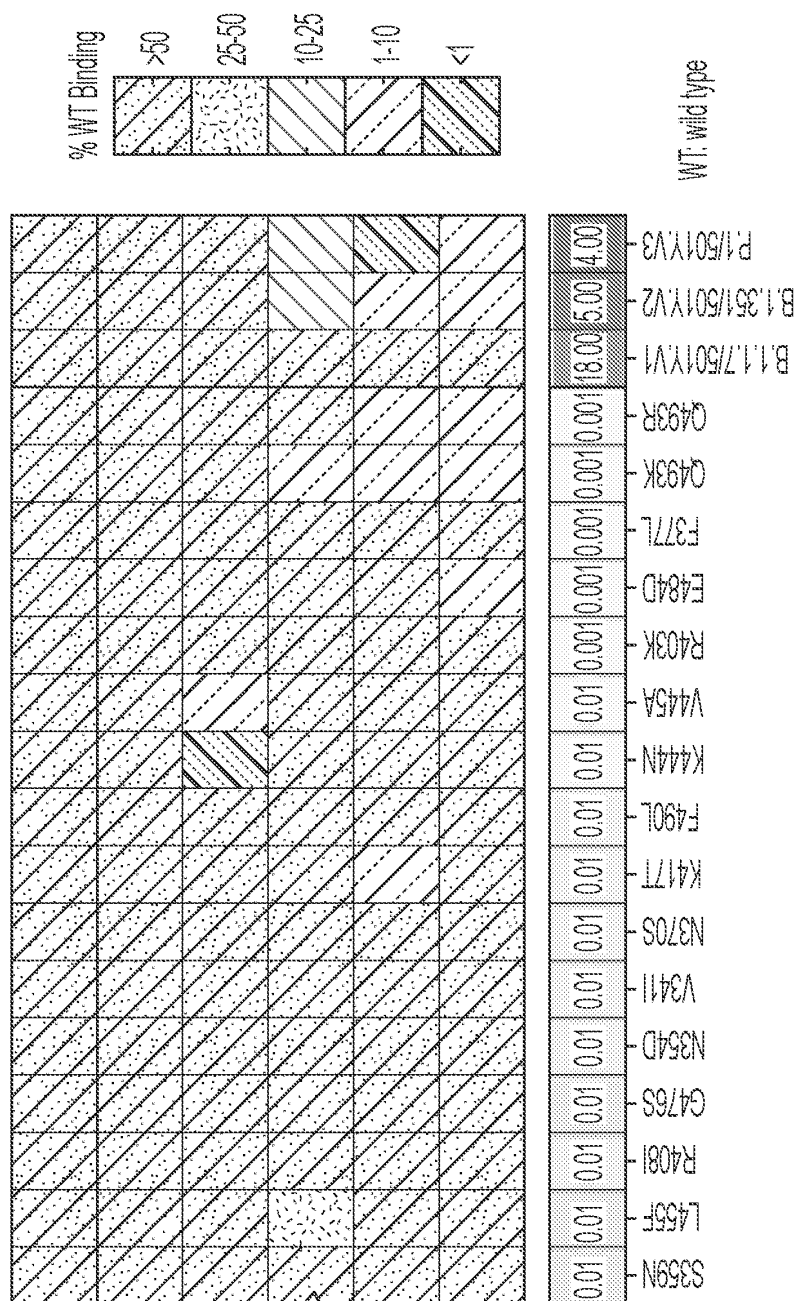


FIG. 40H CONTINUED

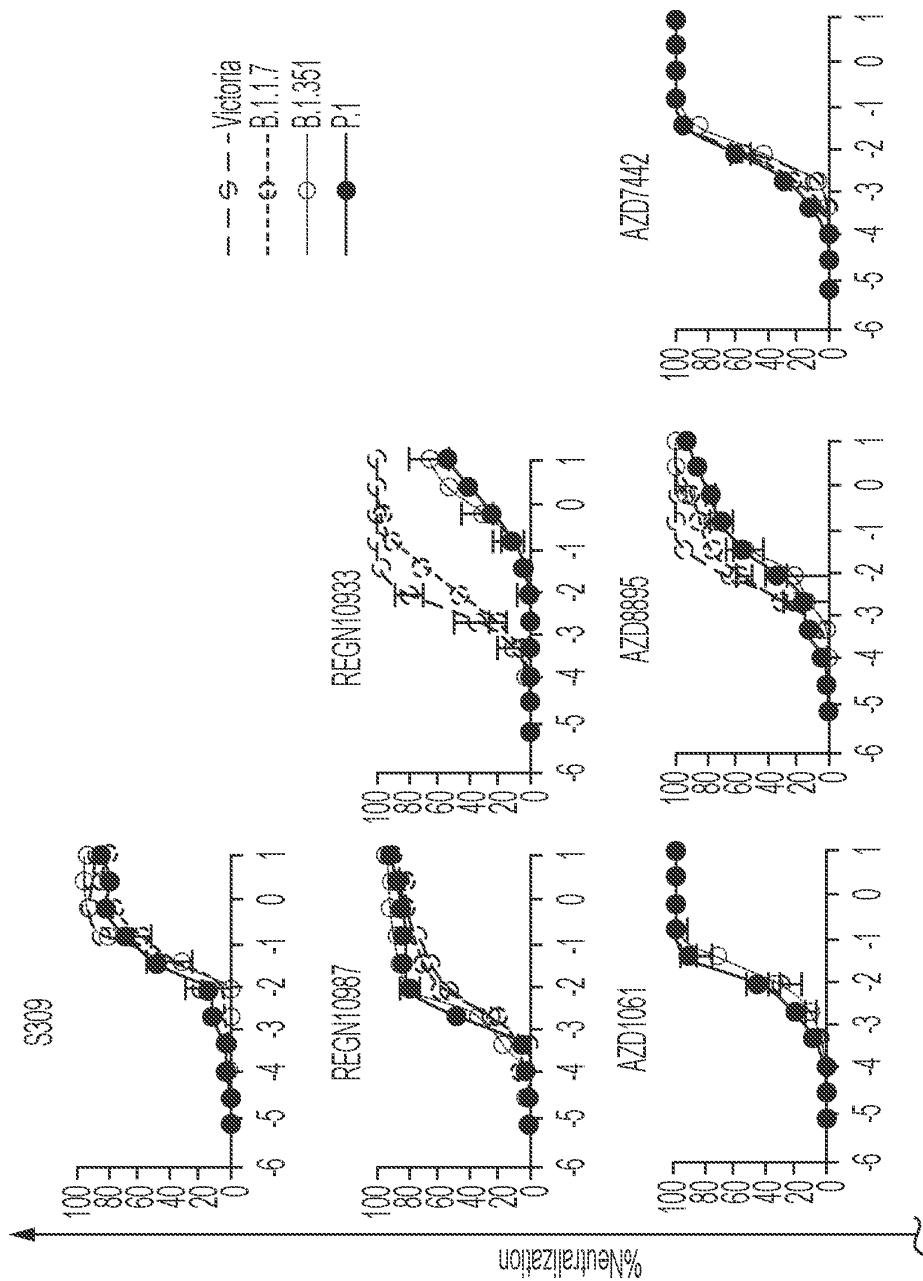


FIG. 40I

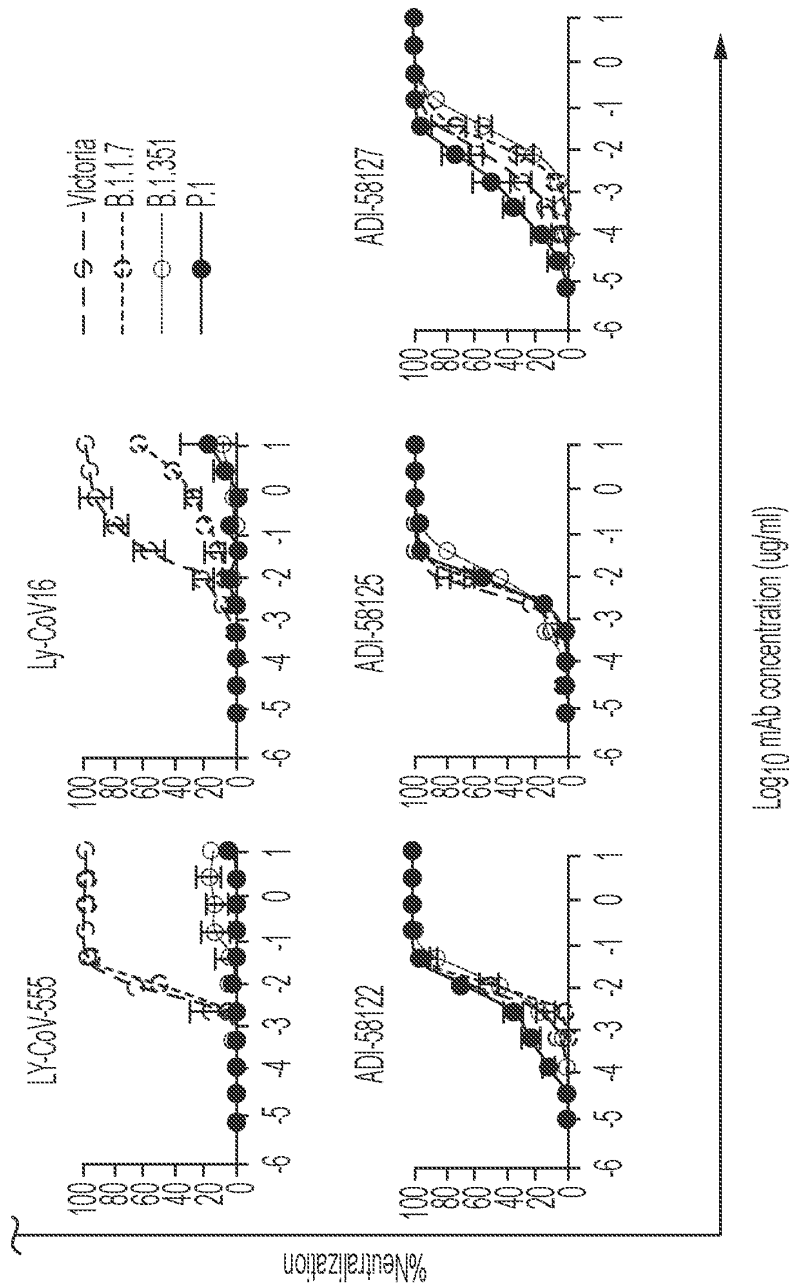


FIG. 40I CONTINUED

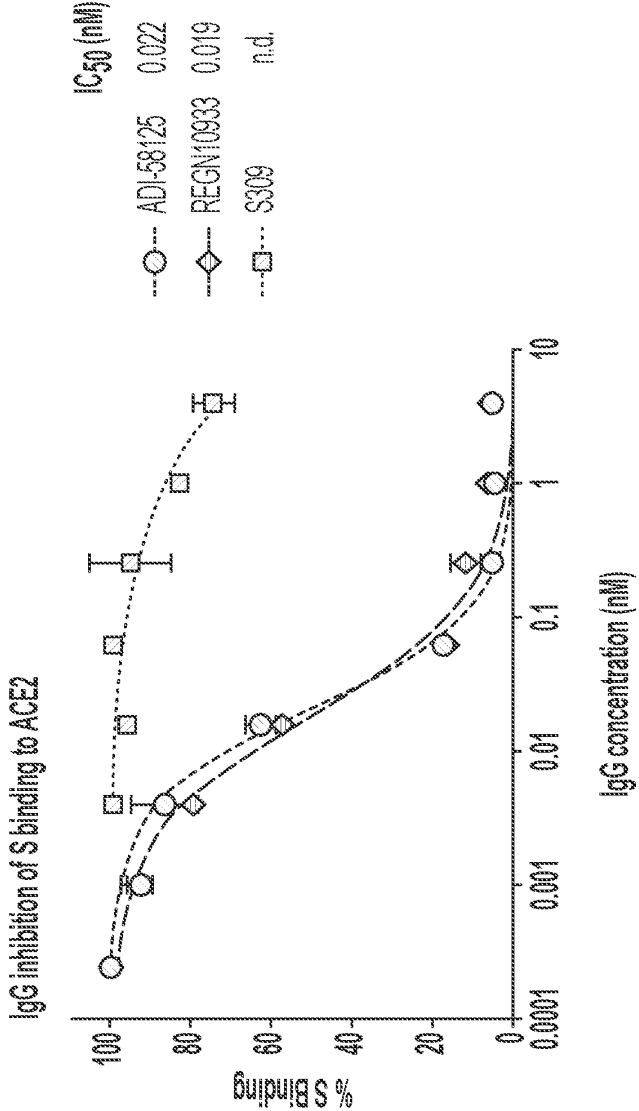


FIG. 40J

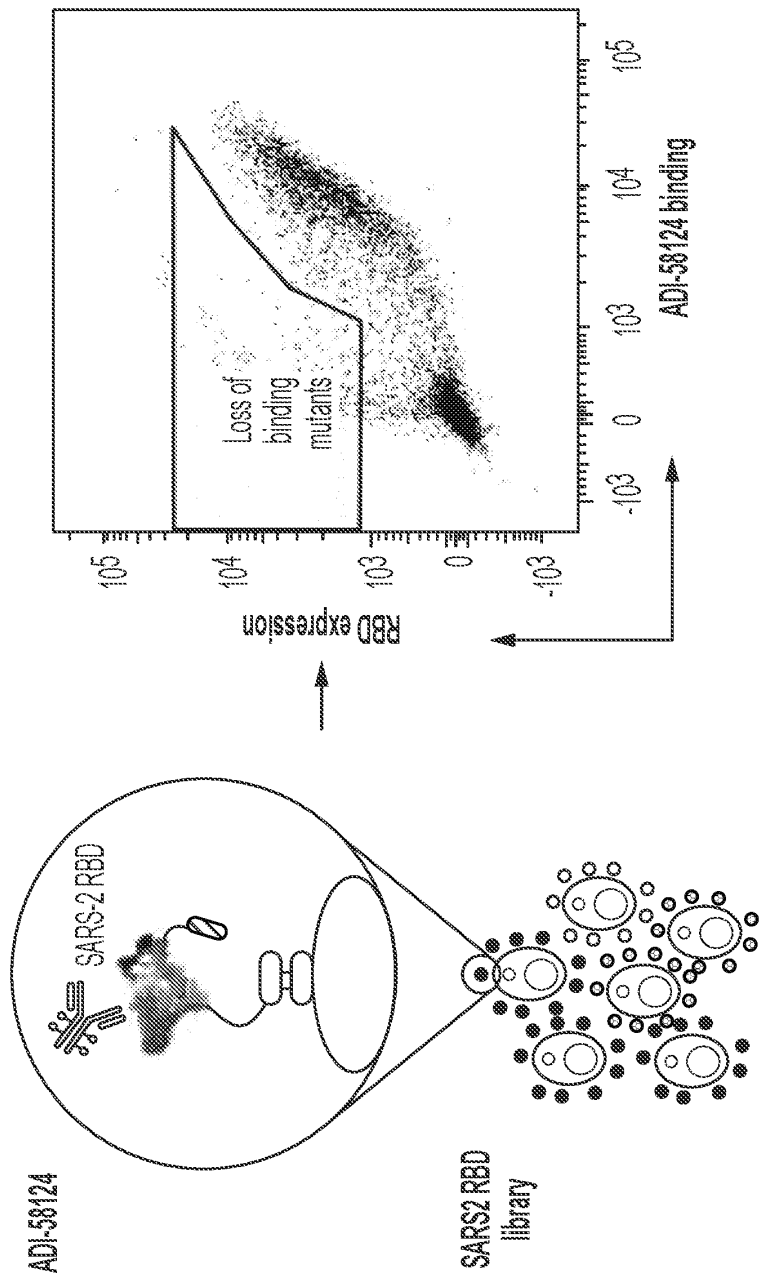


FIG. 41A

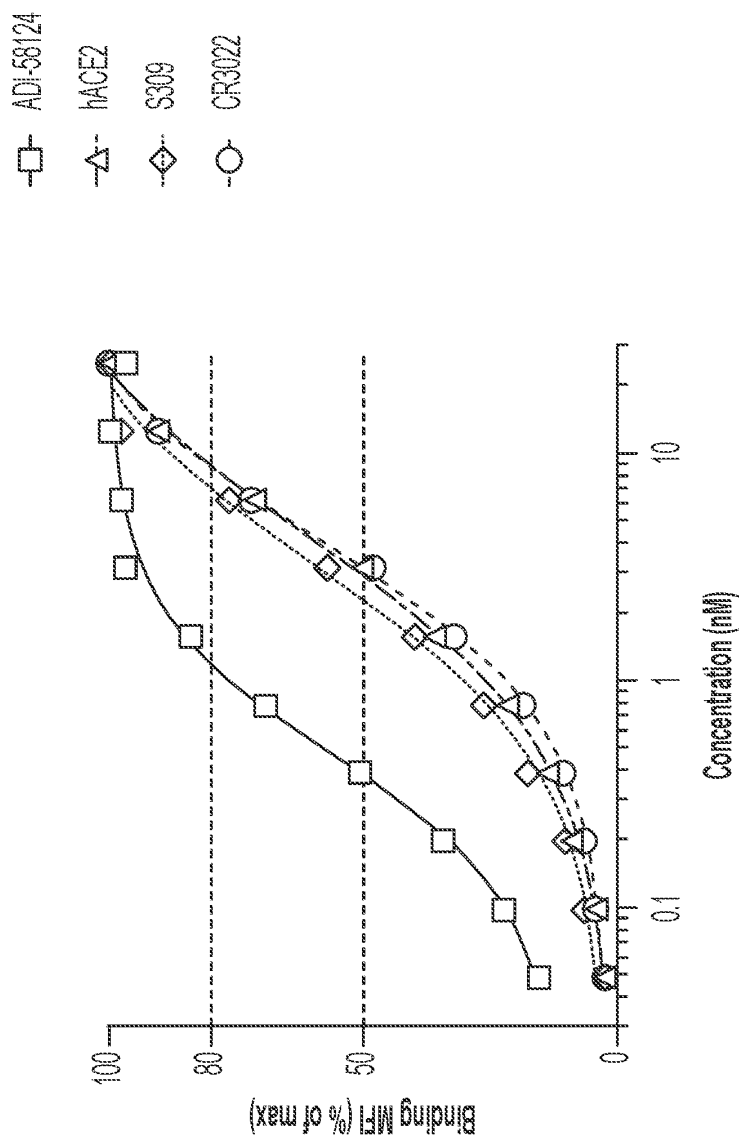


FIG. 41B

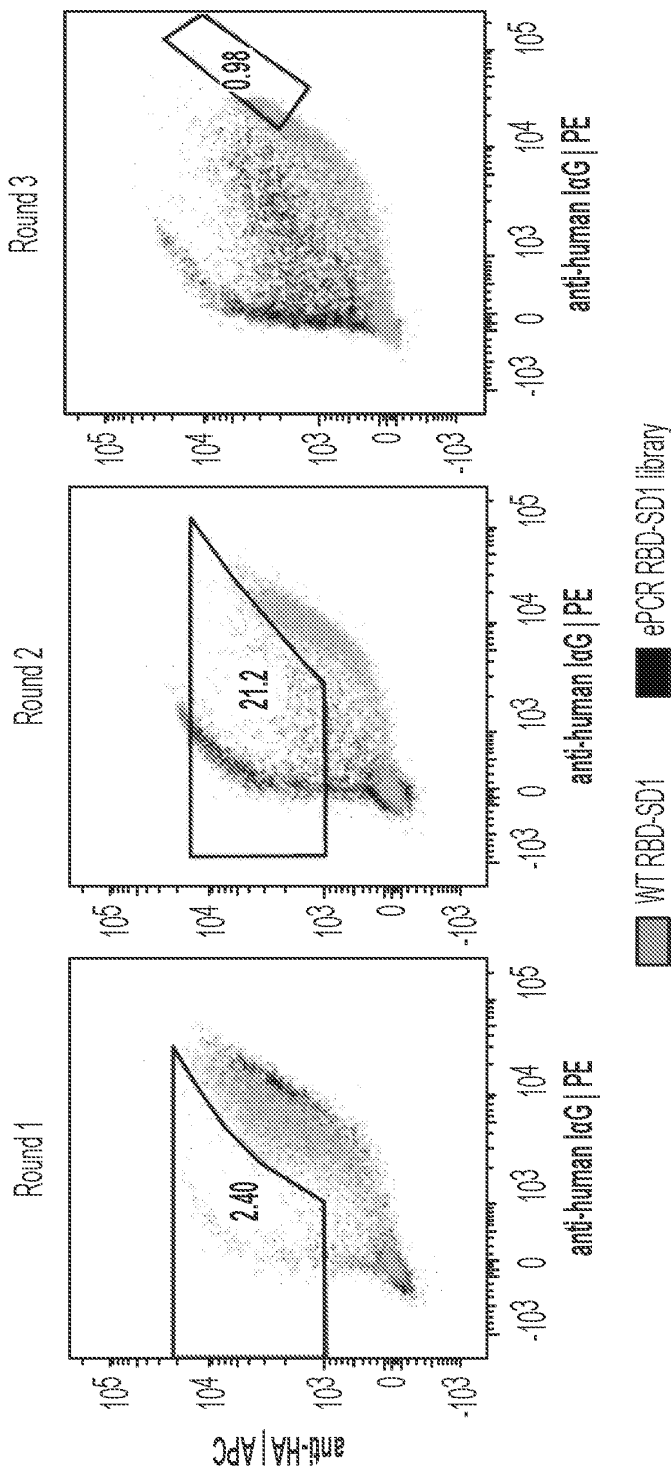


FIG. 41C

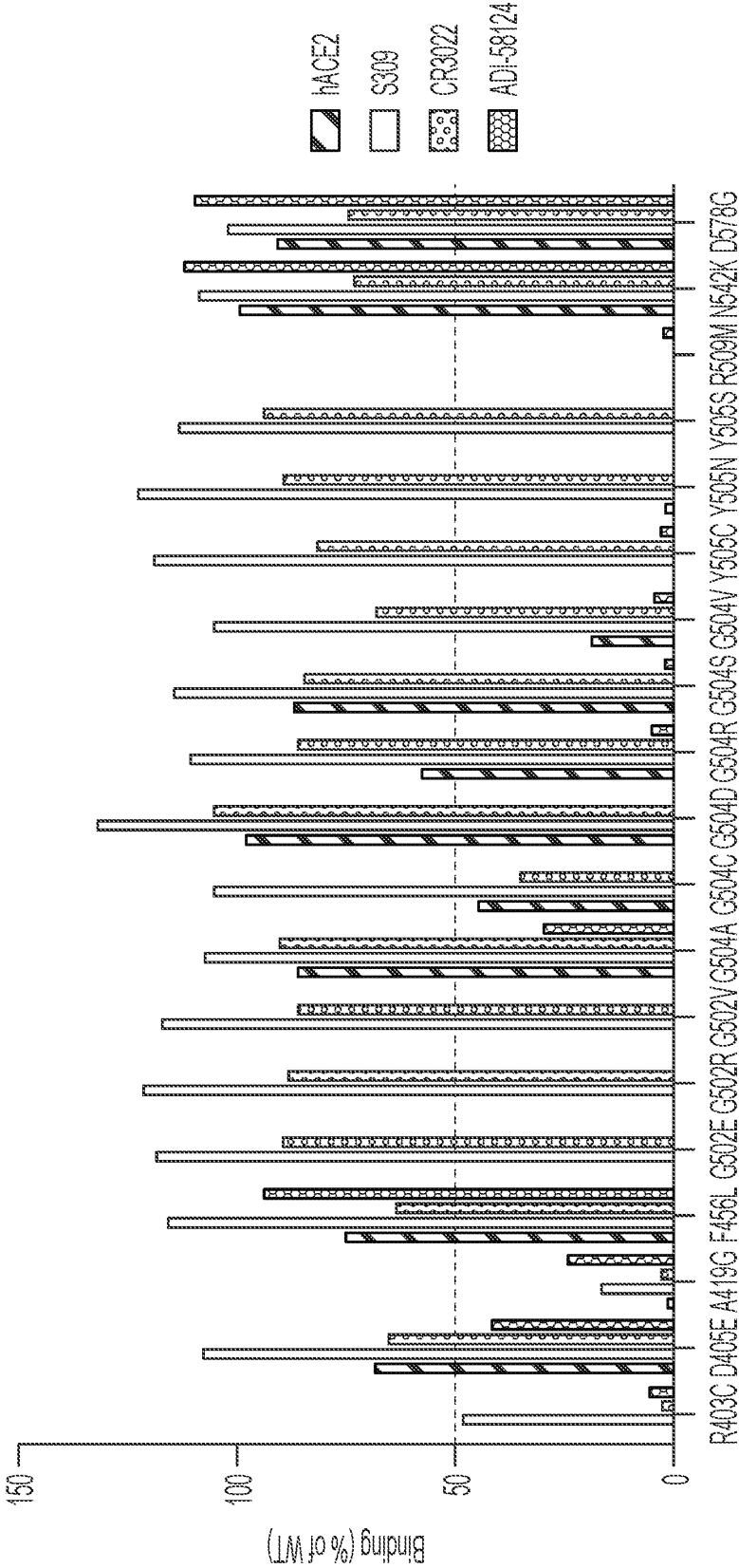


FIG. 41D

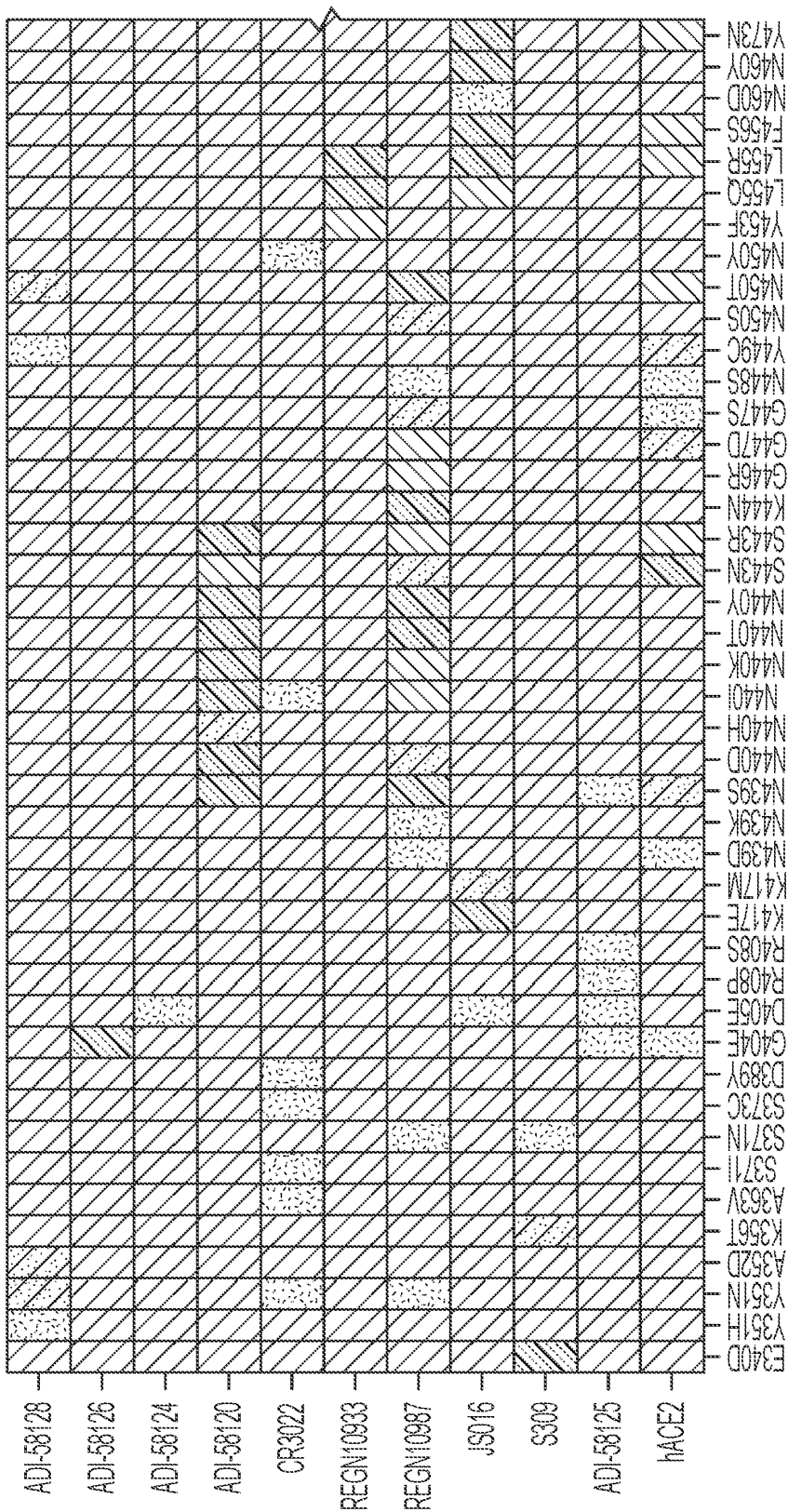


FIG. 41E

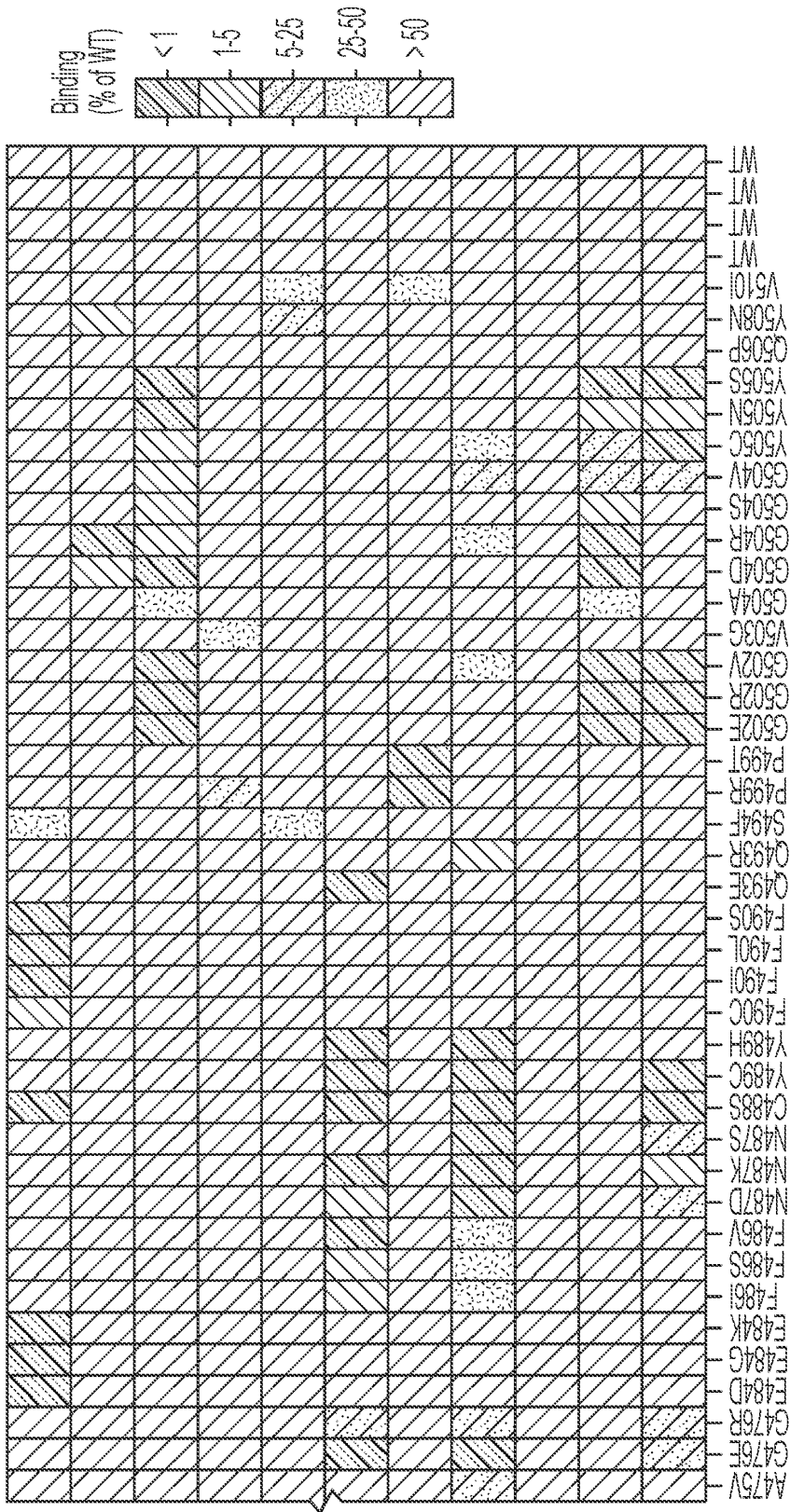


FIG. 41E CONTINUED

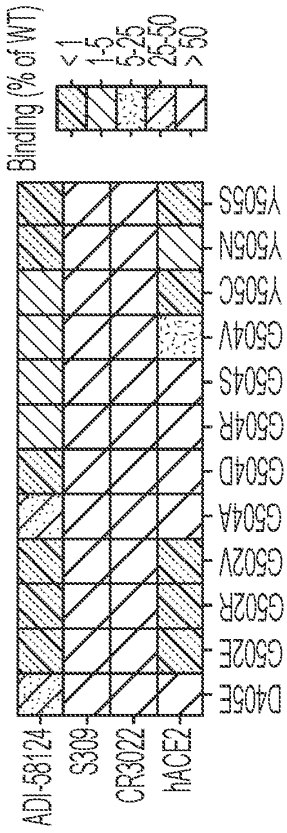
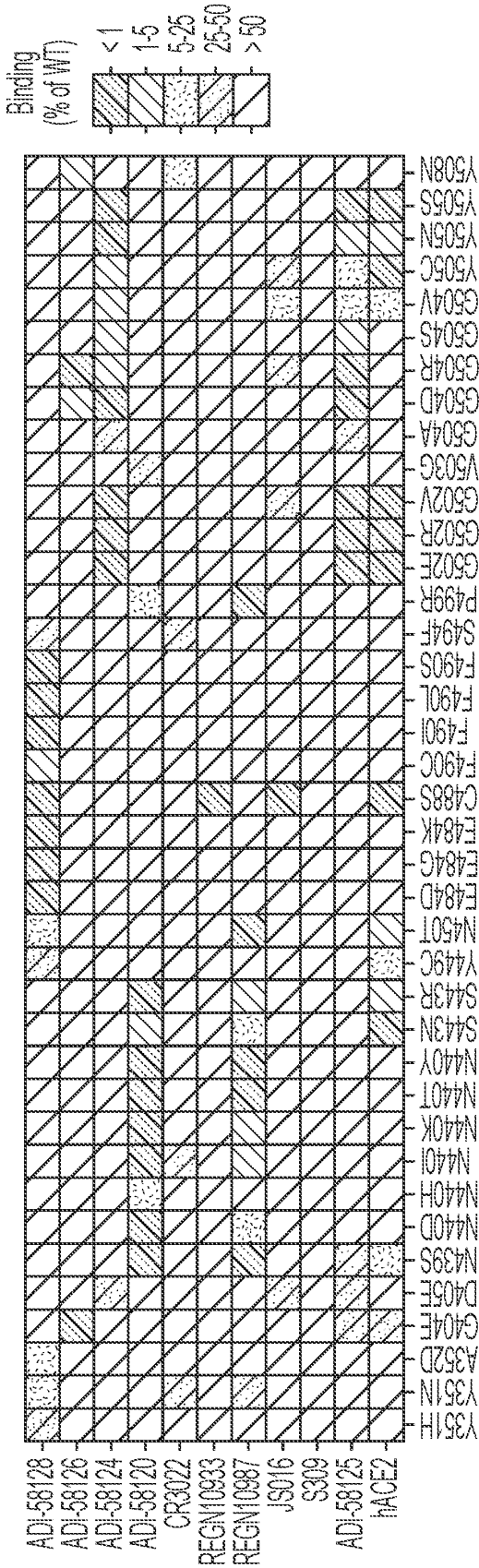


FIG. 41F

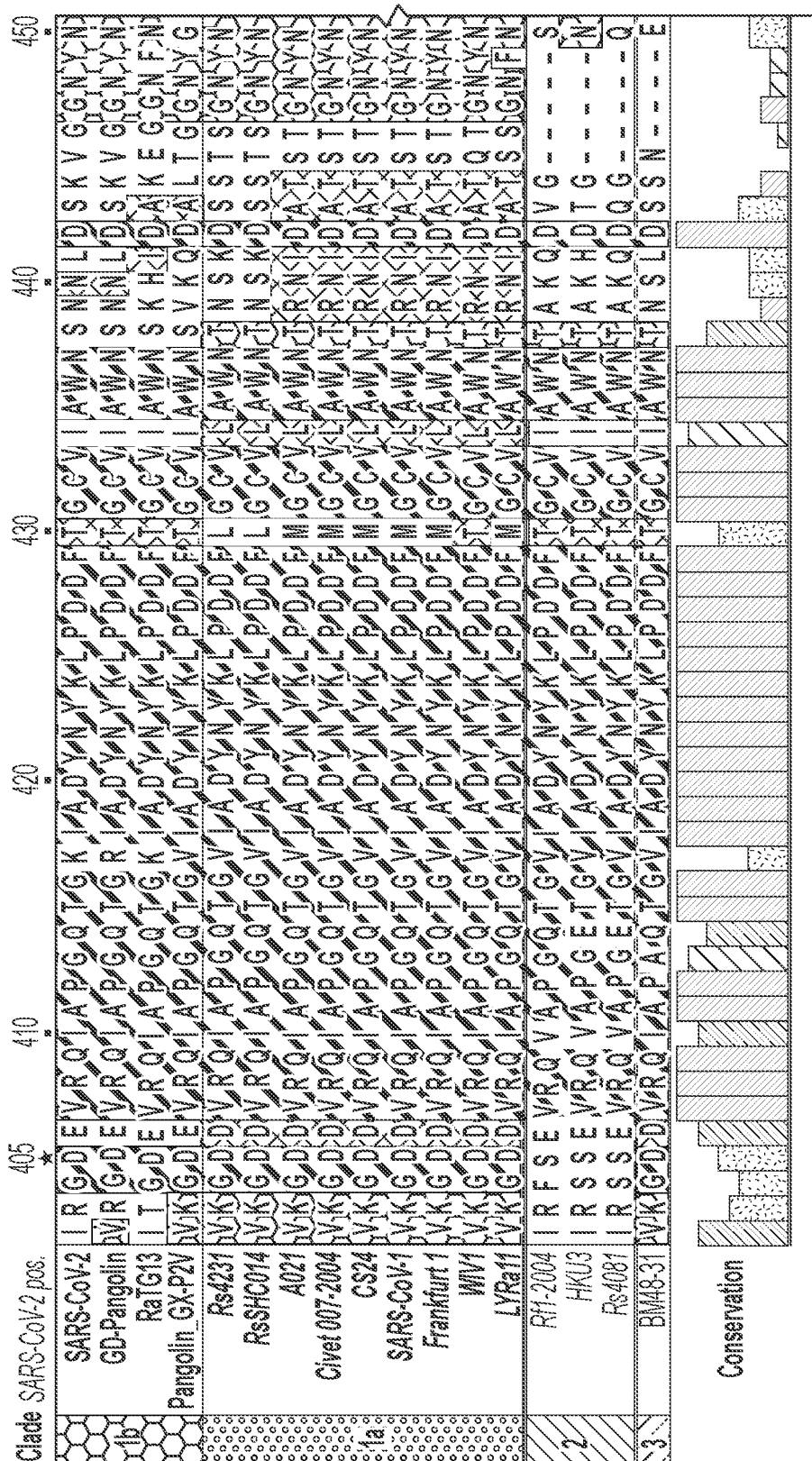
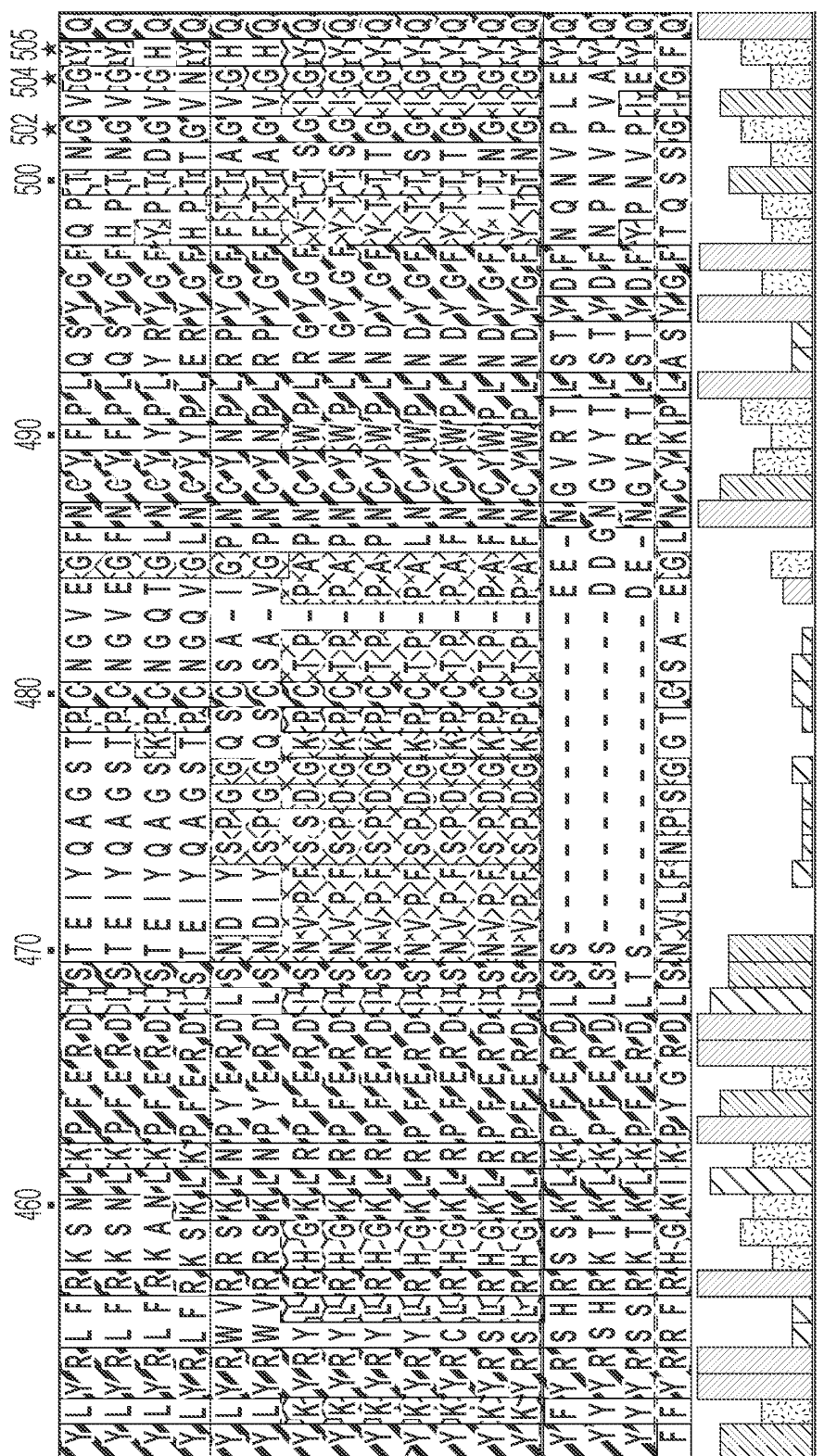


FIG. 41G



Received

FIG. 41G CONTINUED

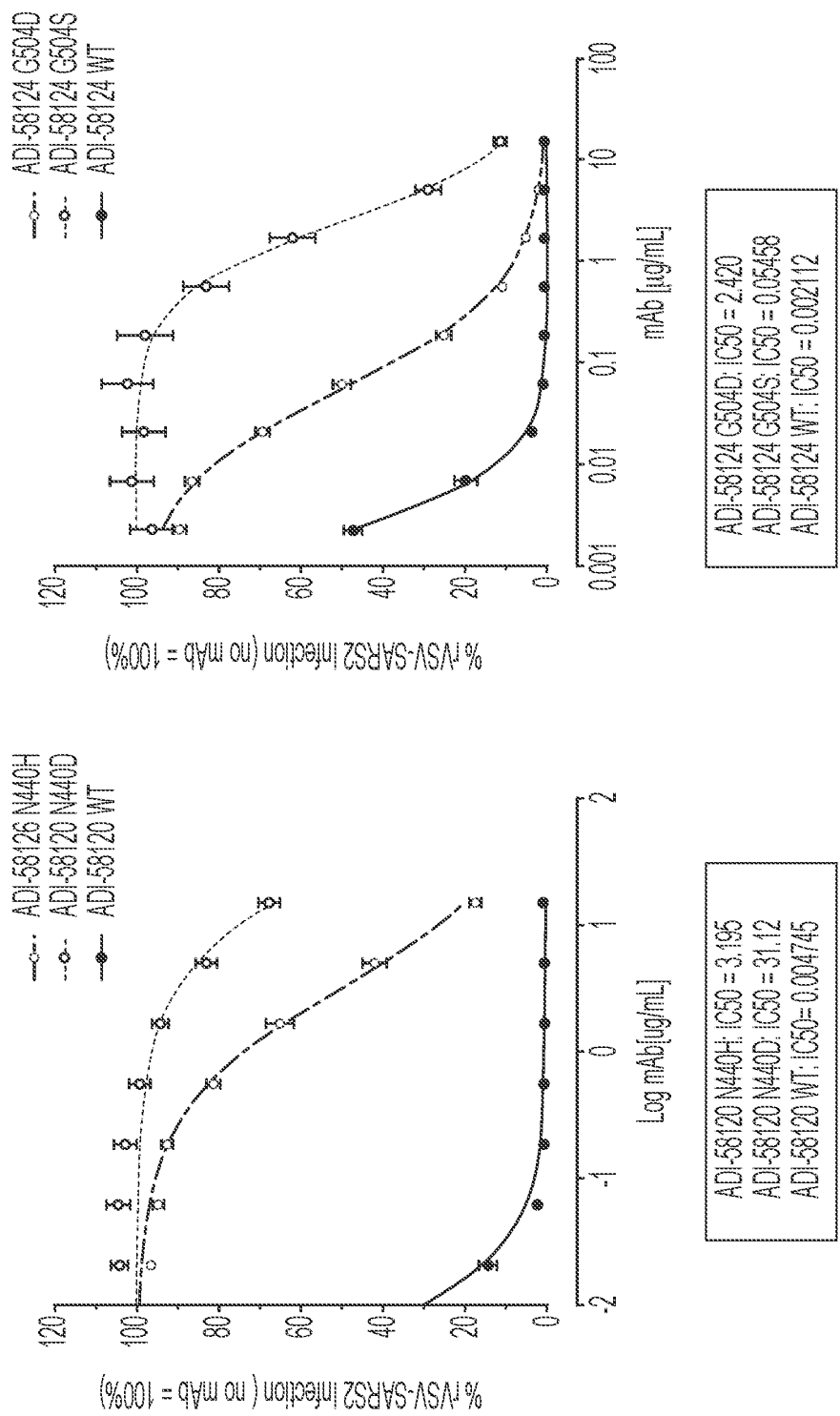


FIG. 41H

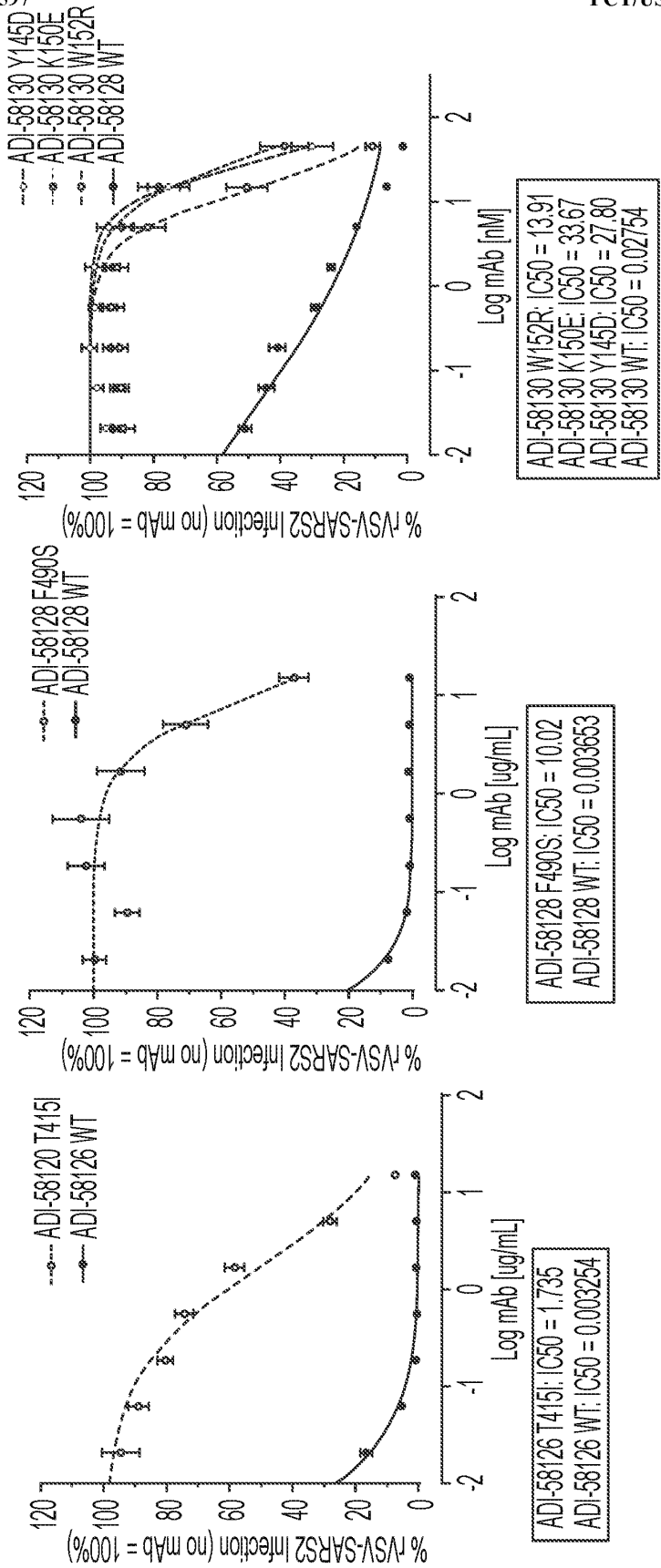


FIG. 41I

FIG. 41J

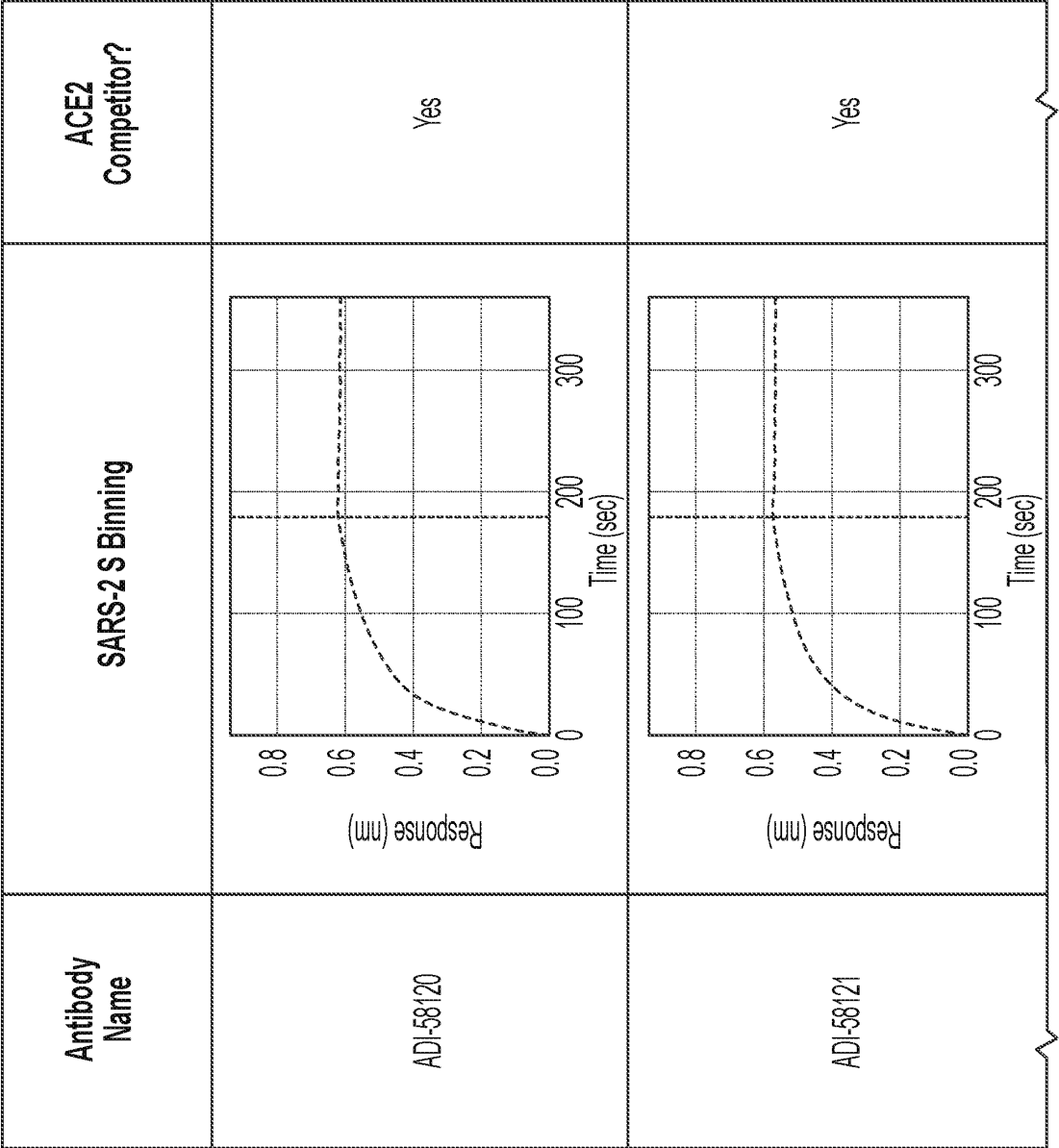


FIG. 42A

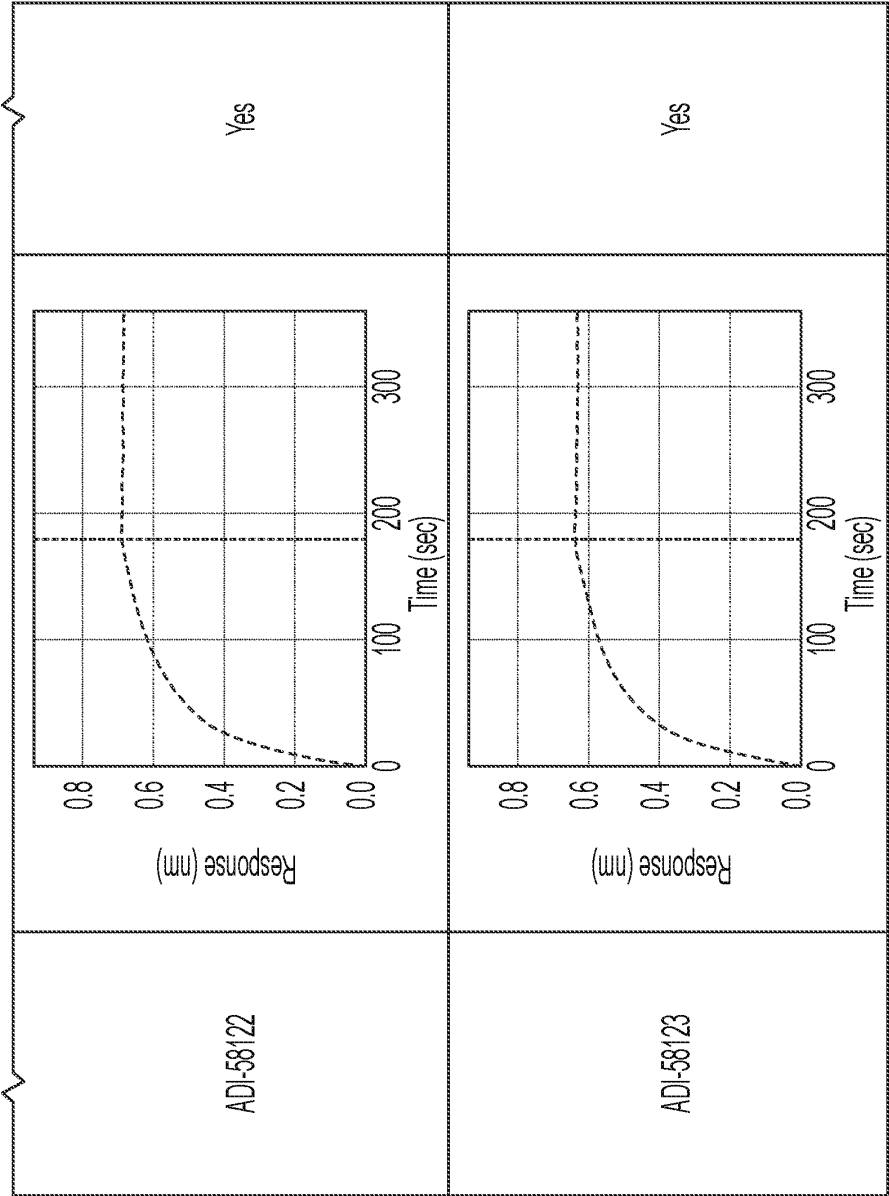


FIG. 42A CONTINUED

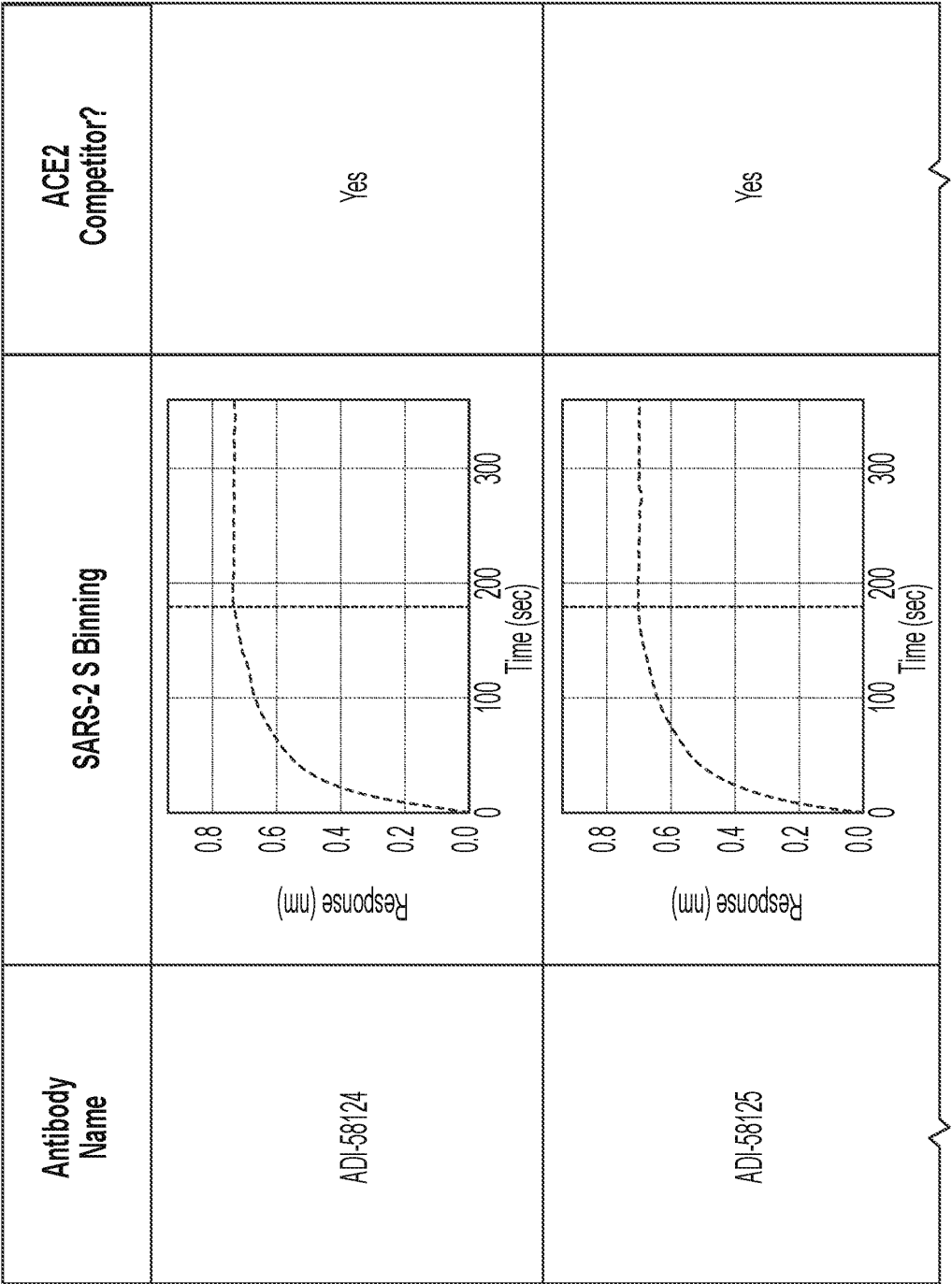


FIG. 42A CONTINUED

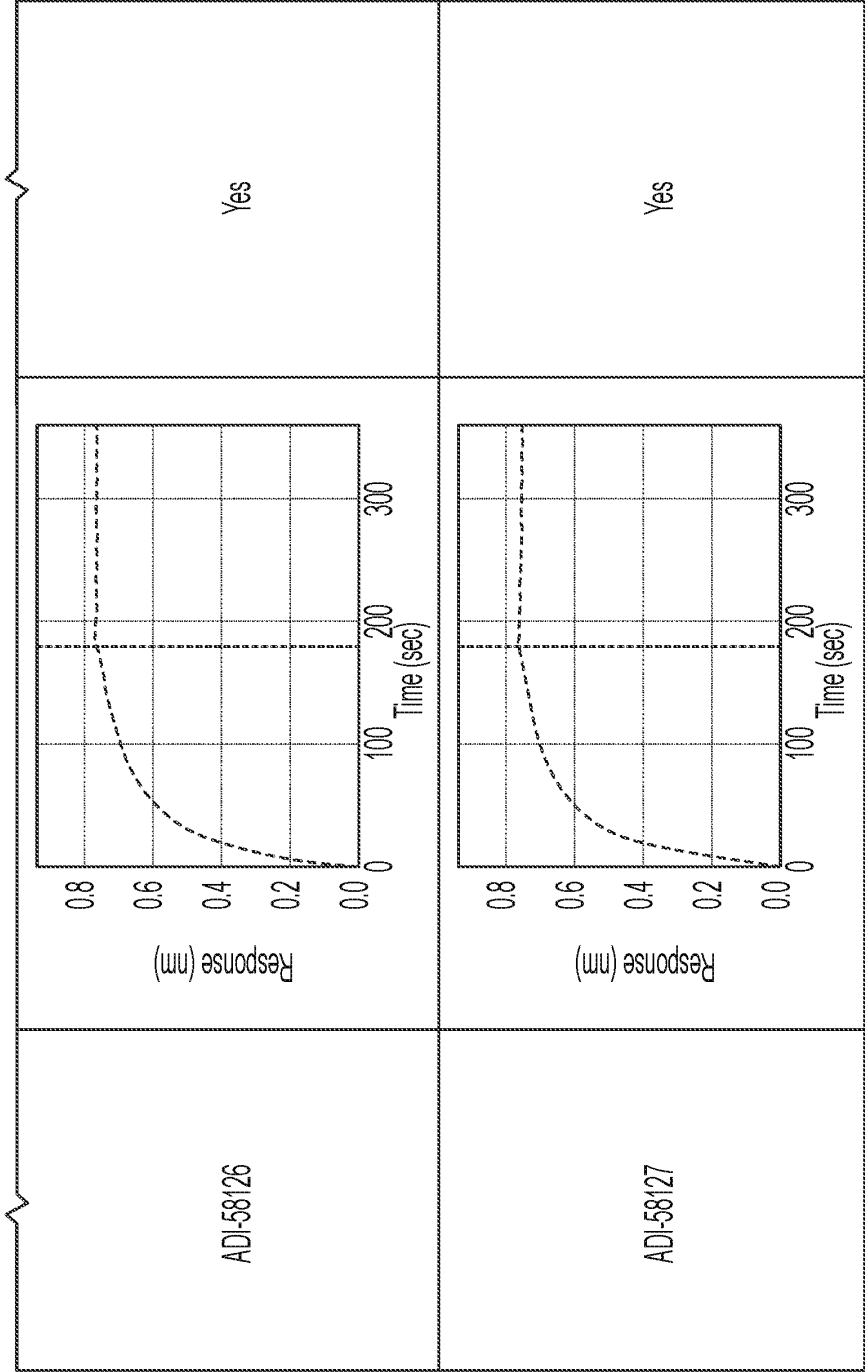


FIG. 42A CONTINUED

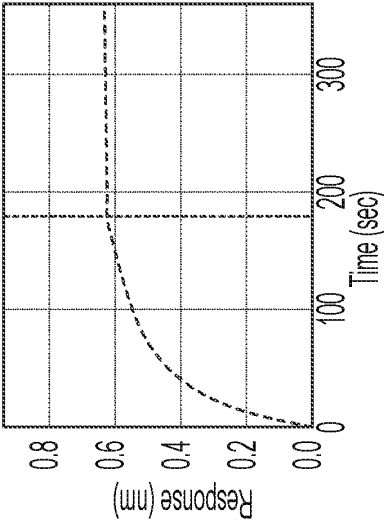
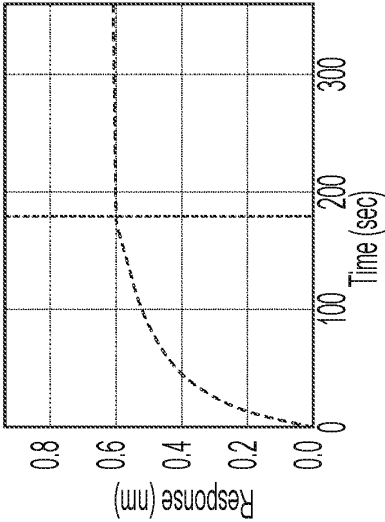
Antibody Name	SARS-2 S Binning	ACE2 Competitor?
ADI-58128		Yes
ADI-58129		Yes

FIG. 42B

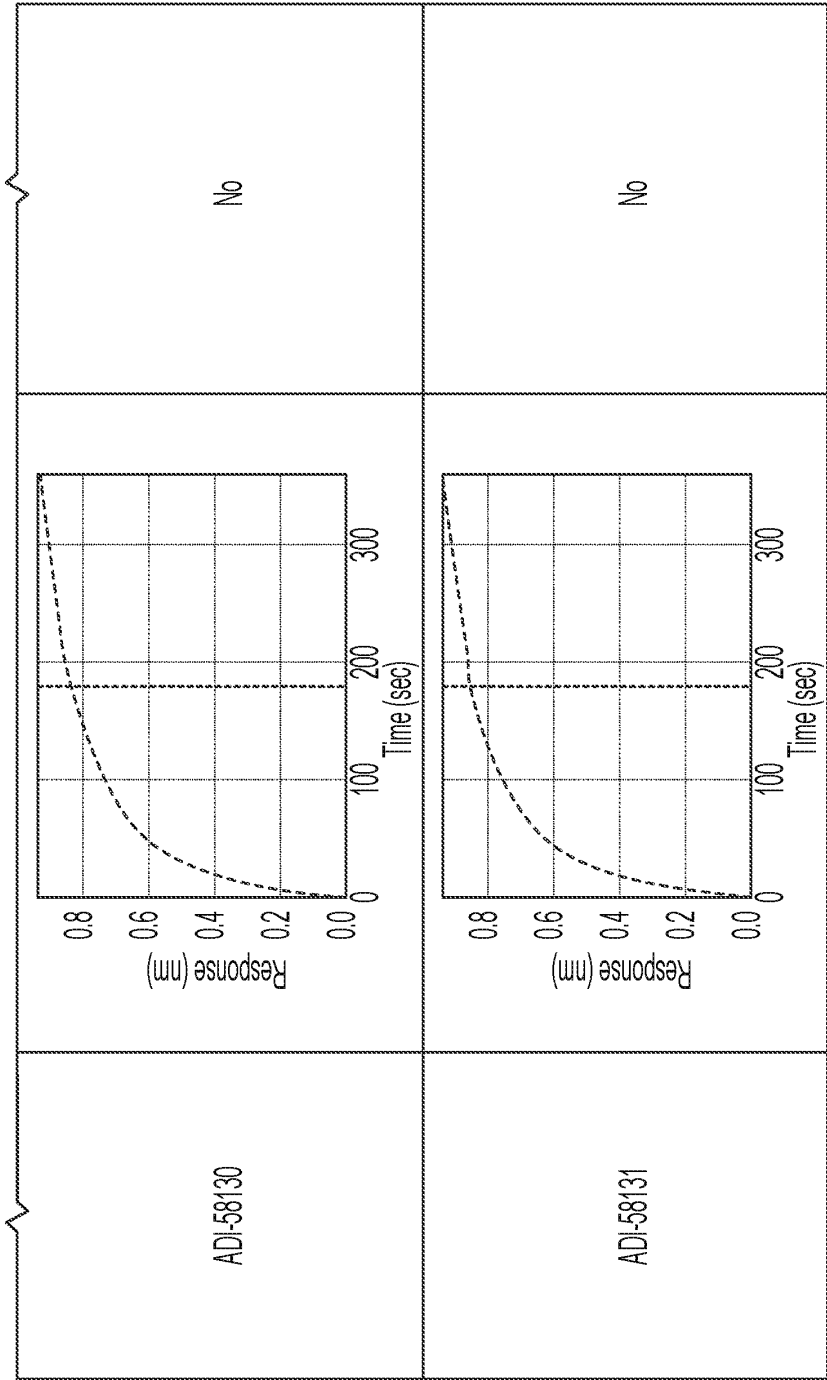


FIG. 42B CONTINUED

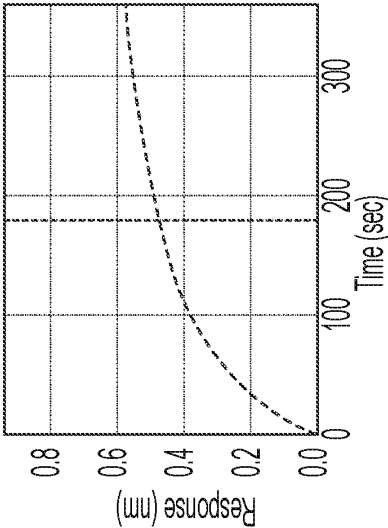
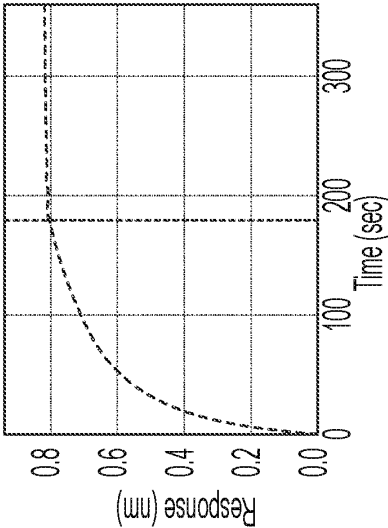
Antibody Name	SARS-2 S Binning	ACE2 Competitor?
S309		No
REGN10987		Yes

FIG. 42B CONTINUED

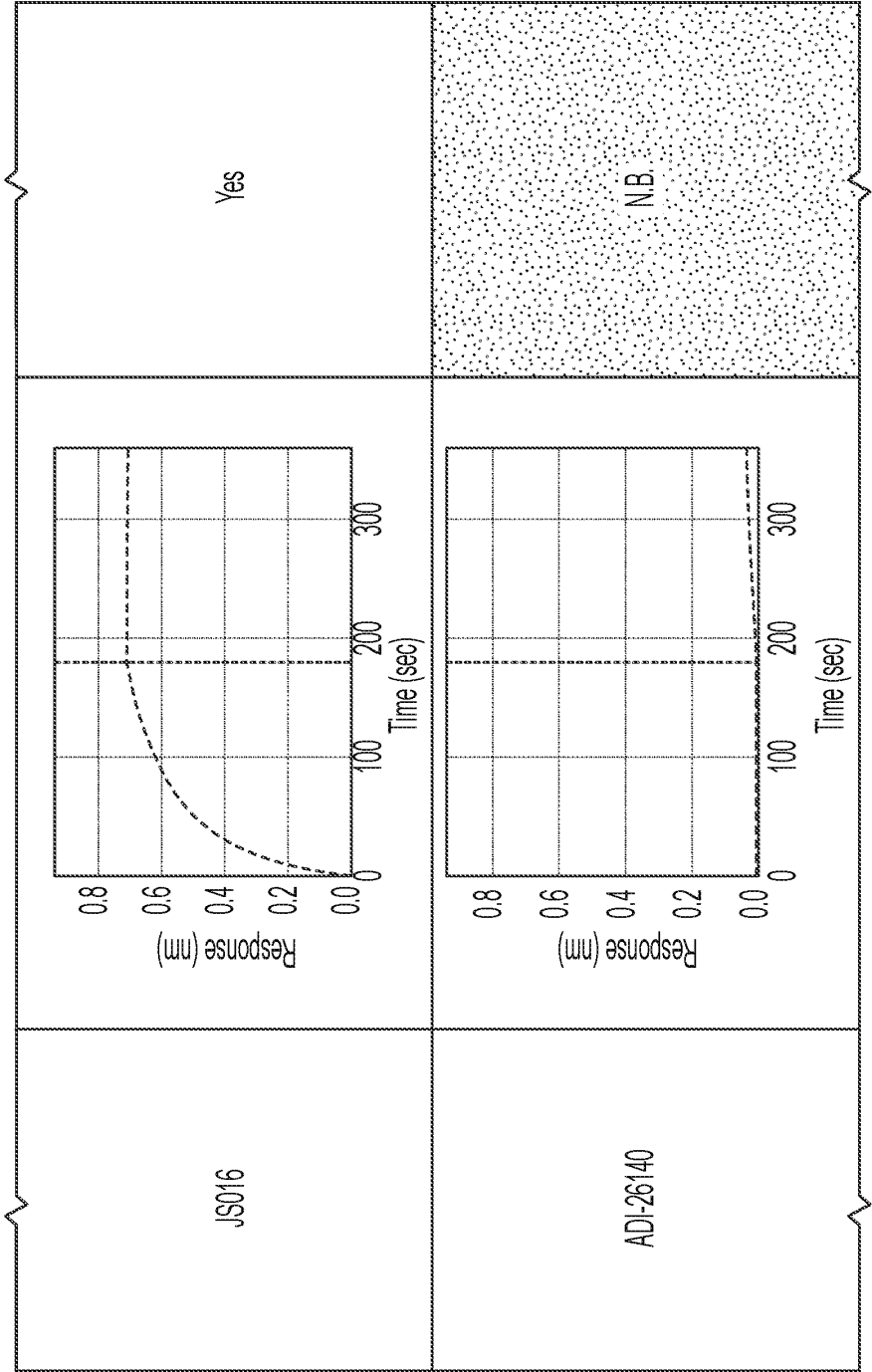


FIG. 42B CONTINUED

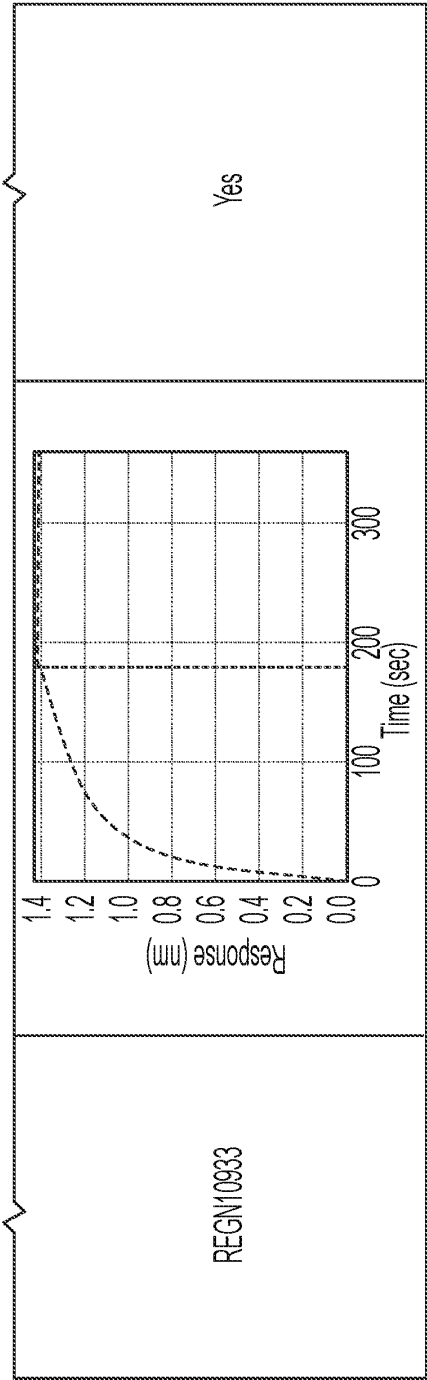


FIG. 42B CONTINUED

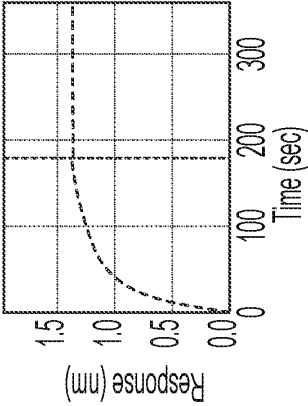
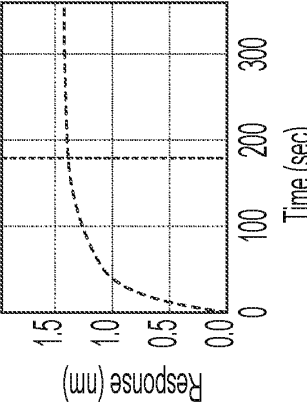
1st Antibody Name	2st Antibody Name	Image	Competitor?
REGN10933	REGN10933		Yes
JS016	REGN10933		Yes

FIG. 42C

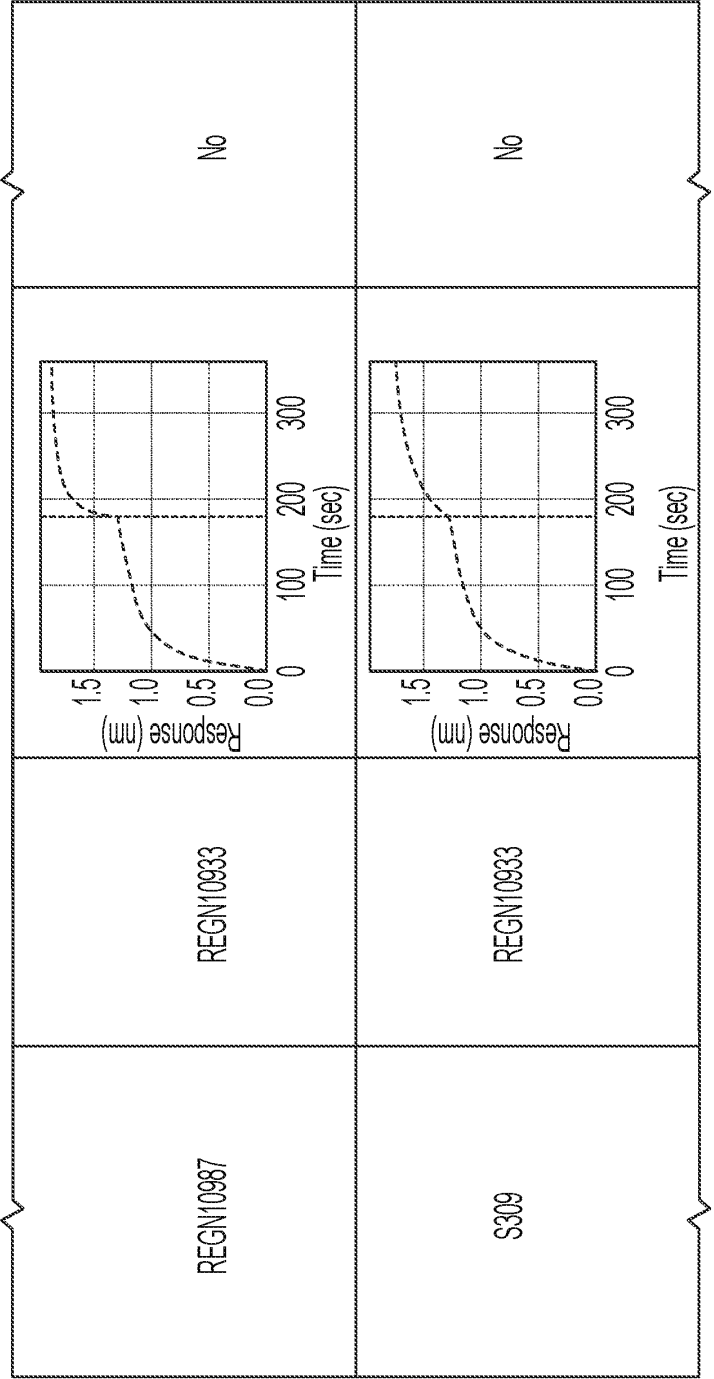


FIG. 42C CONTINUED

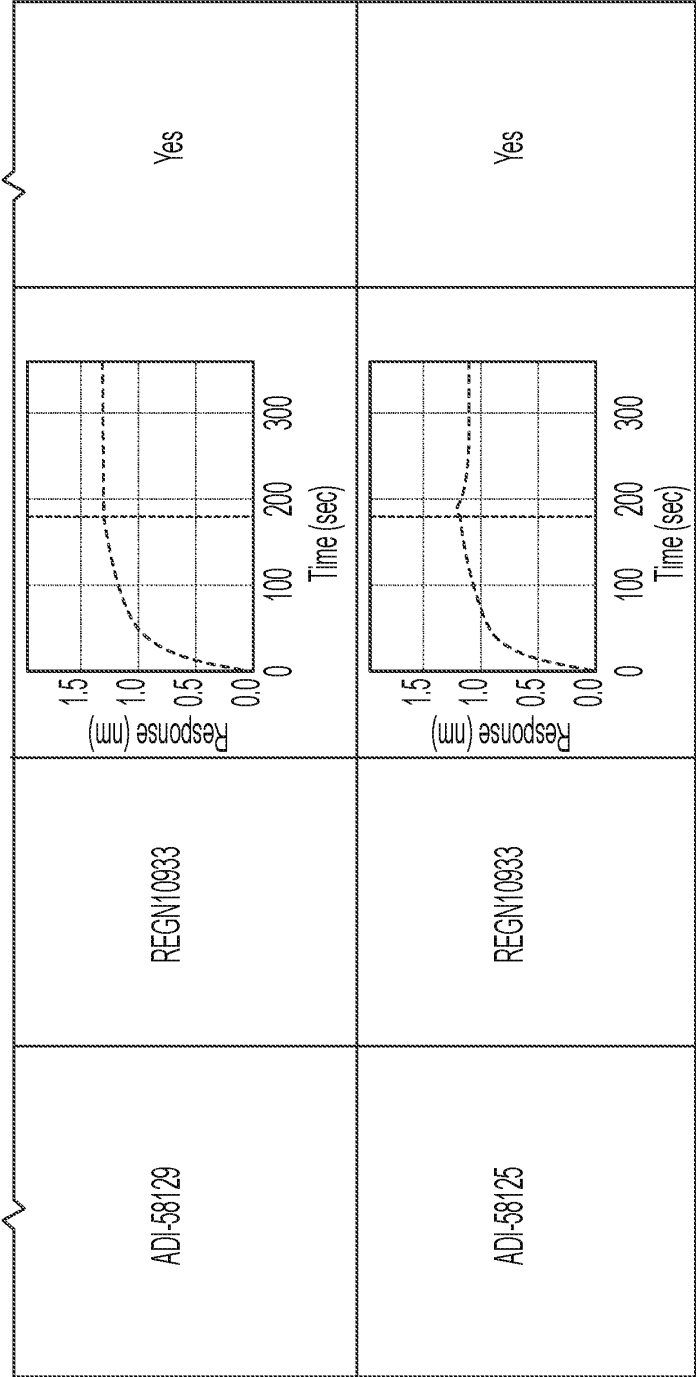


FIG. 42C CONTINUED

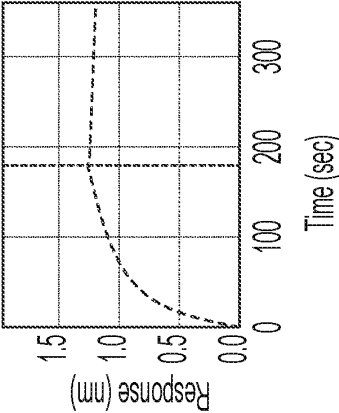
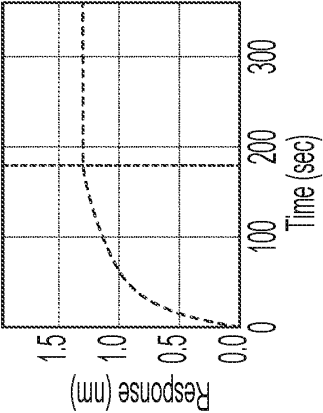
1st Antibody Name	2st Antibody Name	Image	Competitor?
REGN10933	JS016		Yes
JS016	JS016		Yes

FIG. 42C CONTINUED

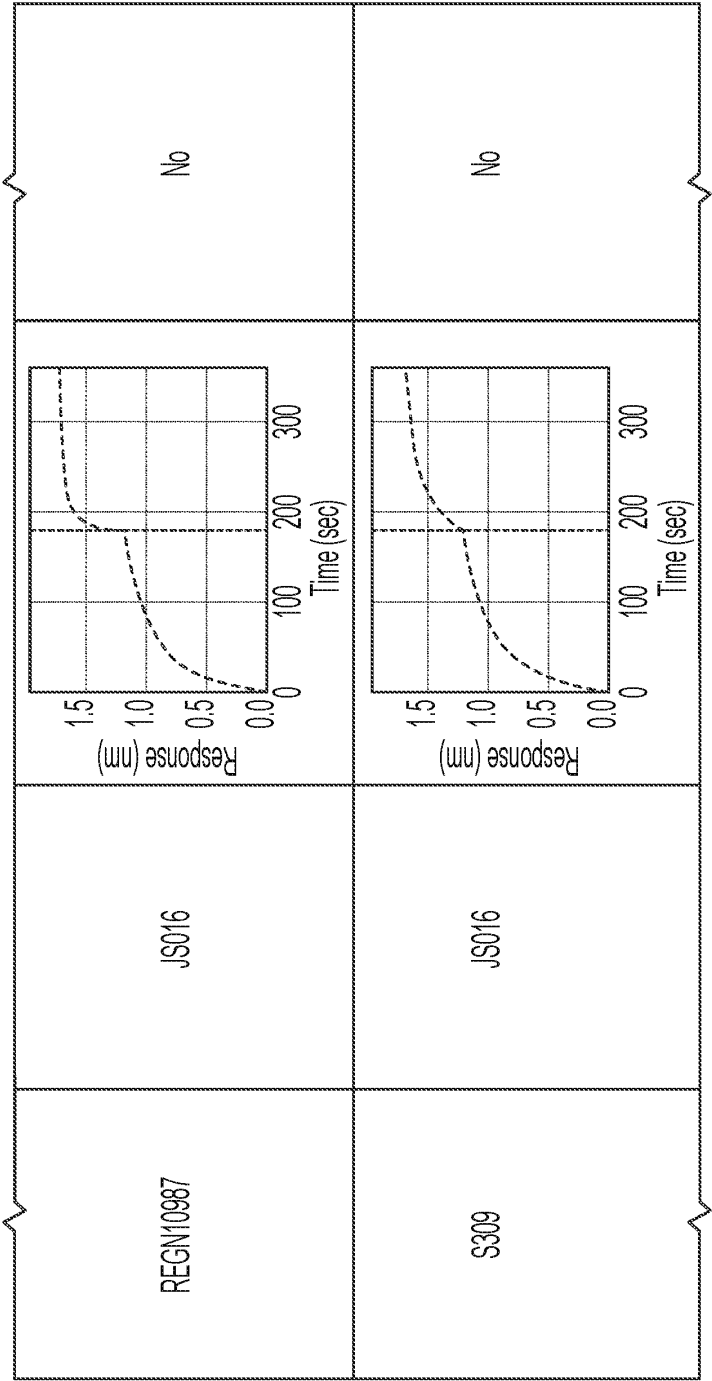


FIG. 42C CONTINUED

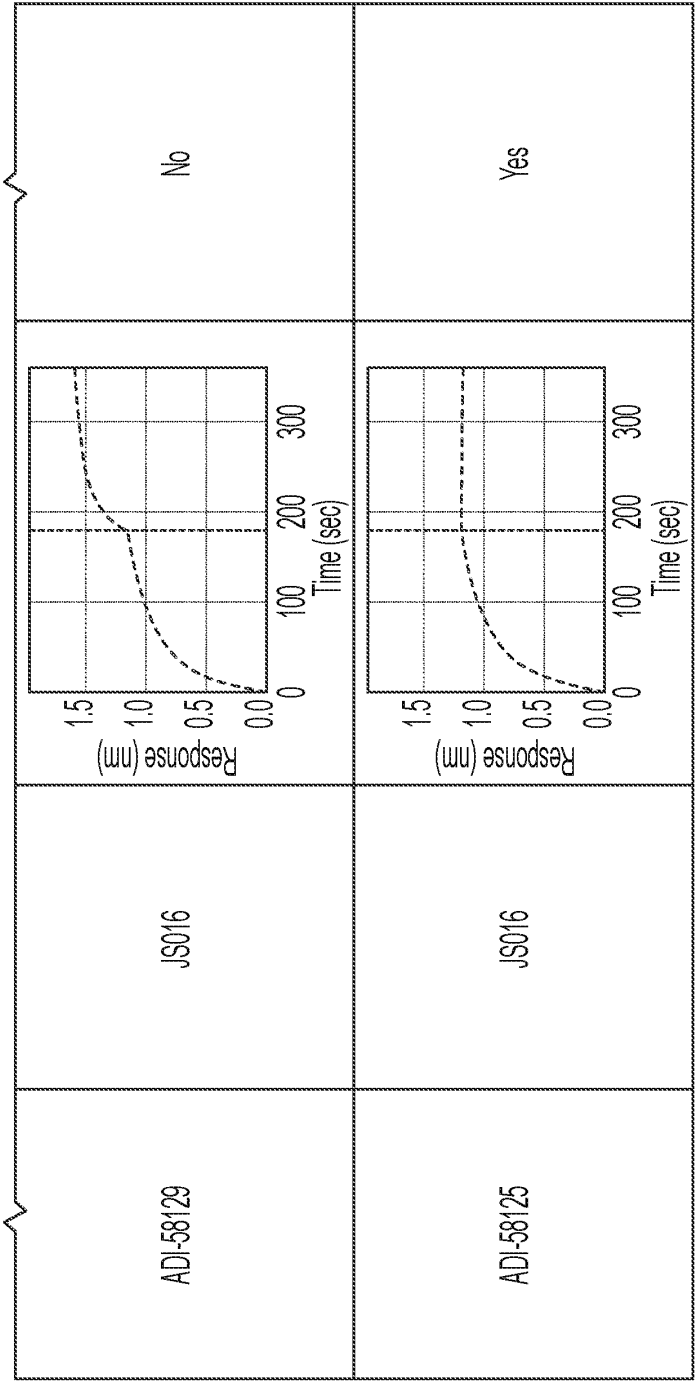


FIG. 42C CONTINUED

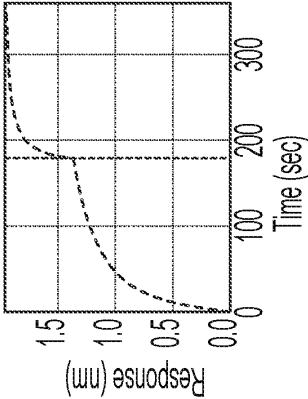
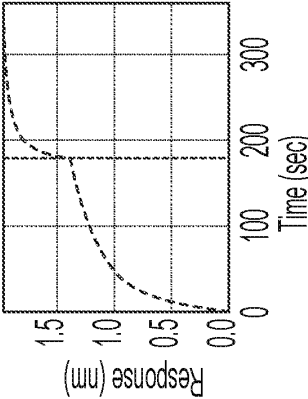
1st Antibody Name	2nd Antibody Name	Image	Competitor?
REGN10933	REGN10987		No
JS016	REGN10987		No

FIG. 42D

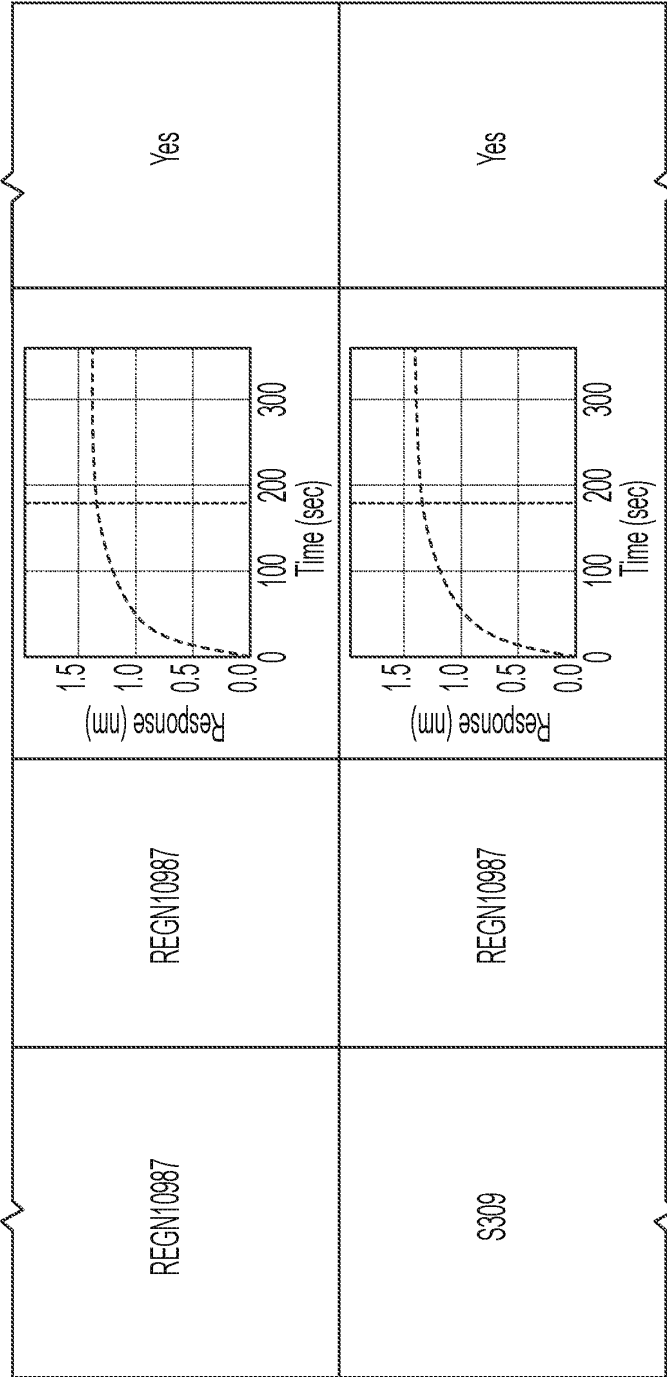


FIG. 42D CONTINUED

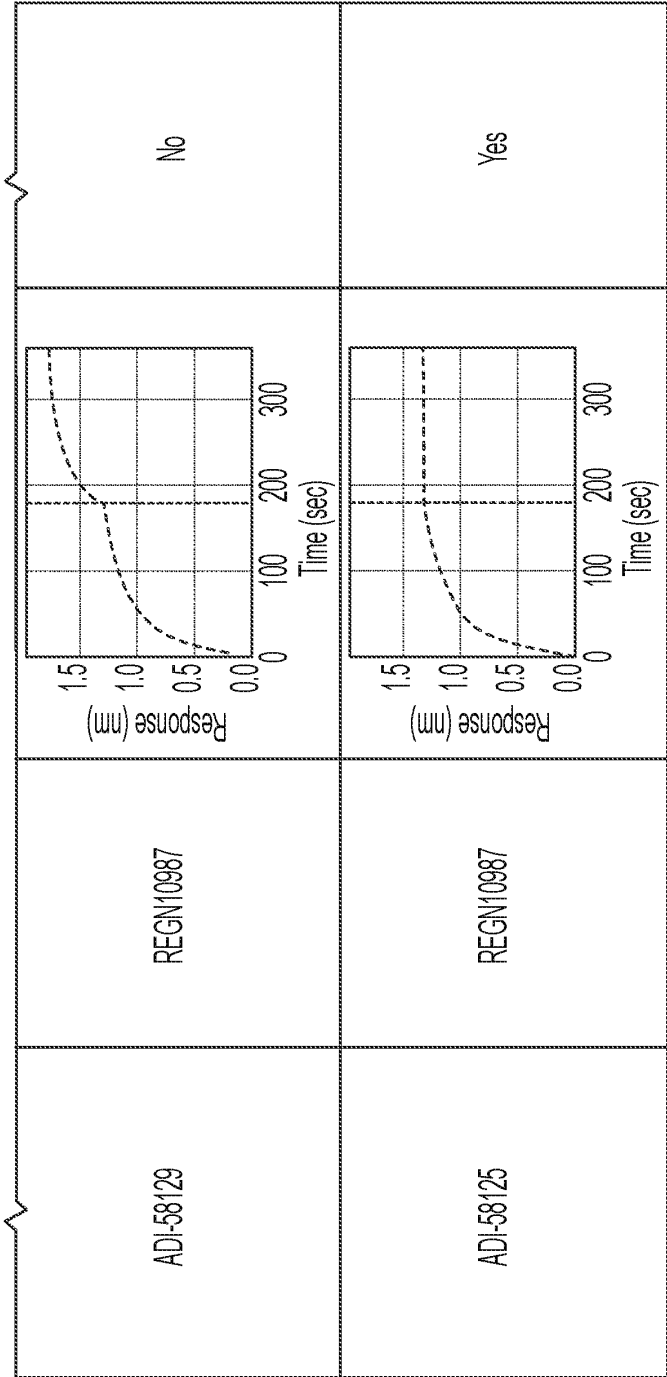


FIG. 42D CONTINUED

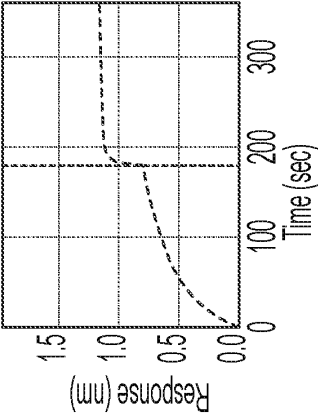
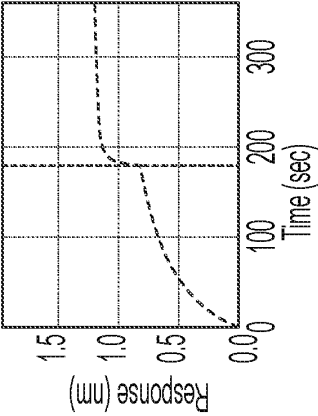
1st Antibody Name	2st Antibody Name	Image	Competitor?
REGN10933	S309		No
JS016	S309		No

FIG. 42D CONTINUED

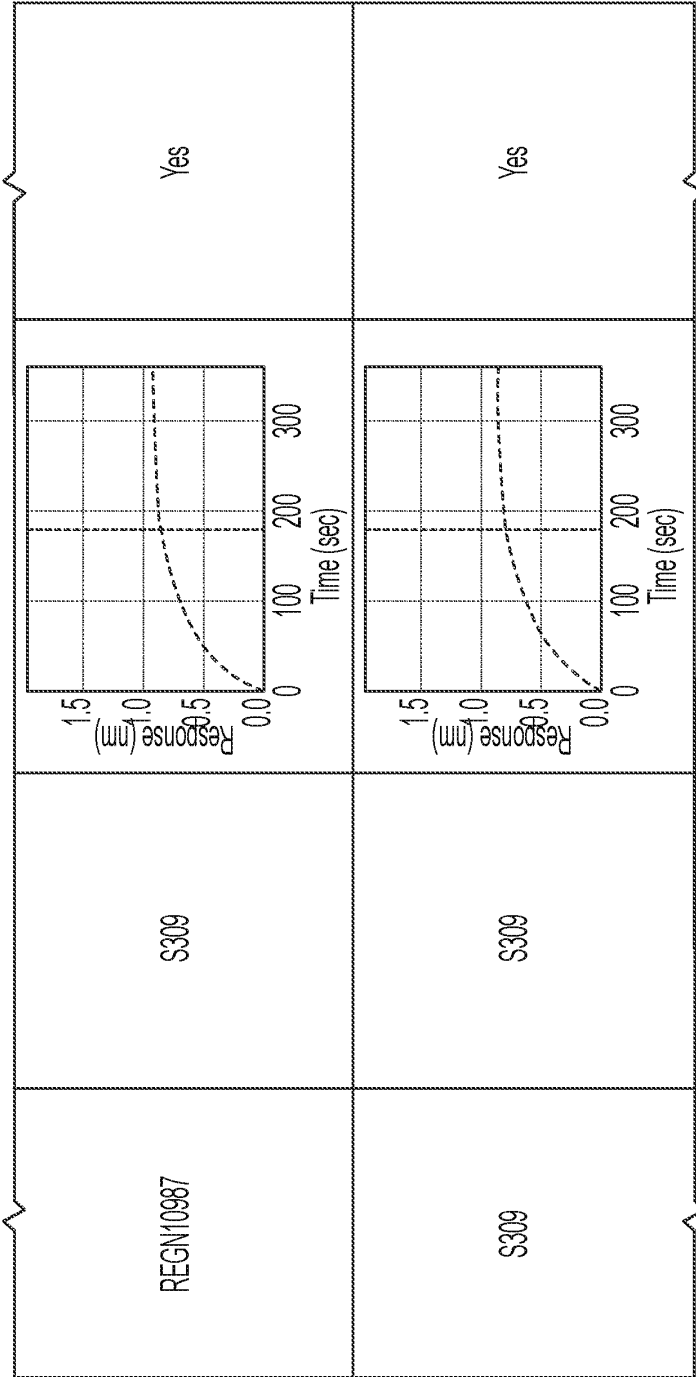


FIG. 42D CONTINUED

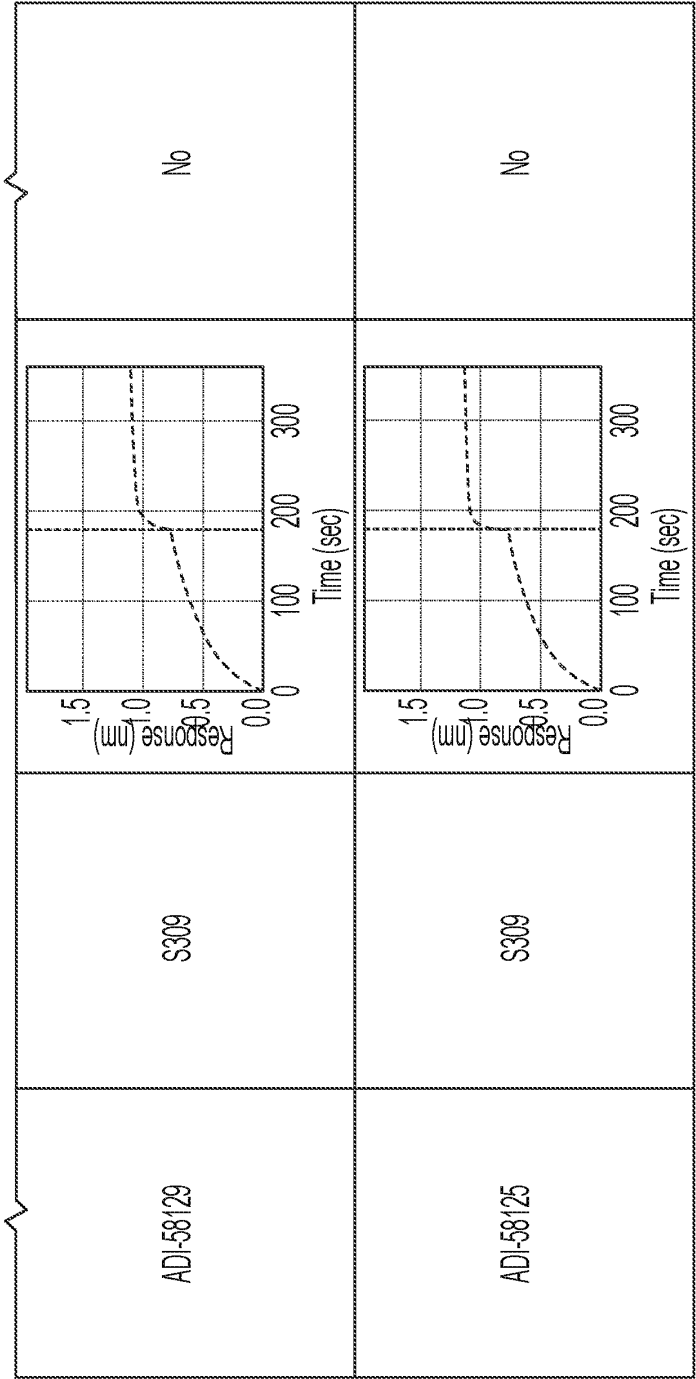


FIG. 42D CONTINUED

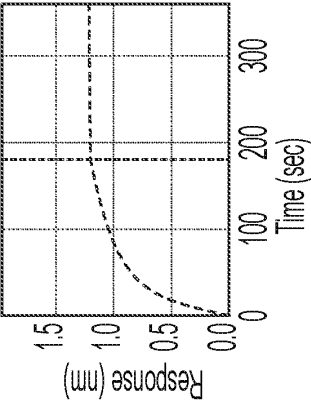
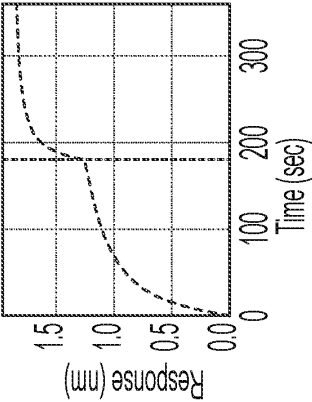
1st Antibody Name	2st Antibody Name	Image	Competitor?
REGN10933	ADI-58129		Yes
JS016	ADI-58129		No

FIG. 42E

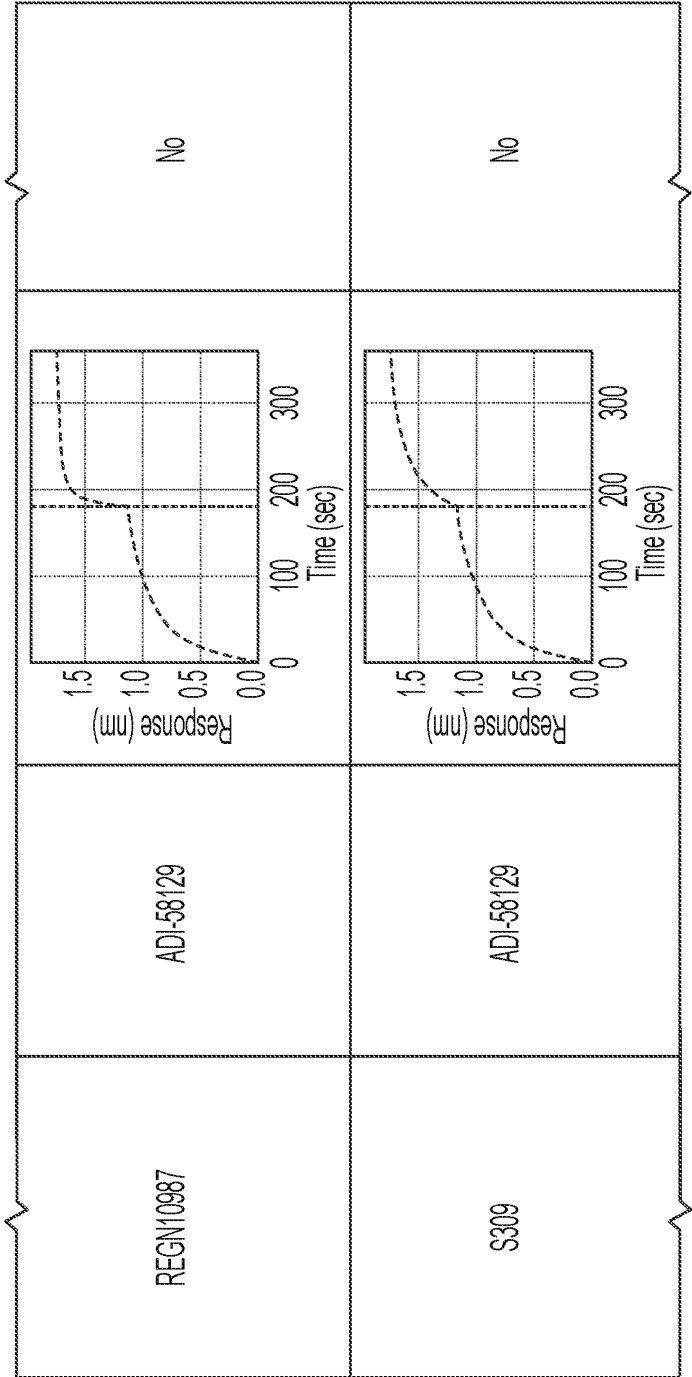


FIG. 42E CONTINUED

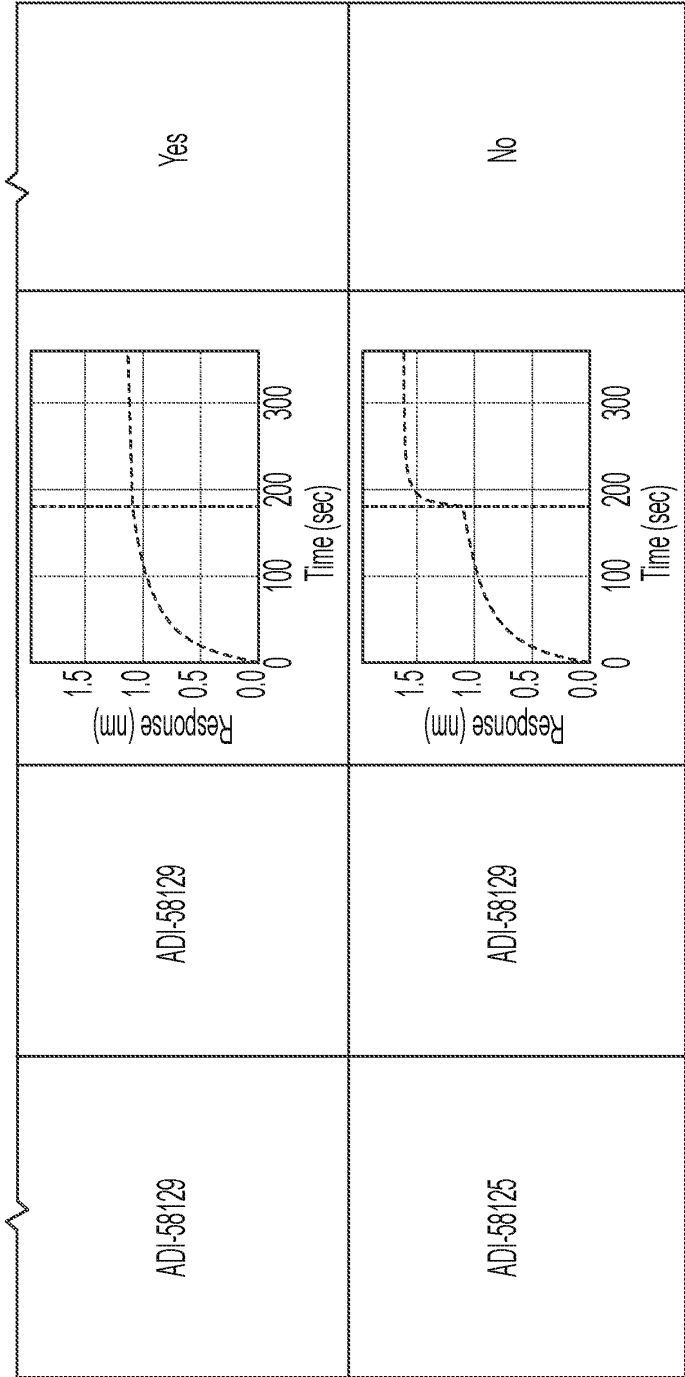


FIG. 42E CONTINUED

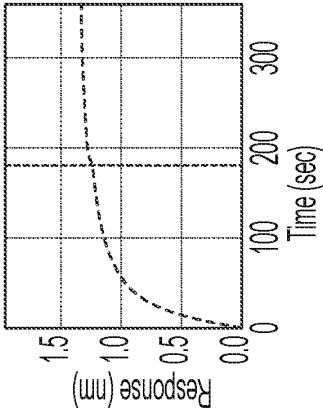
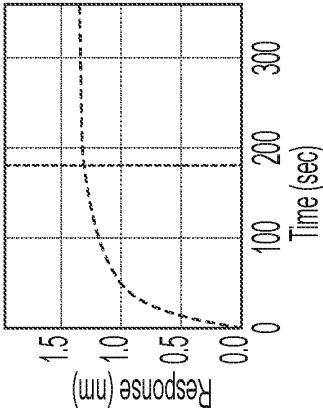
1st Antibody Name	2st Antibody Name	Image	Competitor?
REGN10933	ADI-58125		Yes
JS016	ADI-58125		Yes

FIG. 42E CONTINUED

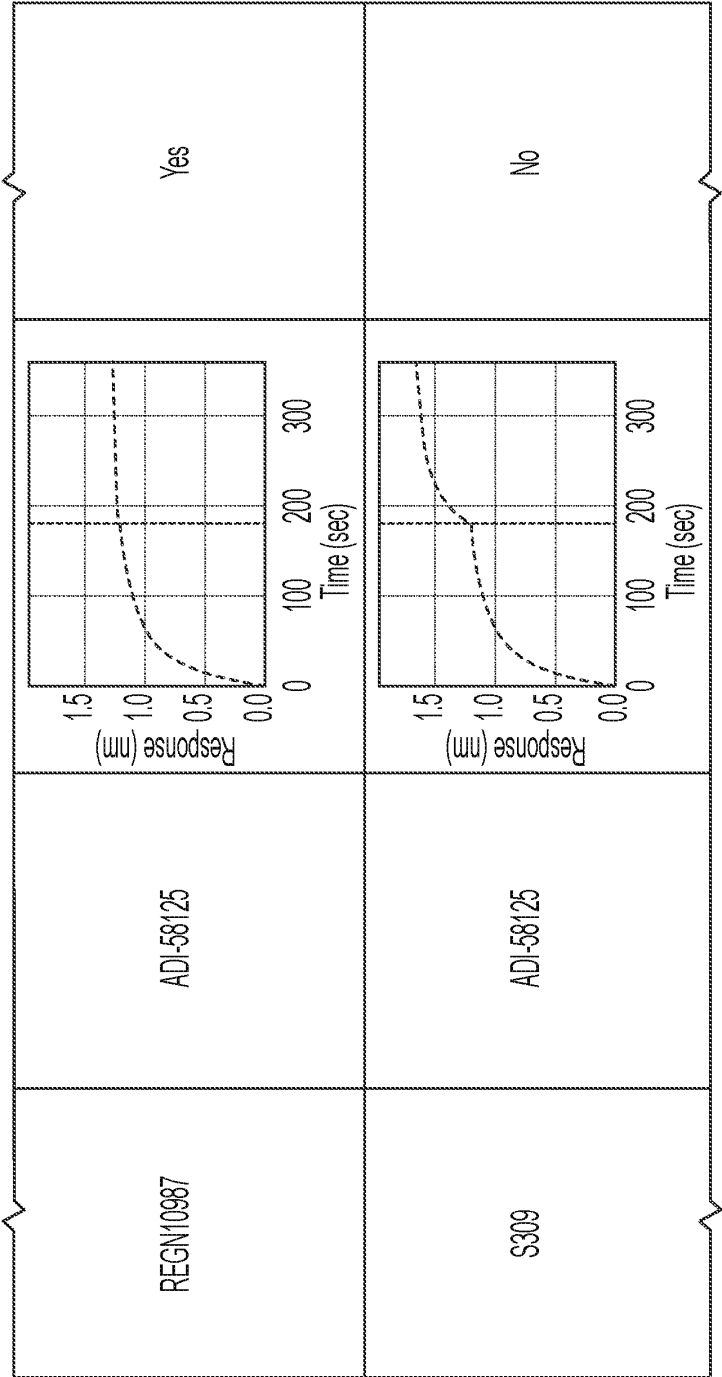


FIG. 42E CONTINUED

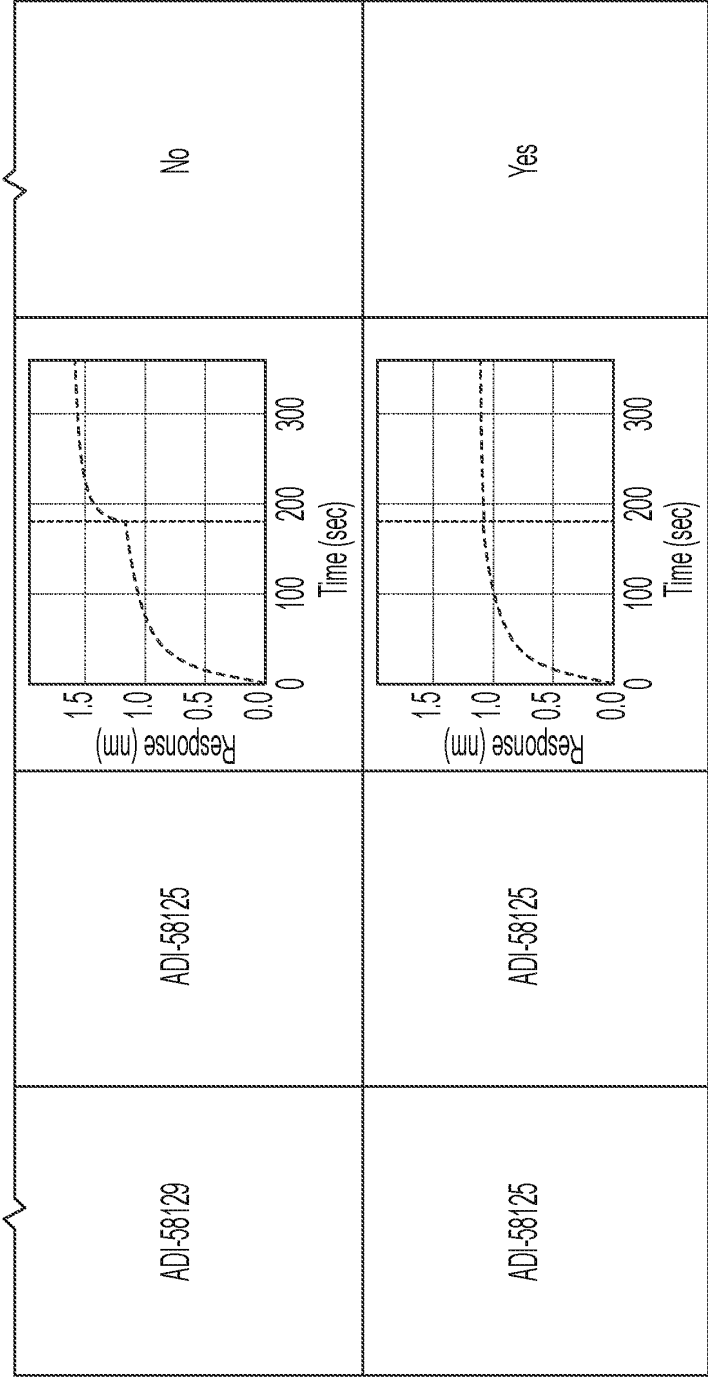


FIG. 42E CONTINUED

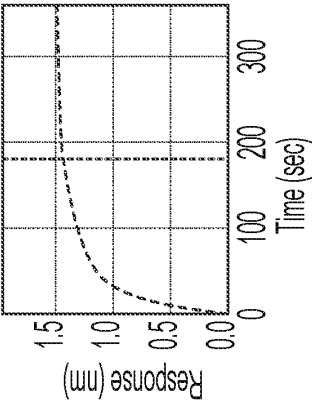
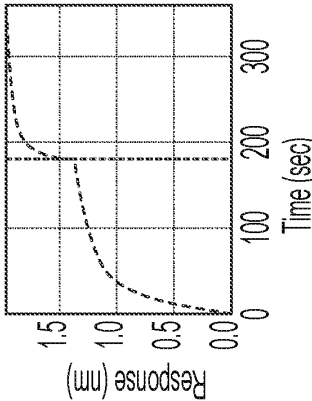
1st Antibody Name	2st Antibody Name	Image	Competitor?
JS016	ADI-58126		Yes
REGN10933	ADI-58126		No

FIG. 42F

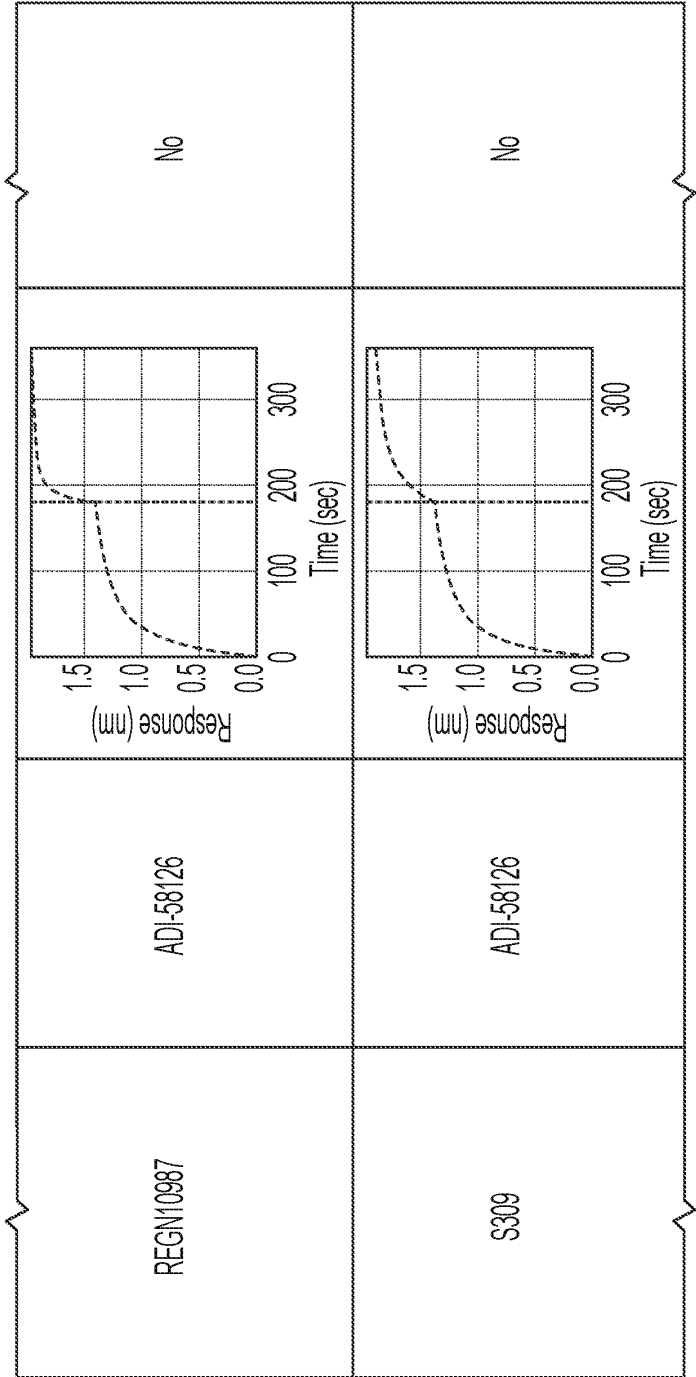


FIG. 42F CONTINUED

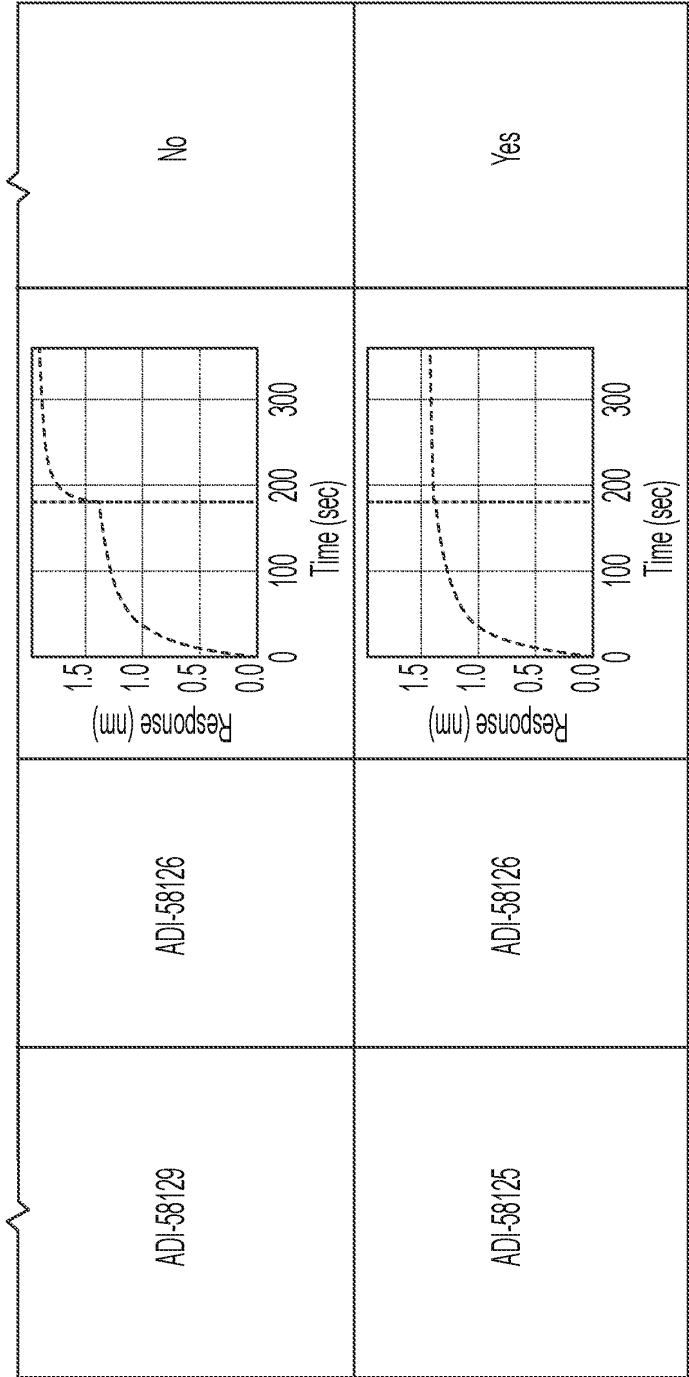


FIG. 42F CONTINUED

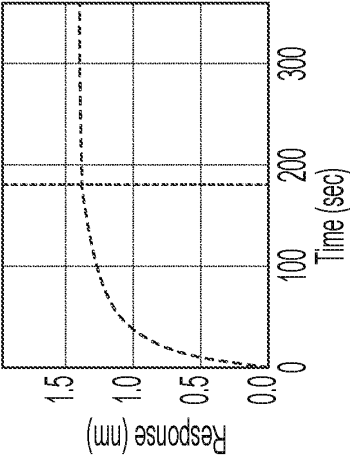
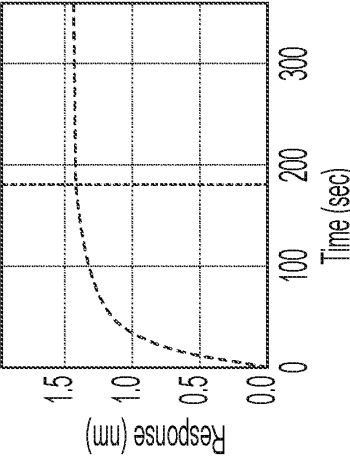
1st Antibody Name	2st Antibody Name	Image	Competitor?
CR3022	ADI-58126		Yes
ADI-58126	ADI-58126		Yes

FIG. 42F CONTINUED

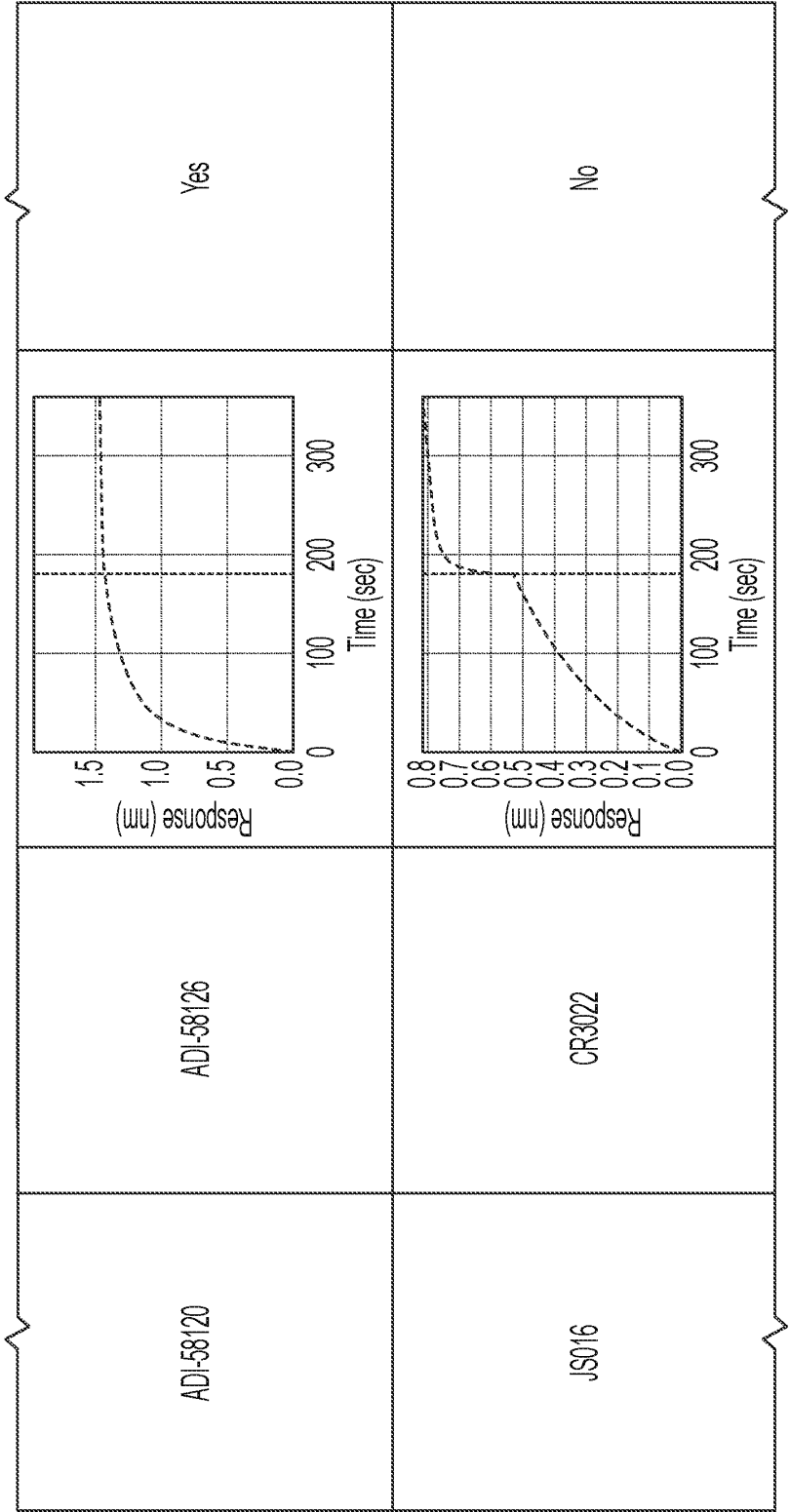


FIG. 42F CONTINUED

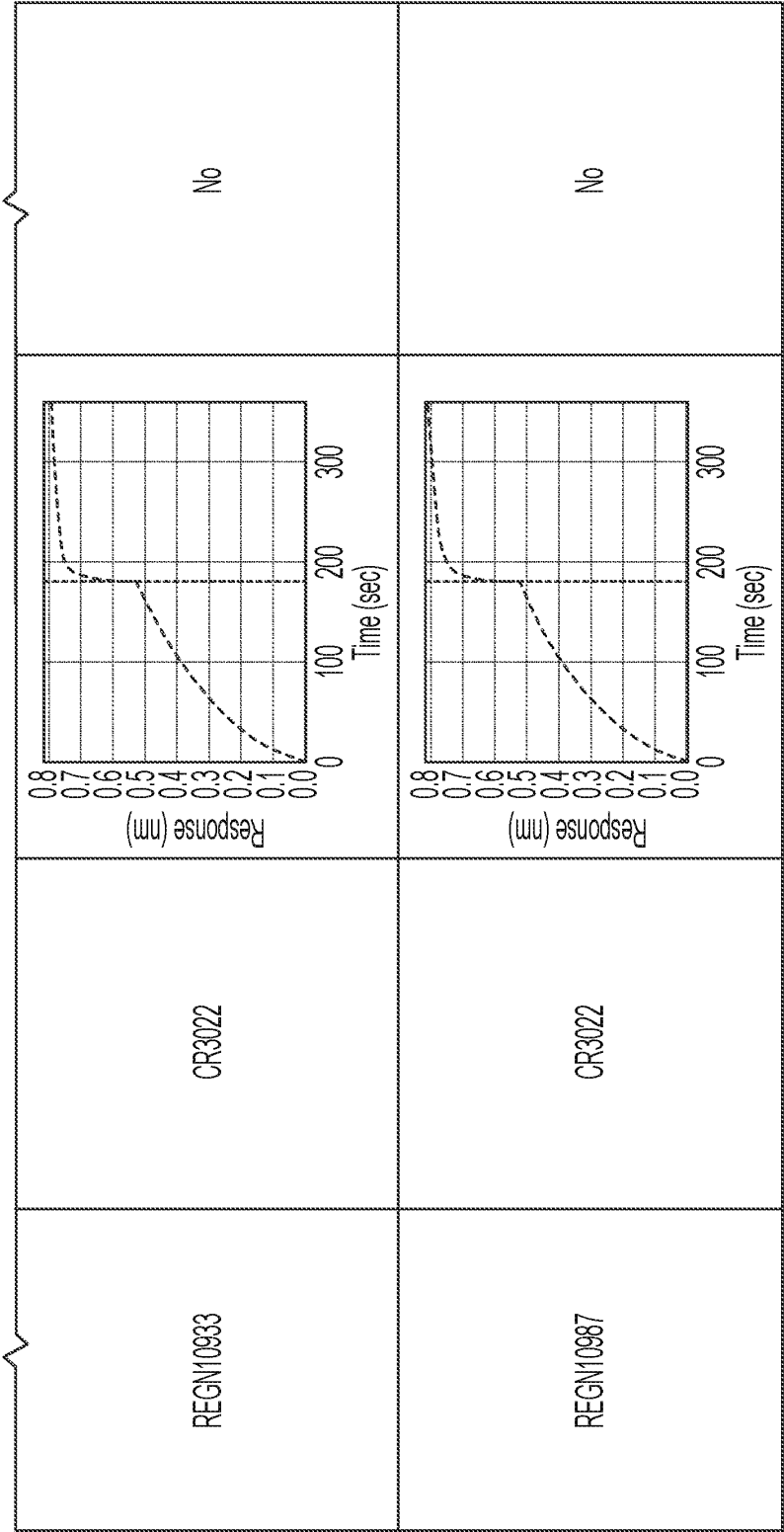


FIG. 42F CONTINUED

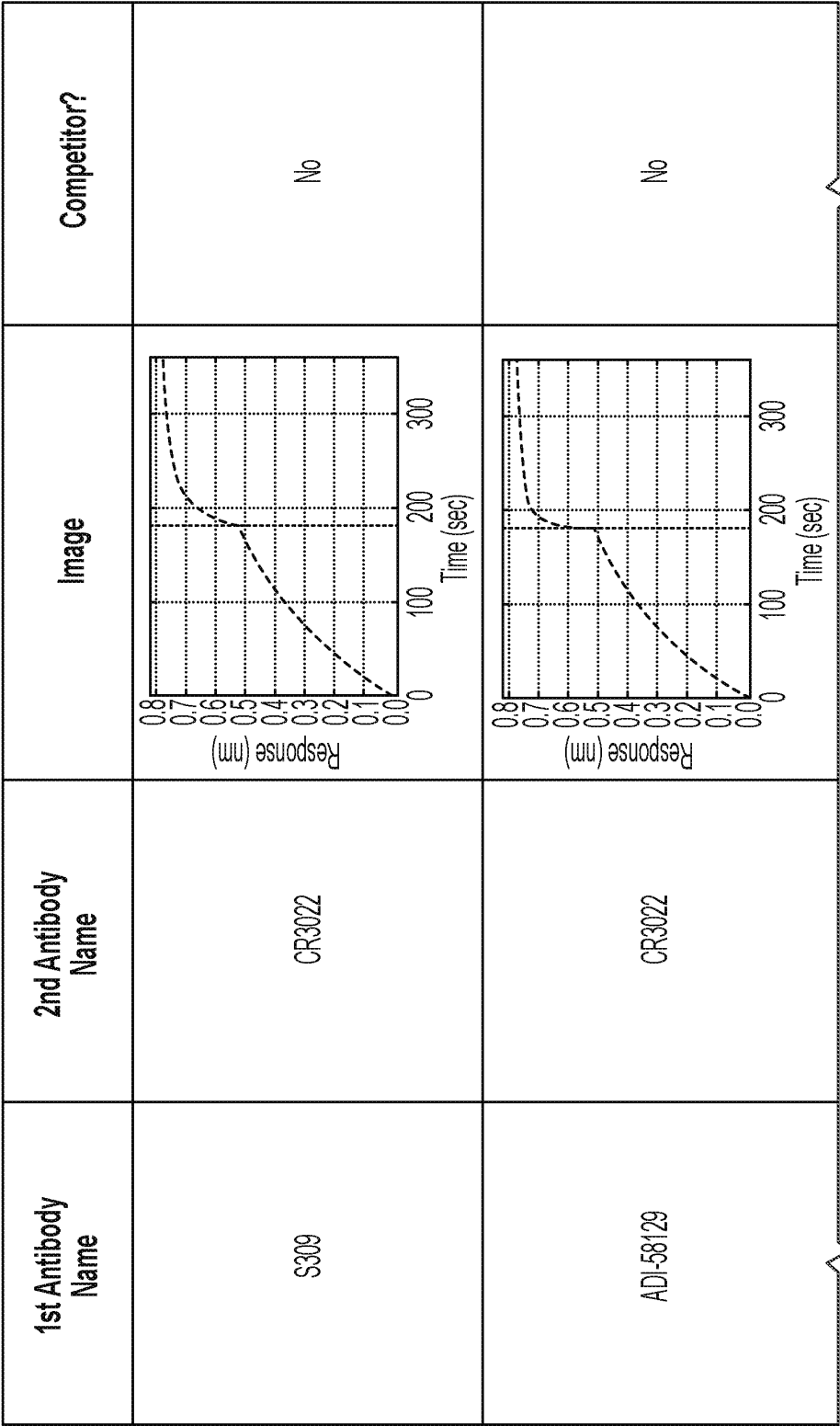


FIG. 42G

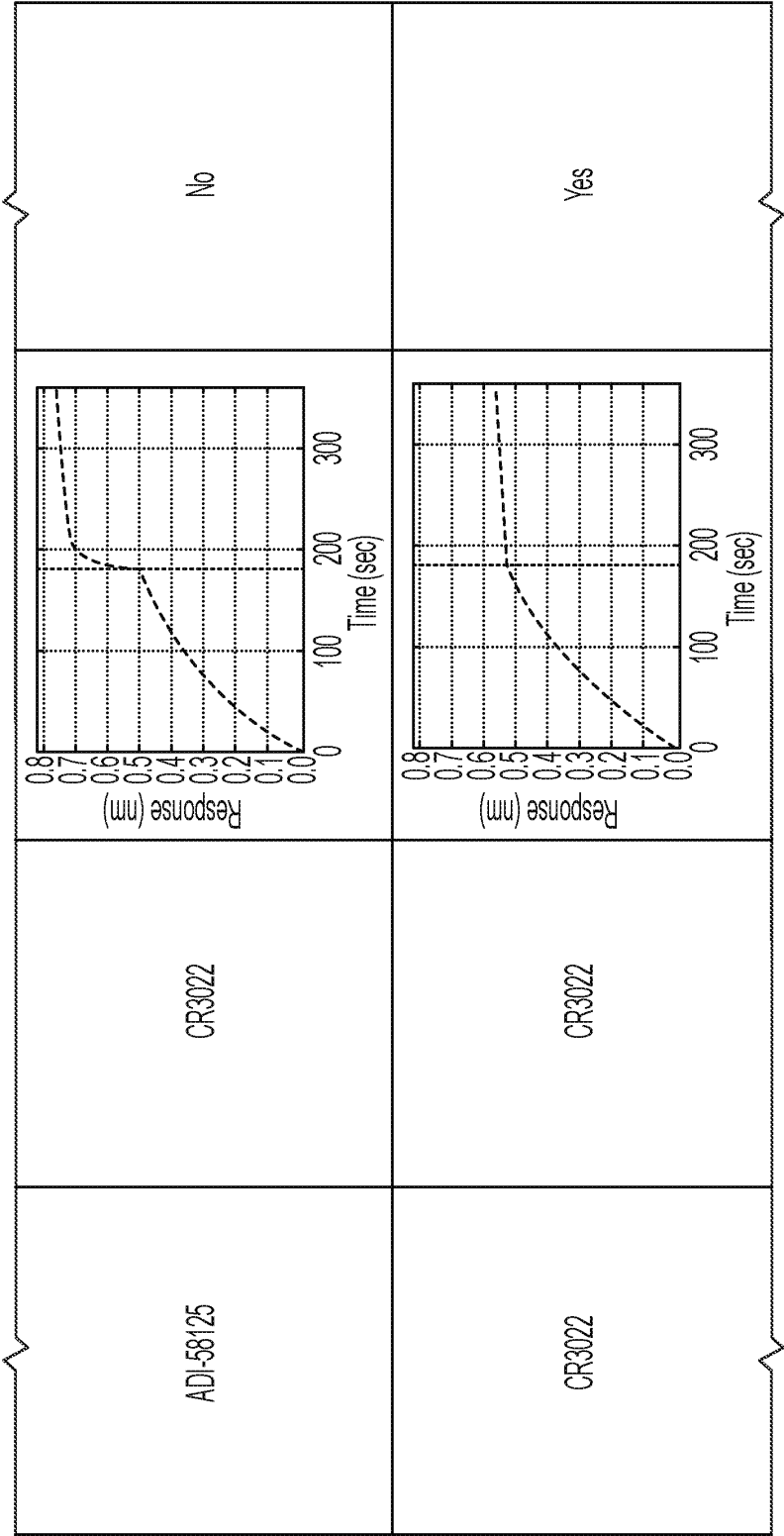


FIG. 42G CONTINUED

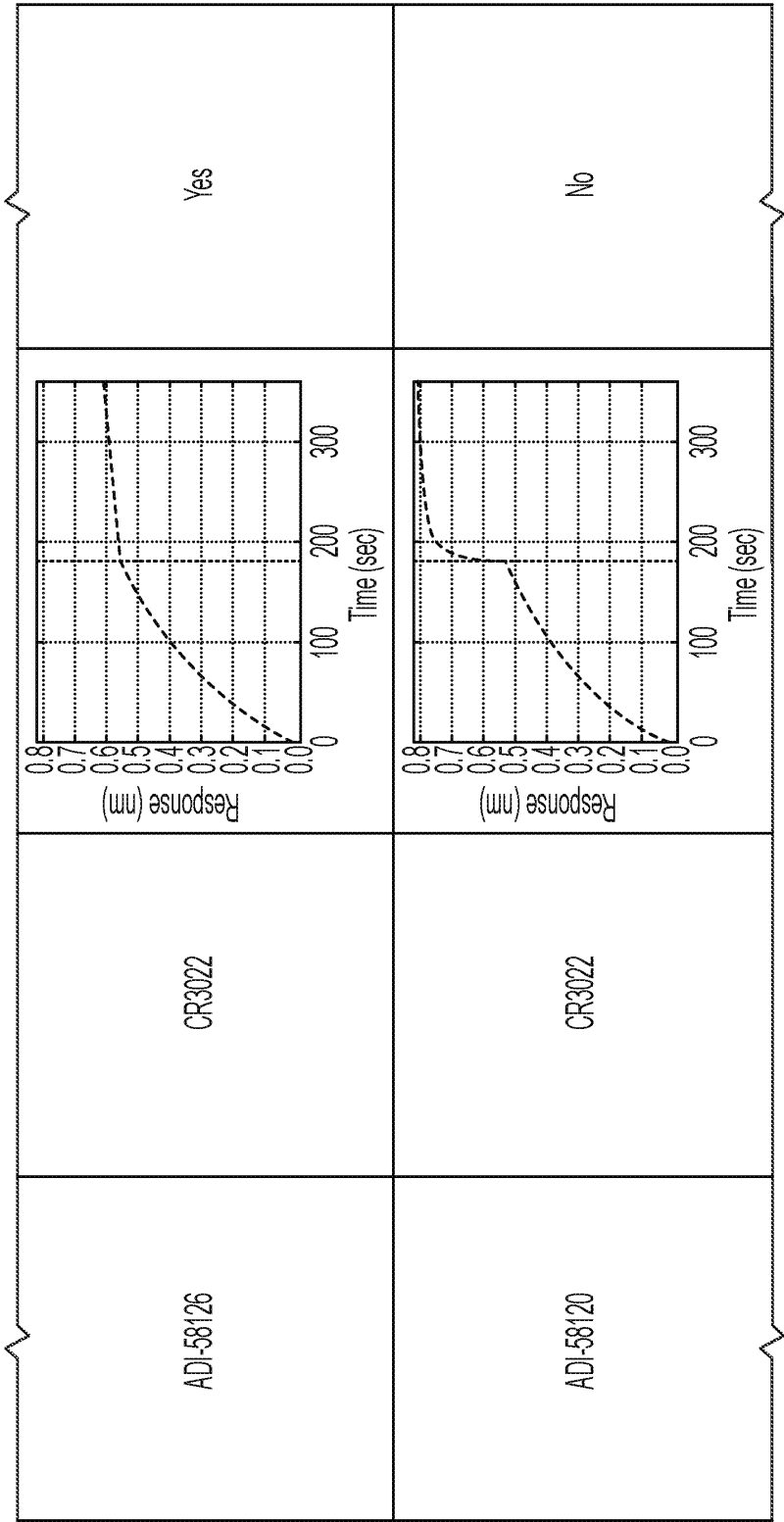


FIG. 42G CONTINUED

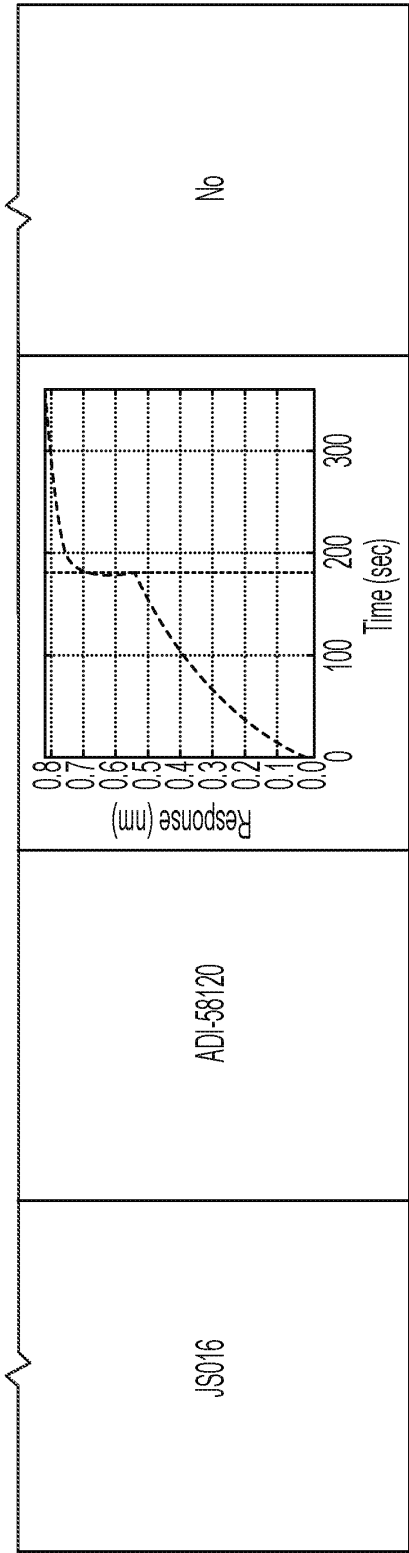


FIG. 42G CONTINUED

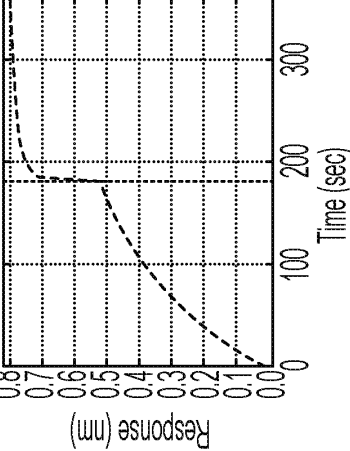
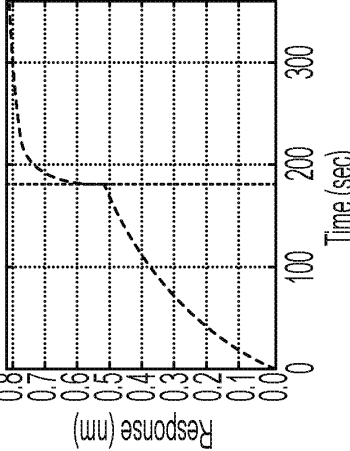
1st Antibody Name	2nd Antibody Name	Image	Competitor?
REGN10933	ADI-58120		No
REGN10987	ADI-58120		No

FIG. 42G CONTINUED

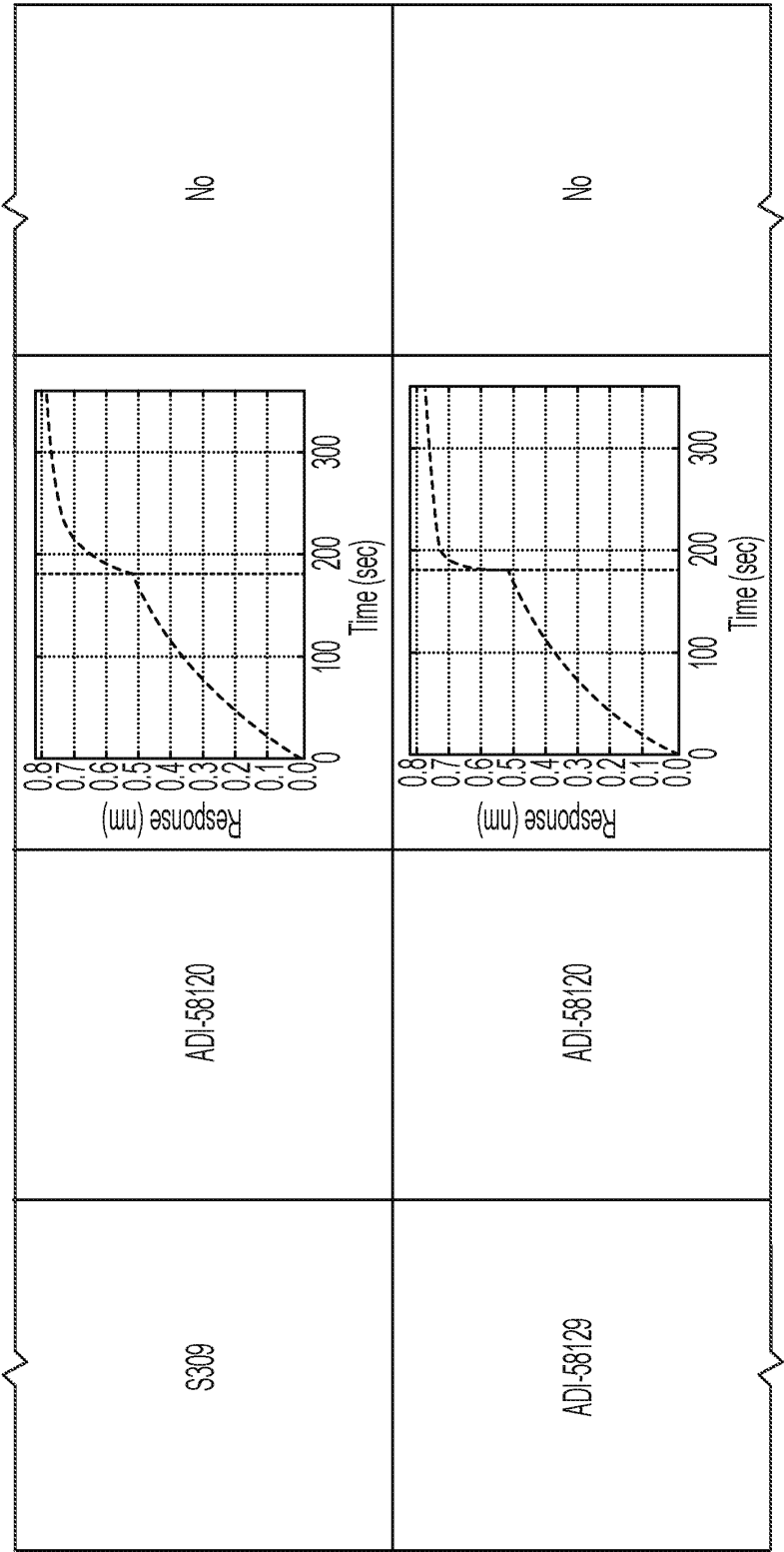


FIG. 42G CONTINUED

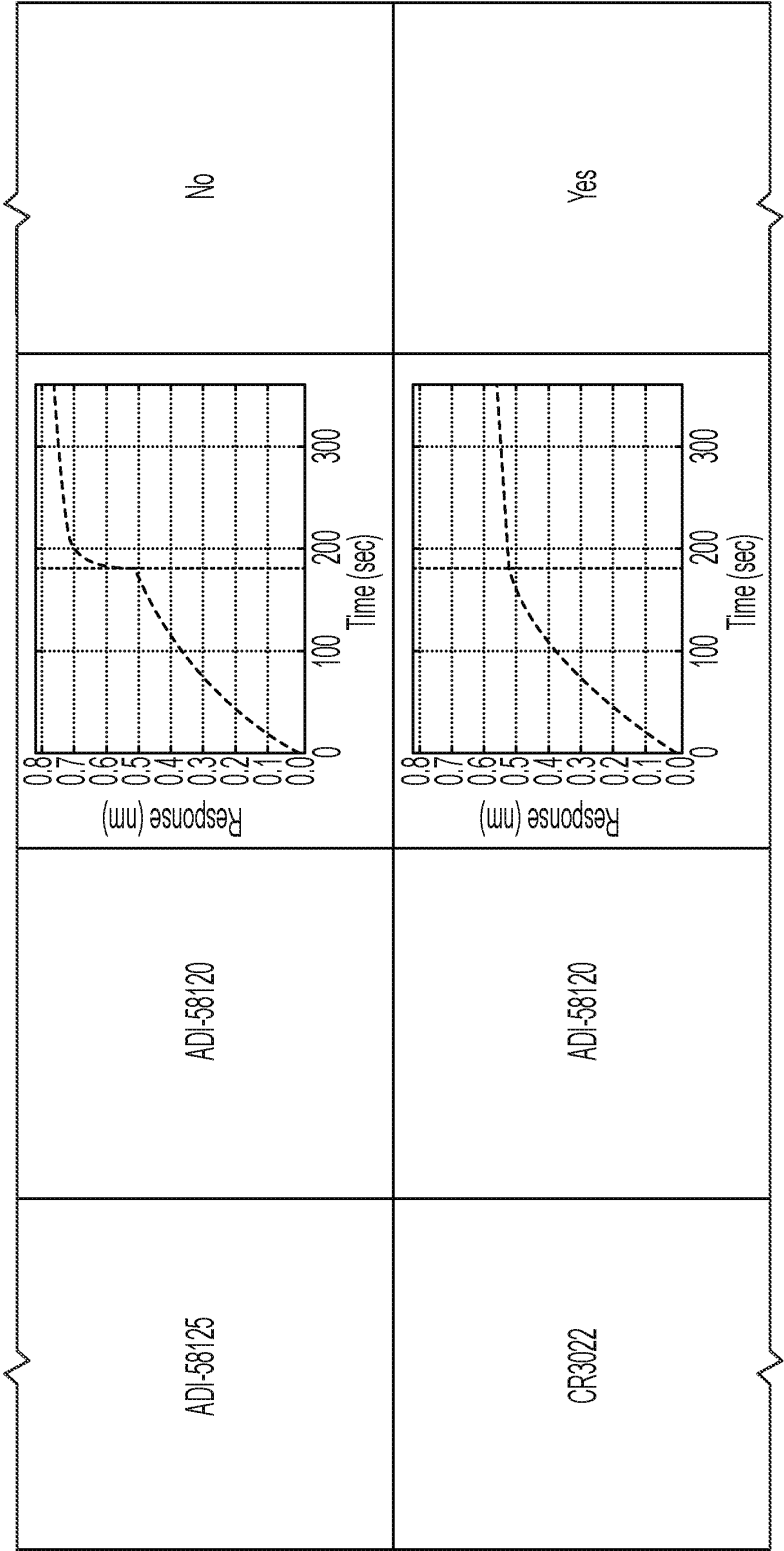


FIG. 42G CONTINUED

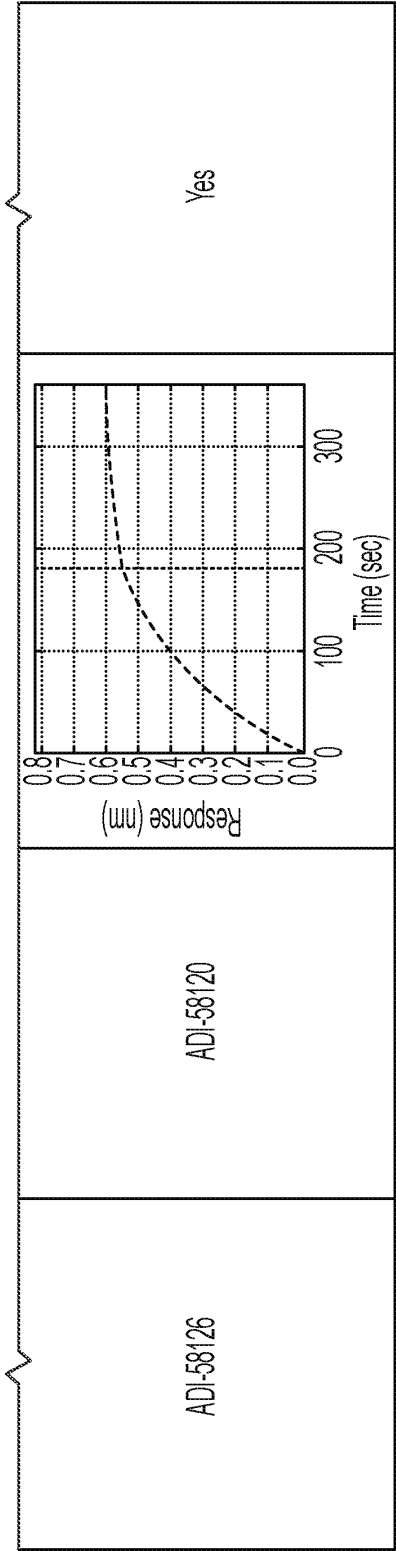


FIG. 42G CONTINUED

	hACE2	ADI-58120	ADI-58124	ADI-58126	ADI-58128	REGN10933	REGN10987	JS016	S309	CR3022
hACE2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
ADI-58120	Yes	Yes	Yes	Yes	No	No	Yes	No	Yes	No
ADI-58124	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No
ADI-58126	Yes	Yes	Yes	Yes	No	No	No	Yes	No	Yes
ADI-58128	Yes	No	No	No	Yes	Yes	No	No	No	No
REGN10933	Yes	No	Yes	No	Yes	Yes	No	Yes	No	No
REGN10987	Yes	Yes	Yes	No	No	No	Yes	No	Yes	No
JS016	Yes	No	Yes	Yes	No	No	No	Yes	No	No
S309	No	Yes	No	No	No	No	Yes	No	Yes	No
CR3022	No	No	No	Yes	No	No	No	No	No	Yes

FIG. 42H

Fc _γ R	Antibody	k _a (1/Ms)	k _d (1/s)	K _D (M)
Fc _γ RI	ADI-58125	4.87E+06	1.71E-04	3.51E-11
Fc _γ RI	ADI-58124	4.27E+06	1.92E-04	4.50E-11
Fc _γ RIIA, H167	ADI-58125	1.47E+06	6.08E-01	4.12E-07
Fc _γ RIIA, H167	ADI-58124	1.12E+06	7.46E-01	6.65E-07
Fc _γ RIIA, R167	ADI-58125	1.09E+06	9.44E-01	8.68E-07
Fc _γ RIIA, R167	ADI-58124	1.13E+06	1.23E+00	1.10E-06
Fc _γ RIB	ADI-58125	Non-binder	Non-binder	Non-binder
Fc _γ RIB	ADI-58124	Non-binder	Non-binder	Non-binder
Fc _γ RIIIA, V176	ADI-58125	3.87E+05	4.46E-02	1.15E-07
Fc _γ RIIIA, V176	ADI-58124	3.24E+05	5.86E-02	1.81E-07
Fc _γ RIIIA, V176F	ADI-58125	3.57E+05	1.12E-01	3.14E-07
Fc _γ RIIIA, V176F	ADI-58124	3.03E+05	1.08E-01	3.55E-07

FIG. 43A

Antibody	Fc Version	FcRn	k_a (1/Ms)	k_d (1/s)	K_D (M)
ADI-58124	WT	Human	1.26E-07	2.43E-01	1.93E-08
ADI-58124	WT	Cyno			1.21E-08*
ADI-58125	LA	Human	3.27E+07	1.00E-01	3.06E-09
ADI-58125	LA	Cyno	6.20E+07	1.45E-01	2.34E-09

* K_D was derived from steady-state equilibrium analysis, which does not yield k_a and k_d constants.

FIG. 43B

Antibody	k_a (1/Ms)	k_d (1/s)	K_D (M)
ADI-58124	1.66E+05	1.31E-02	3.53E-09
ADI-58125	1.71E+05	1.19E-02	3.20E-09

Antibody	KD Human FcRn pH 7.4	KD Human FcRn pH 6.0	KD cyno FcRn pH 7.4	KD cyno FcRn pH 7.4
ADI-58124	N.B.	1.38E-08	N.B.	1.26E-08
ADI-58125	N.B.	2.18E-09	N.B.	1.84E-09

N.B. = non-binding under the conditions of the assay

FIG. 43C

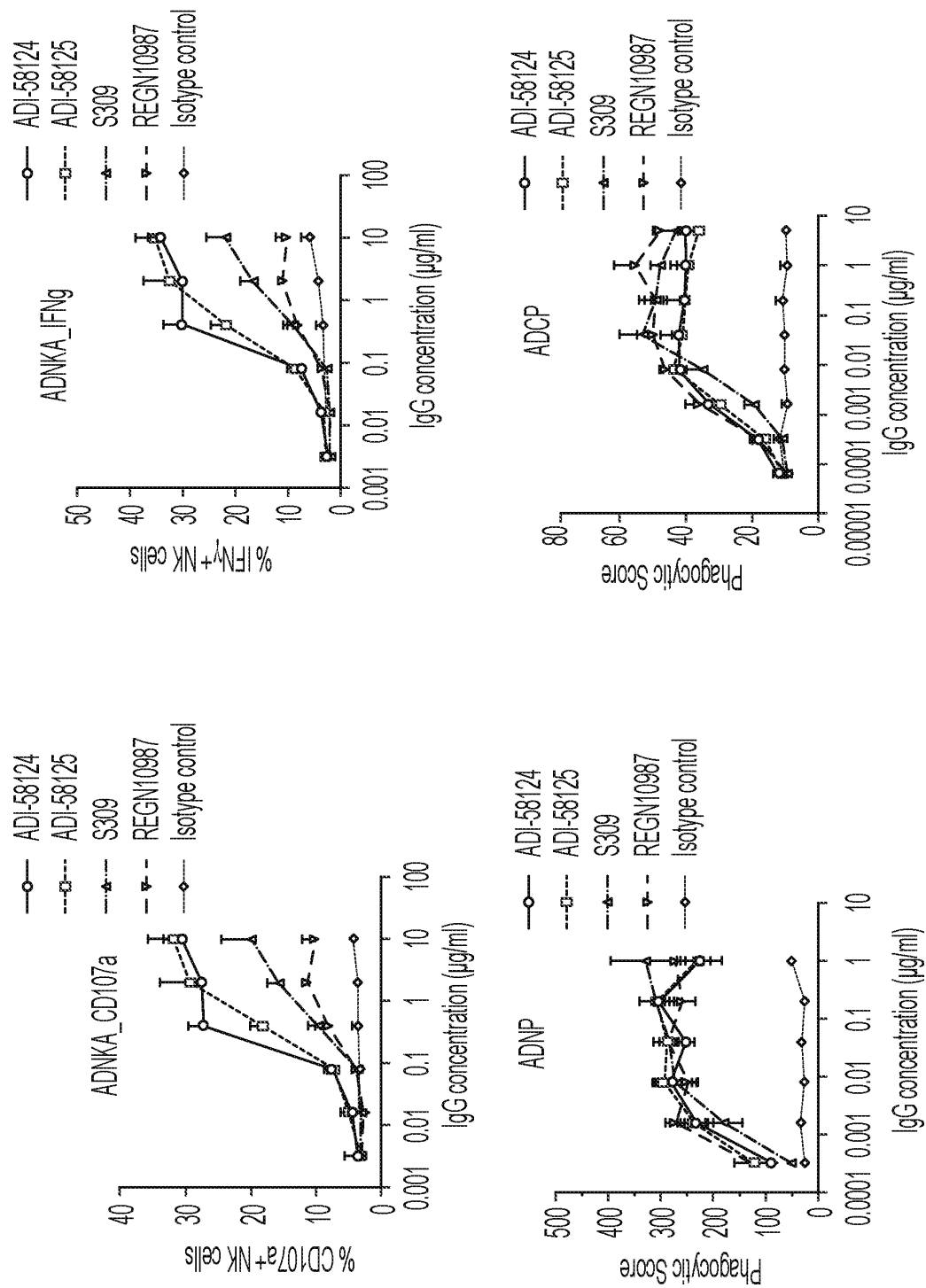


FIG. 43D

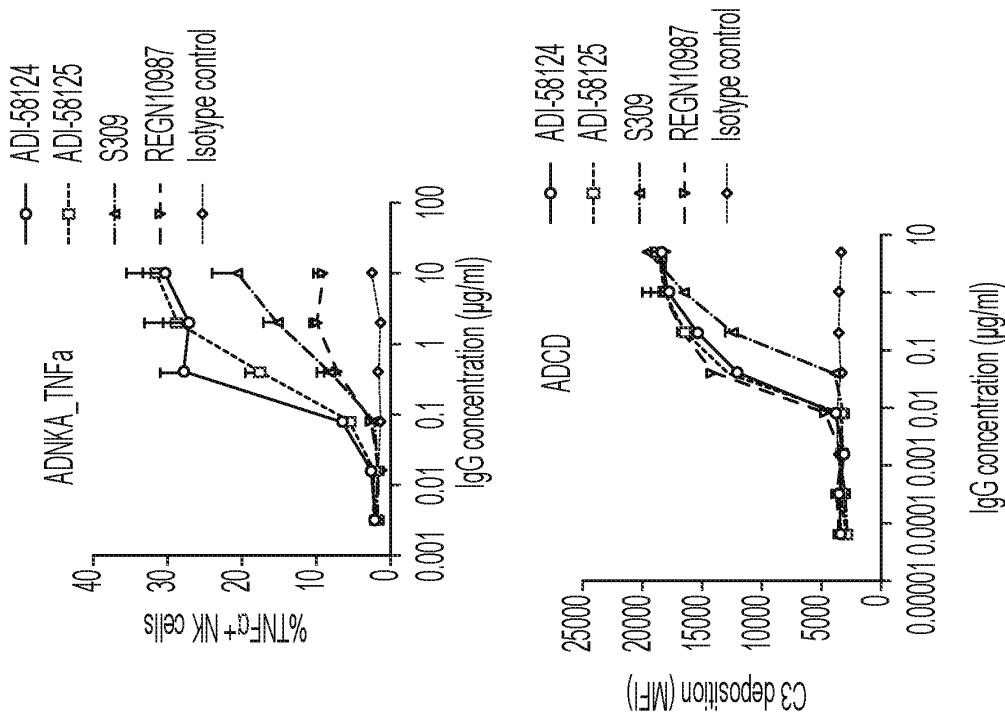


FIG. 43D CONTINUED

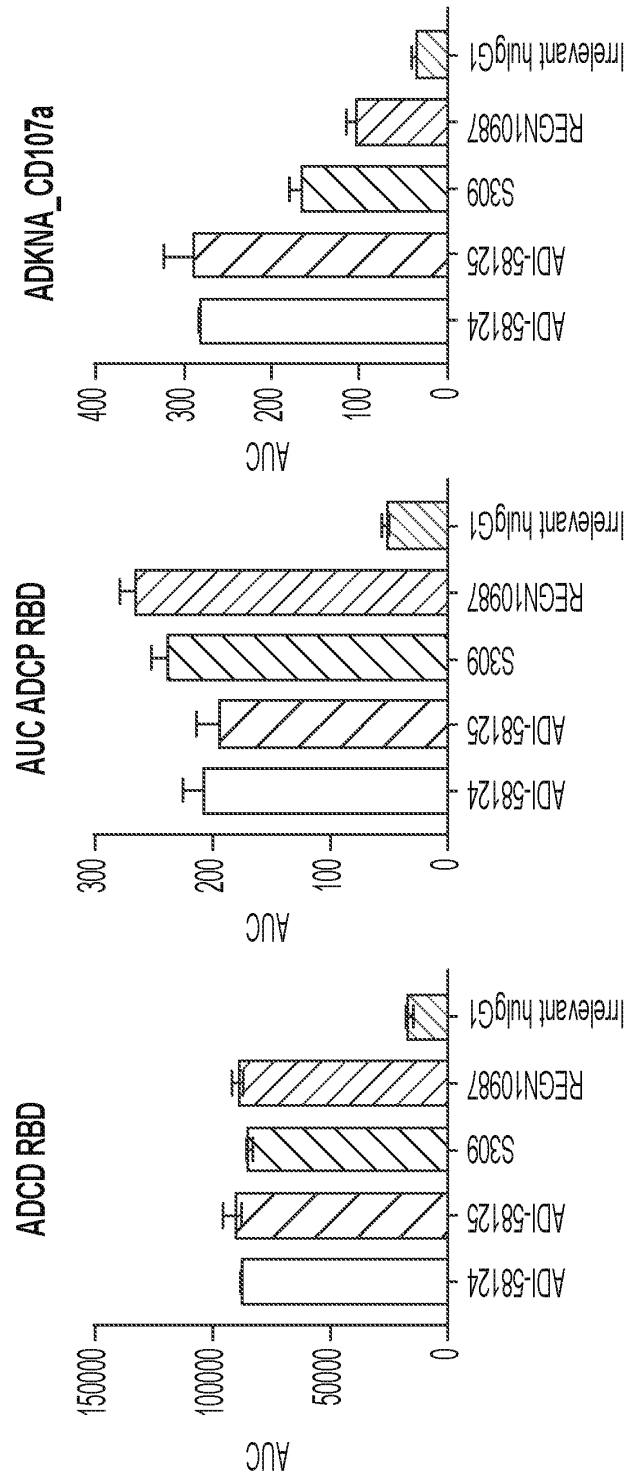


FIG. 43E

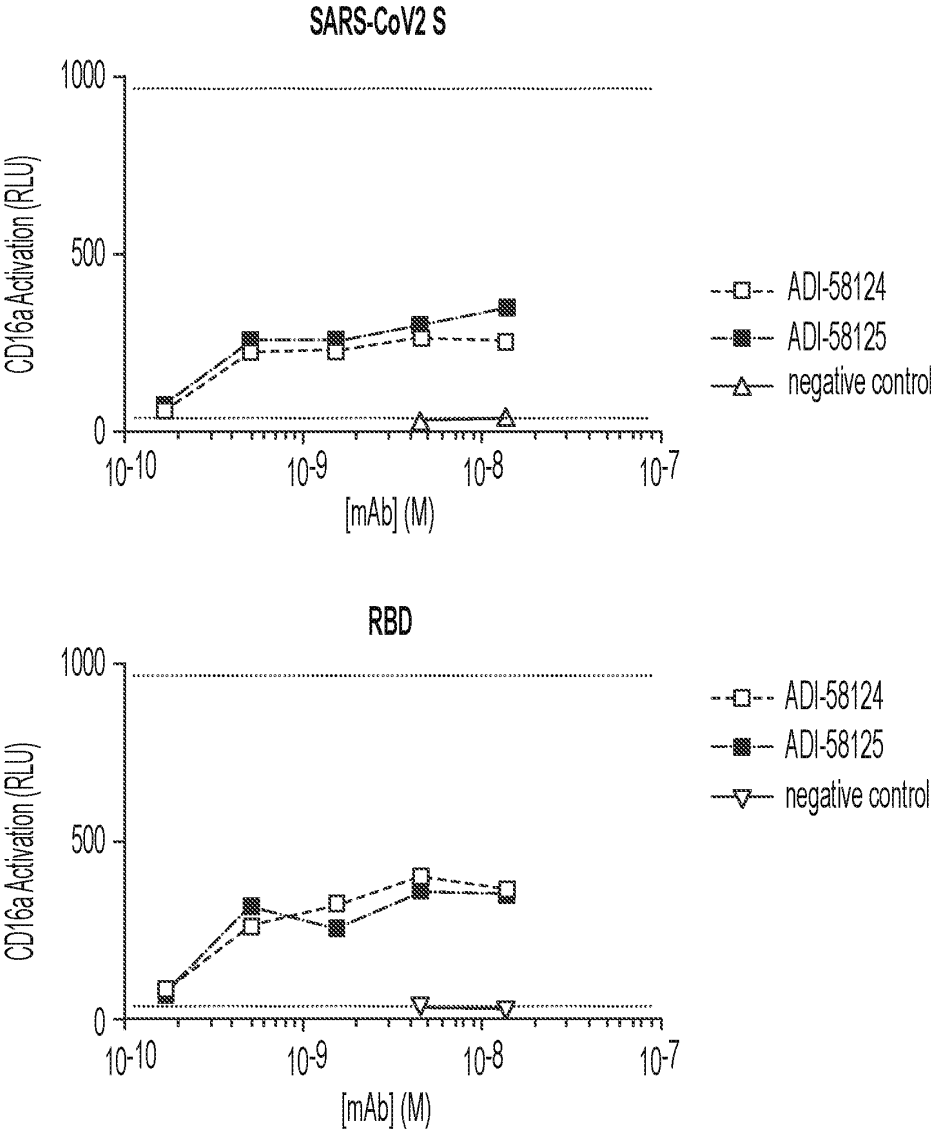


FIG. 43F

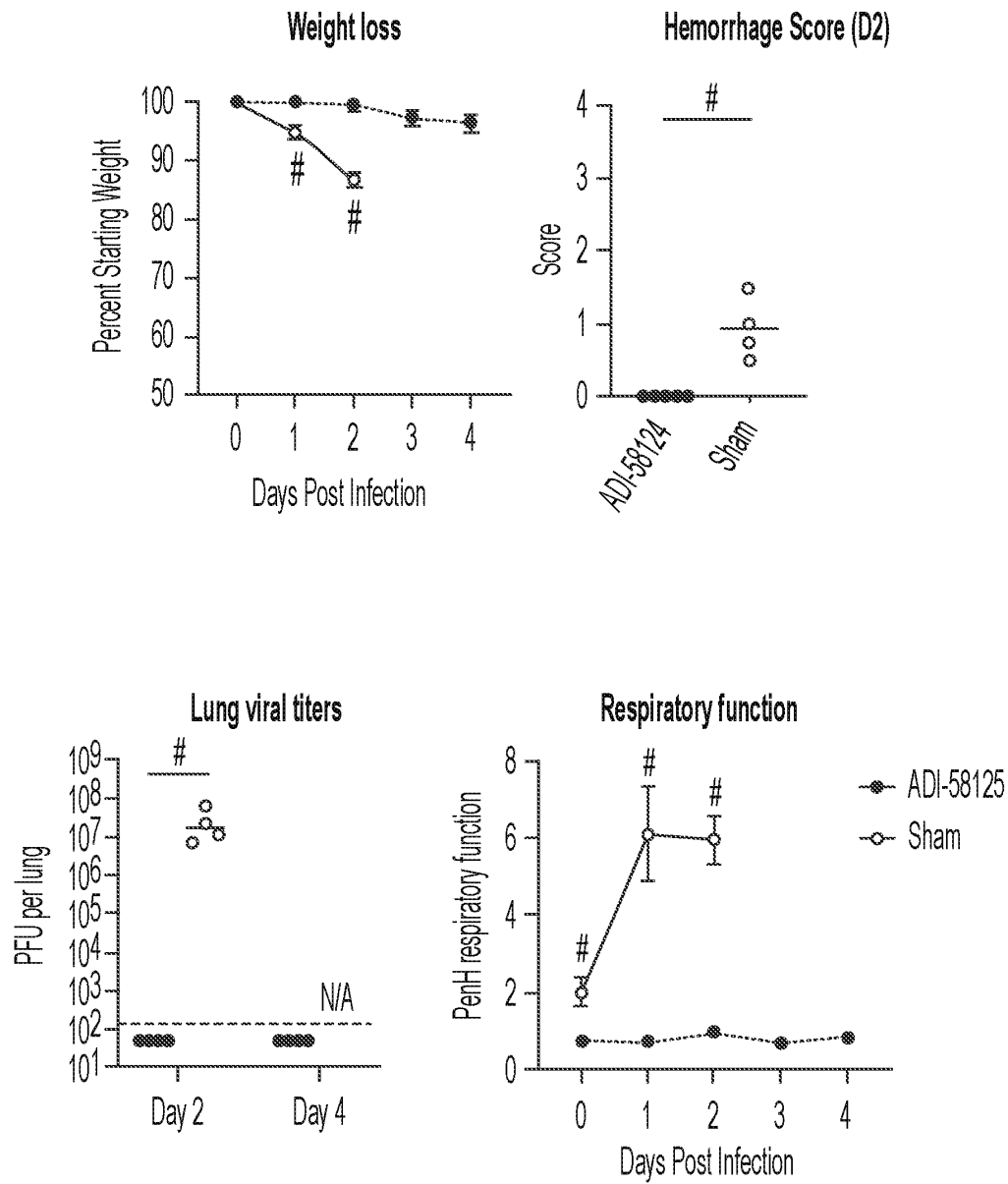


FIG. 44A

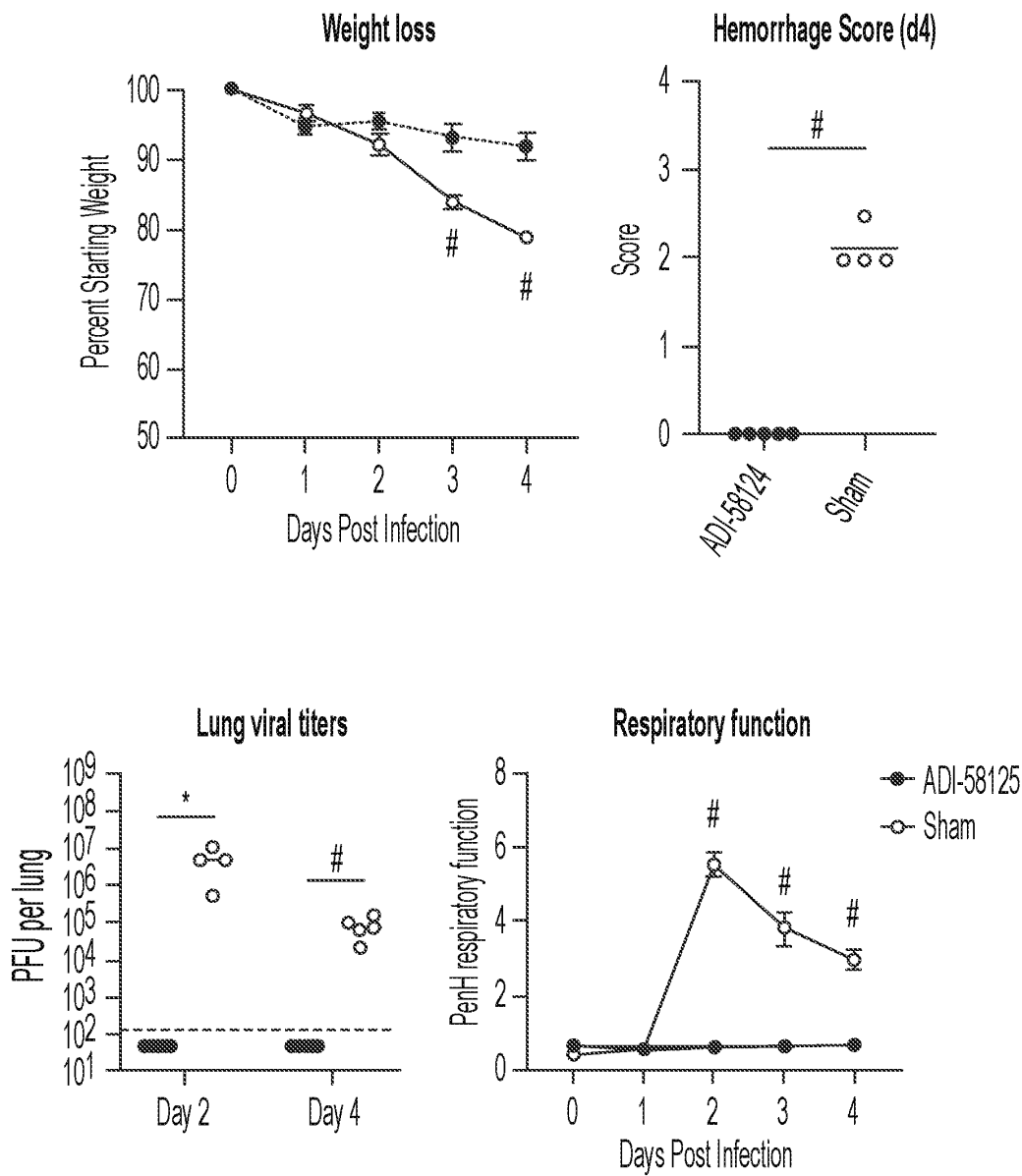


FIG. 44B

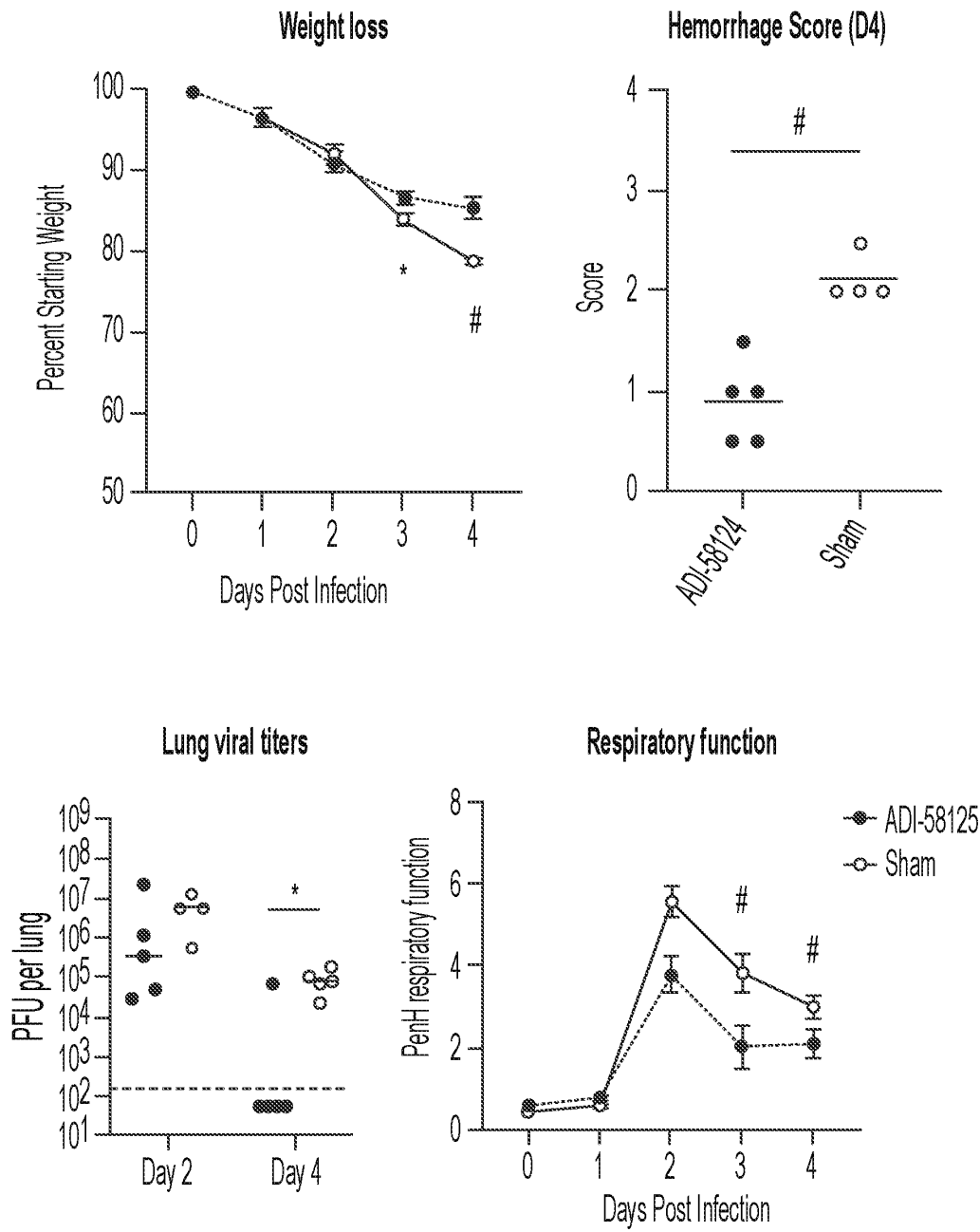


FIG. 44C

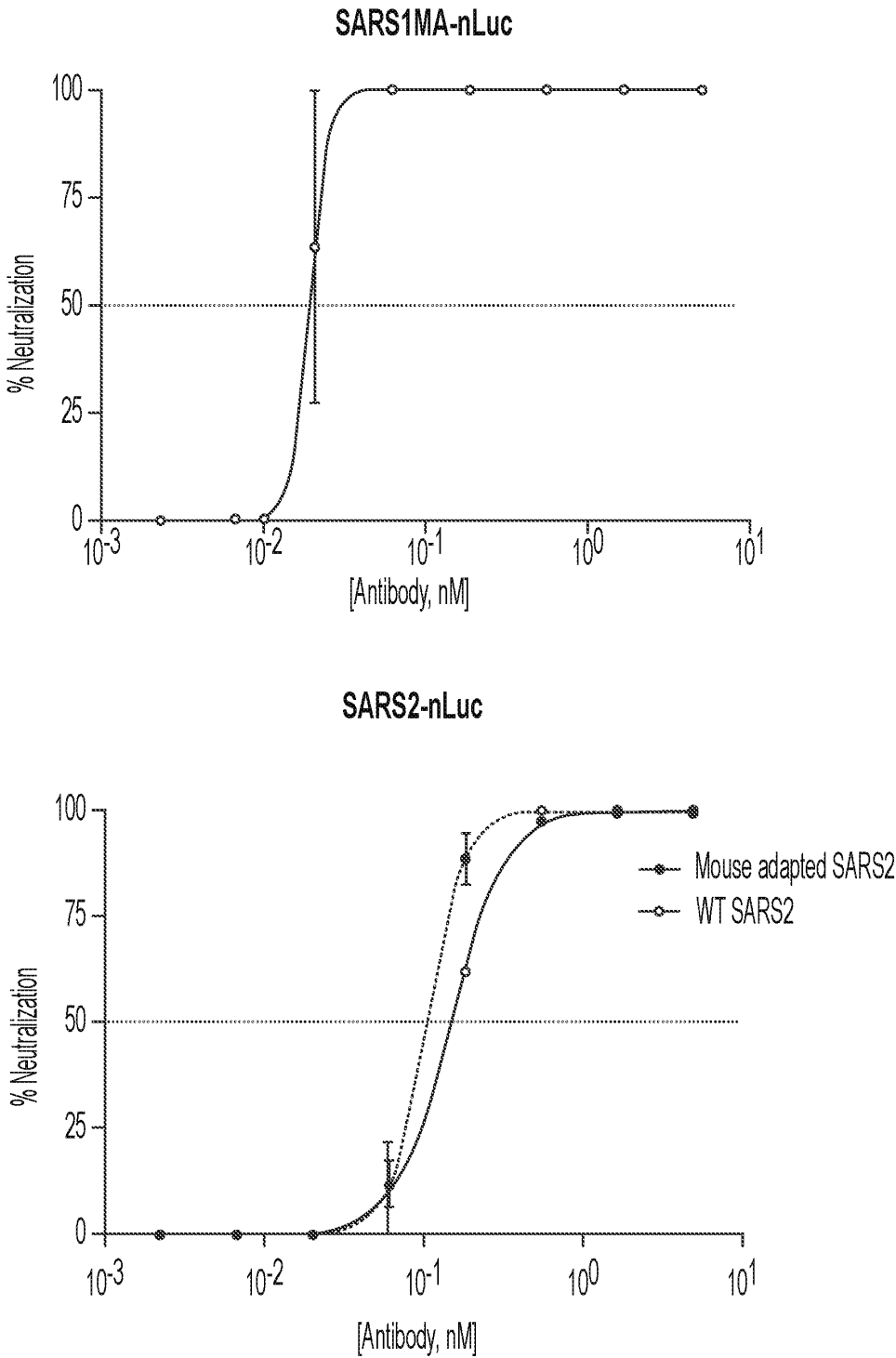


FIG. 44D

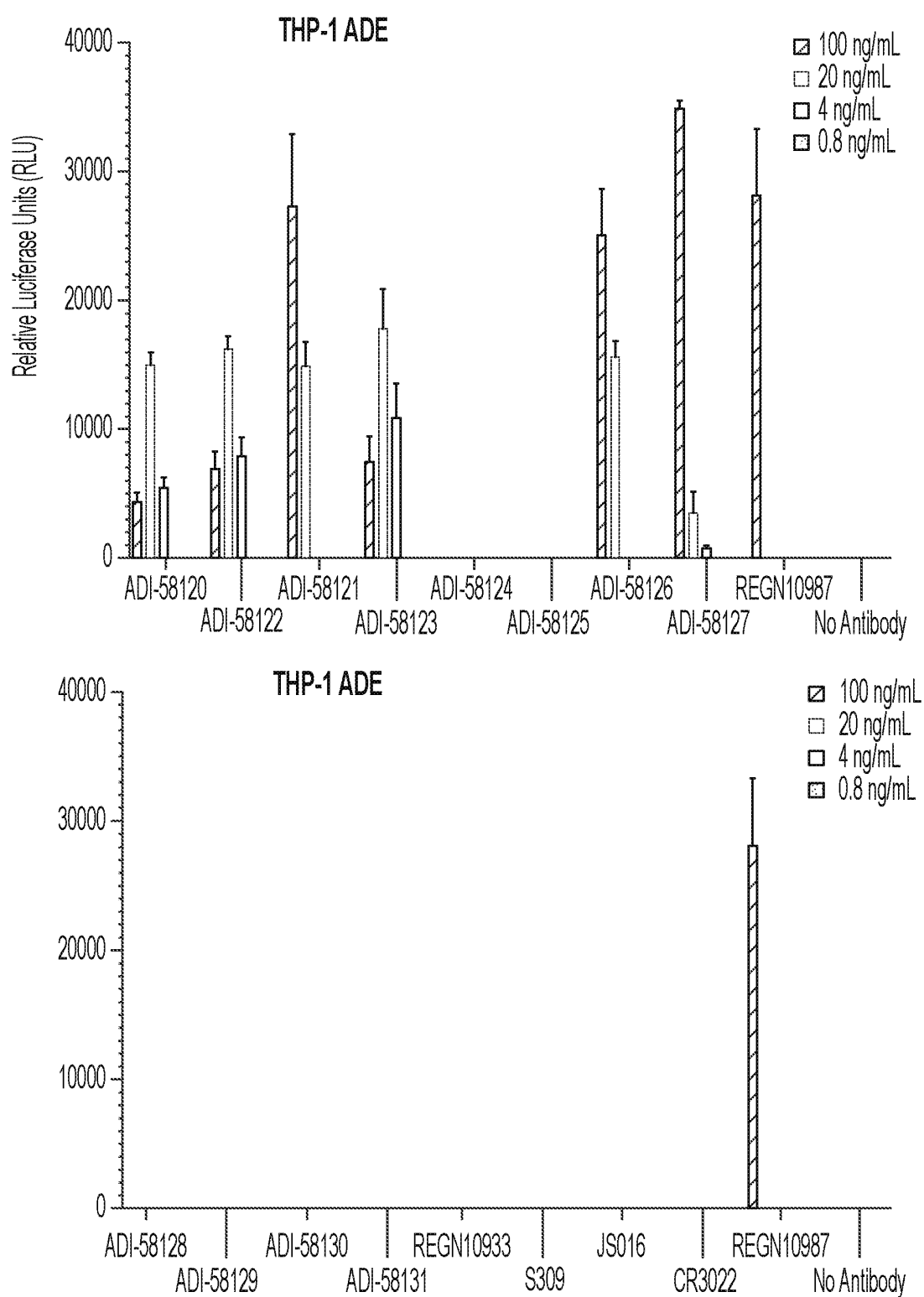


FIG. 45A

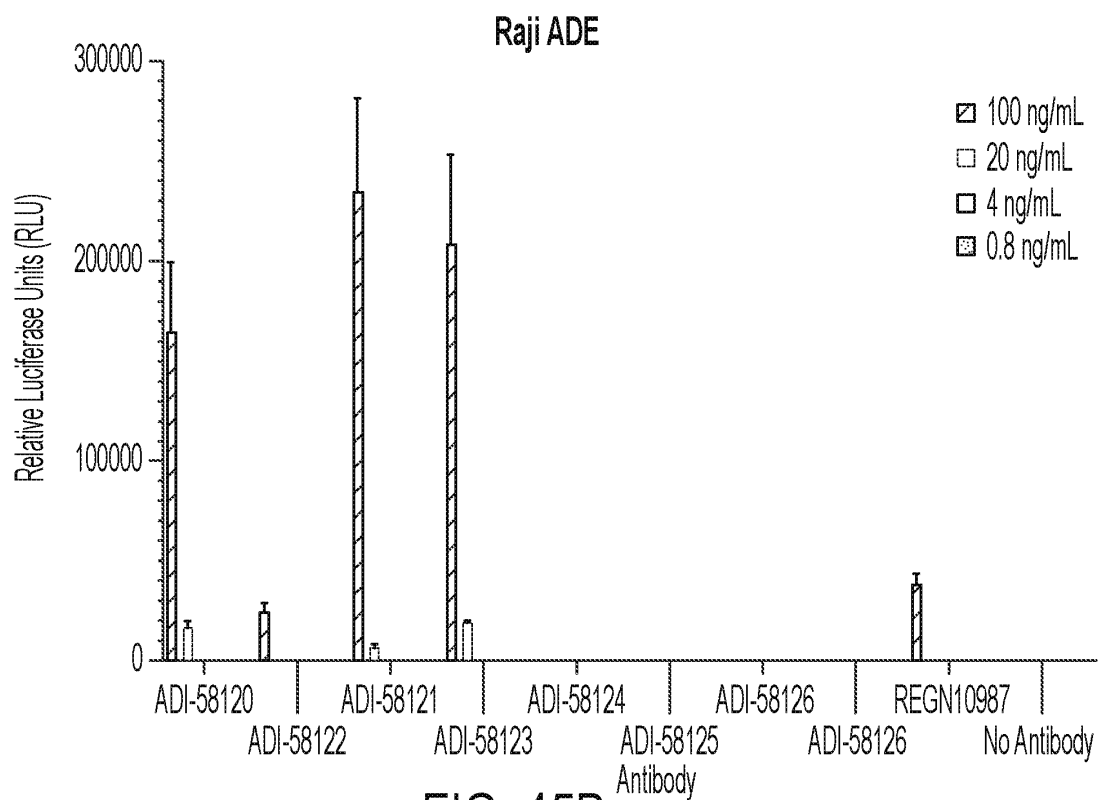
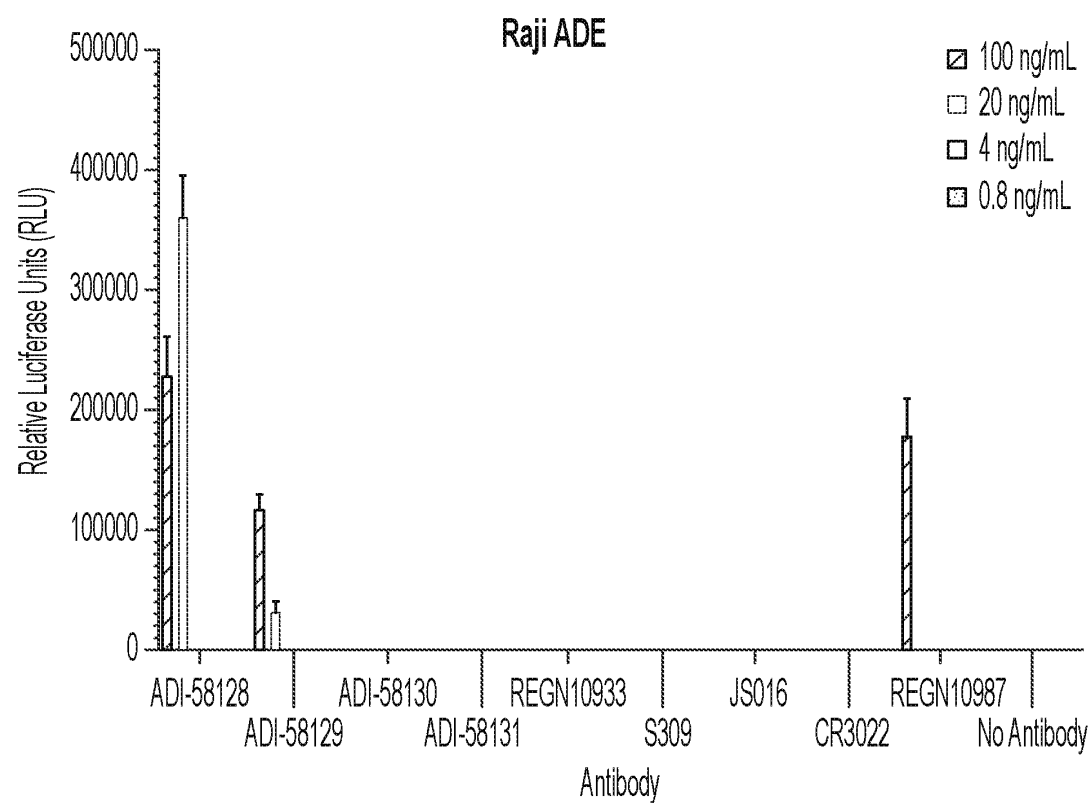


FIG. 45B

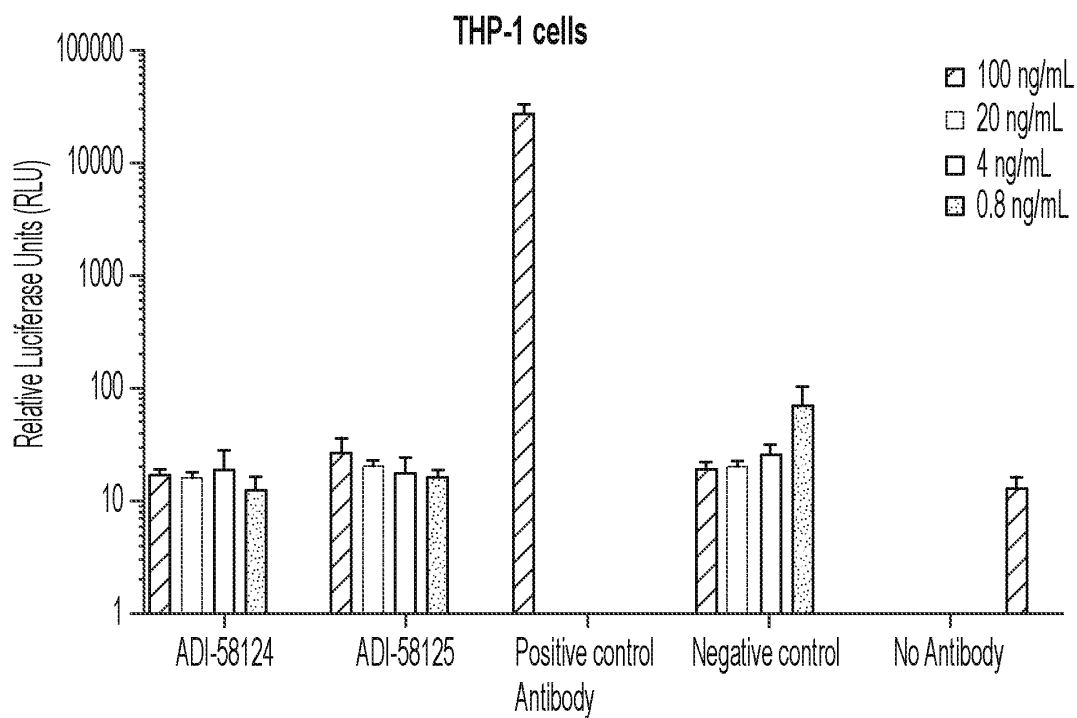
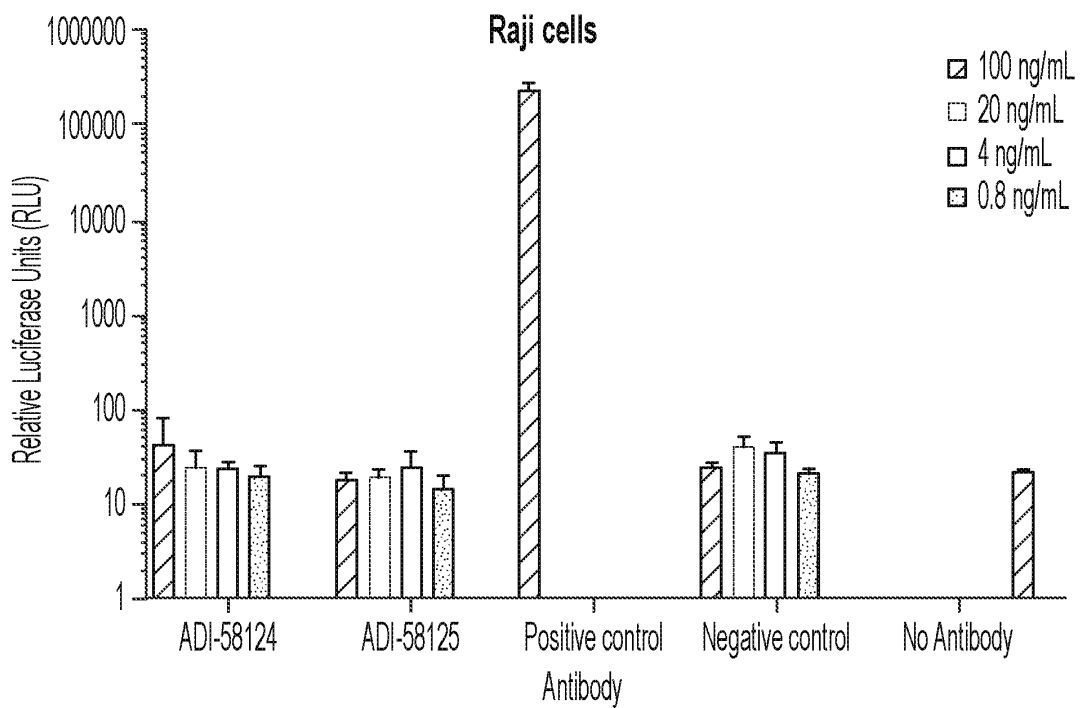
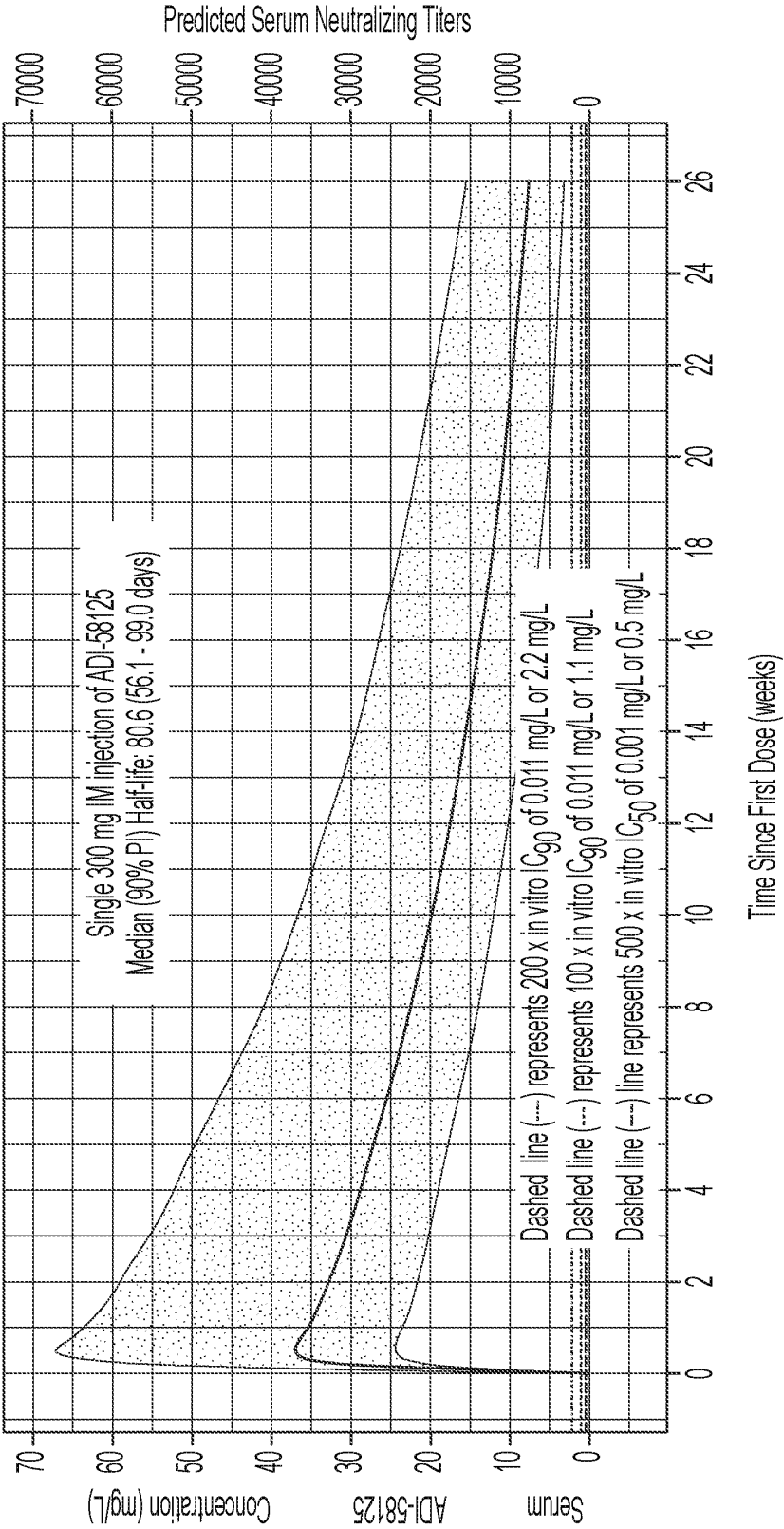


FIG. 45C



PBPK Model, L_n -normal K_d , $F_c R_n$ of 9.55 nM (10% IV); IM bio=100%, 15% IV on lymph RC in muscle, CDC weight (45-150 kg)

FIG. 46

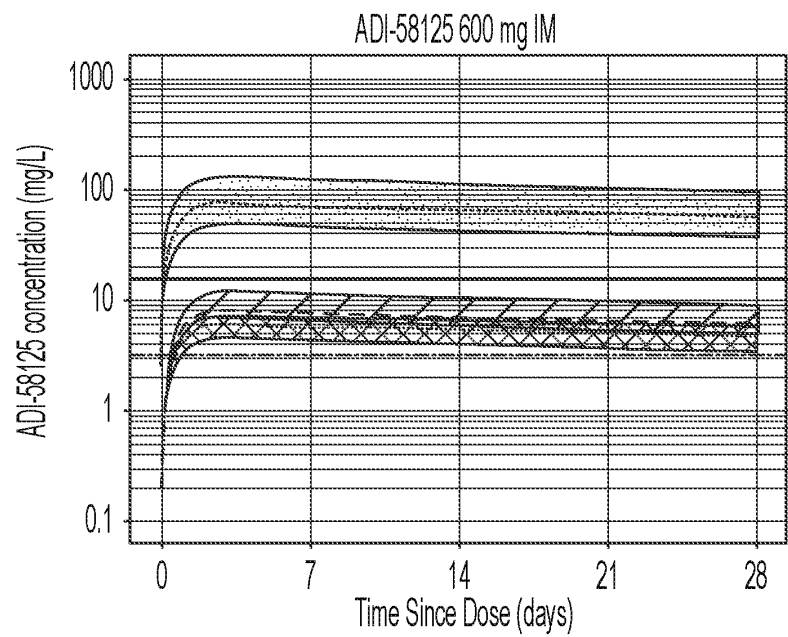


FIG. 47A

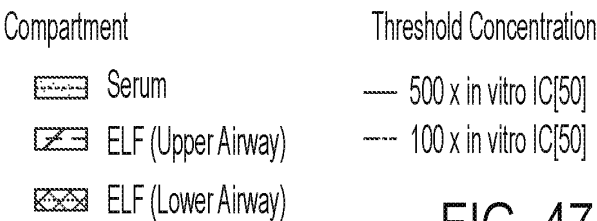
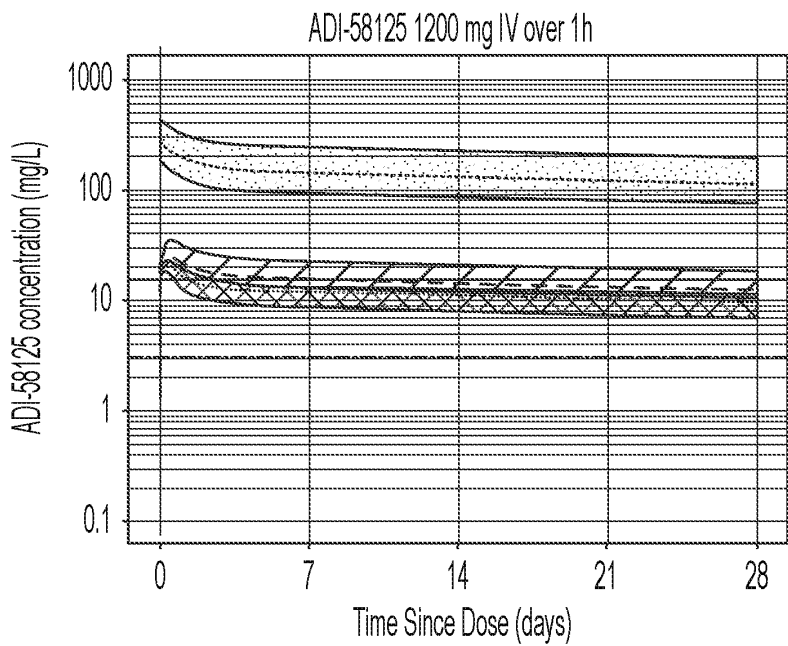


FIG. 47B

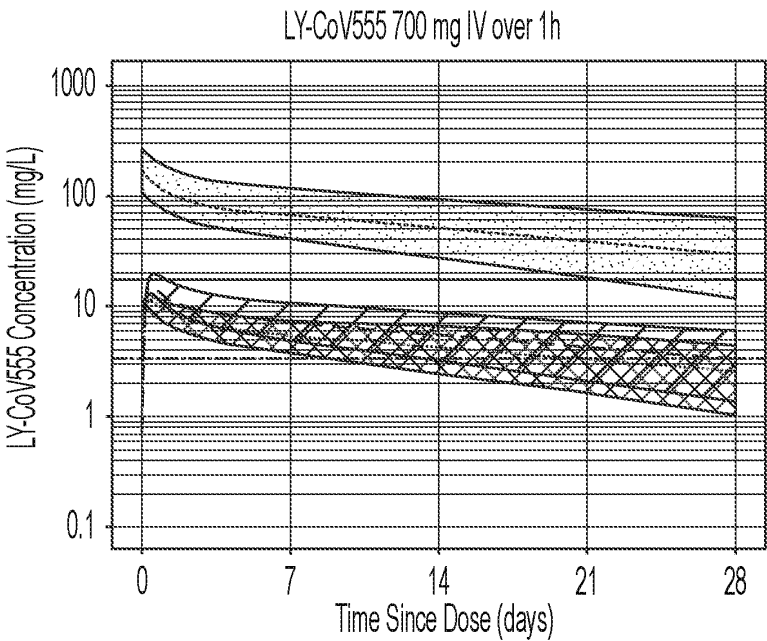


FIG. 47C

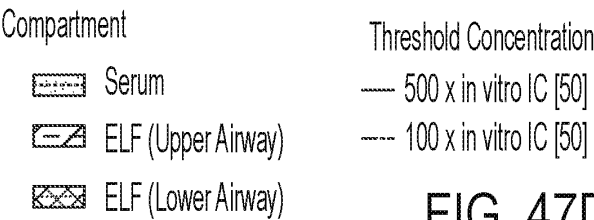
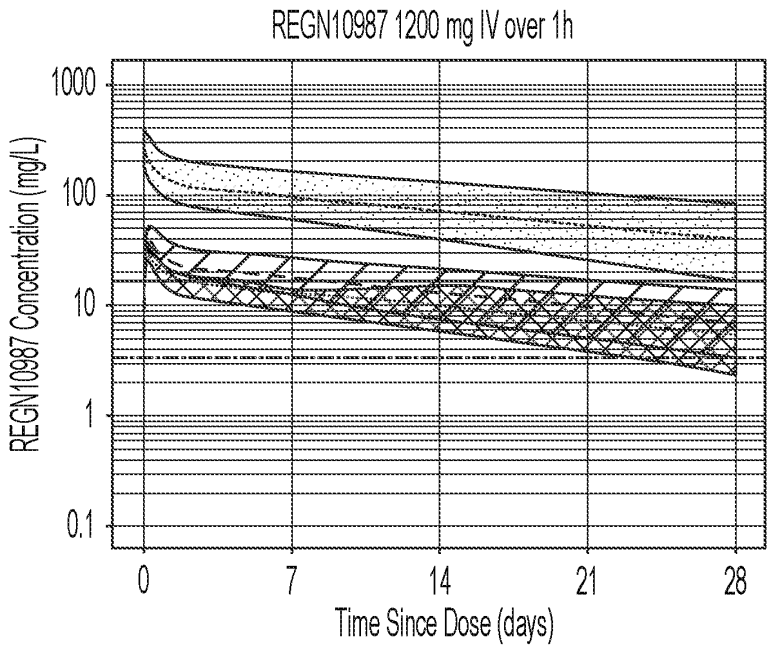


FIG. 47D

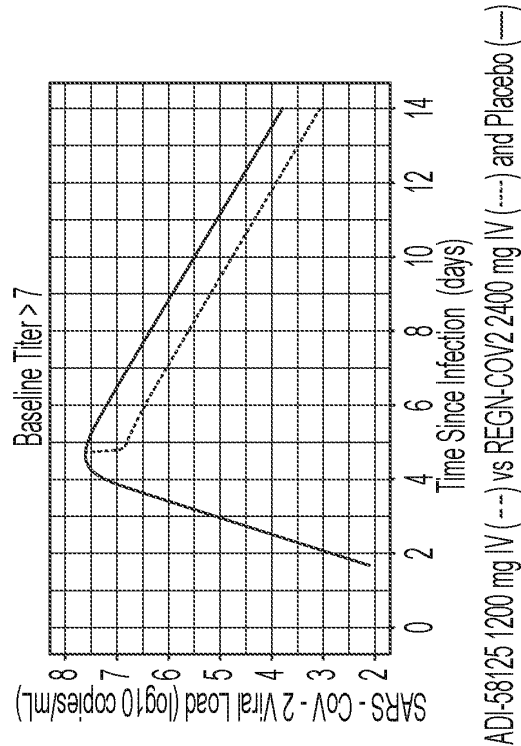


FIG. 48B

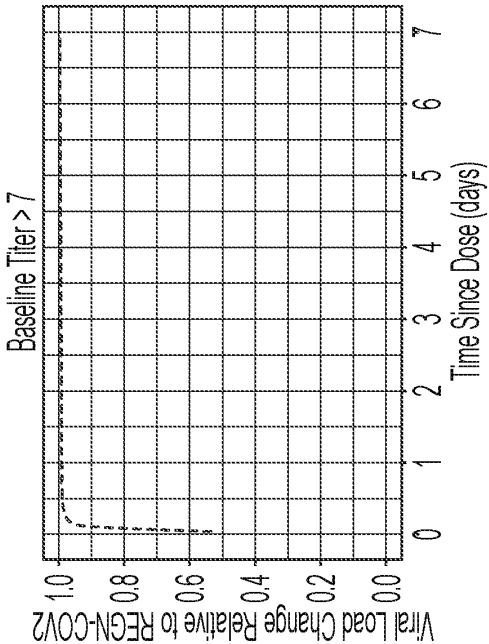


FIG. 48D

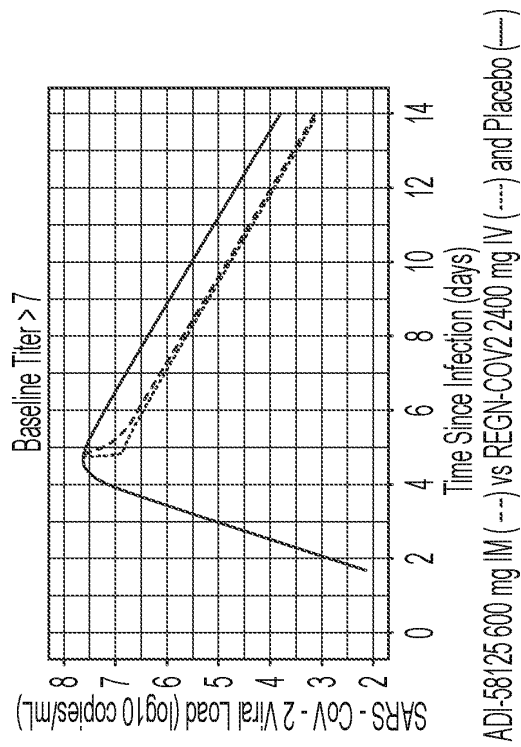


FIG. 48C

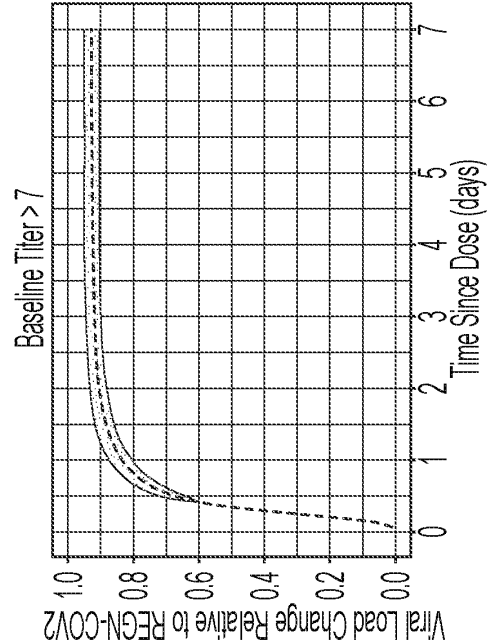


FIG. 48D

Mean pharmacokinetic parameters of ADI-58125 in male and female Cynomolgus Monkeys (n=5)

Group	1		2	
Route	IV infusion		IM	
Dose (mg/kg)	10		10	
PK	Mean	SD	Mean	SD
C _{max} (ug/mL)	226	19.7	114	8.34
C _{last} (ug/mL)	4.48	2.53	6.25	1.81
T _{max} (h)	1.00	0.00	62.4	32.2
T _{1/2} (h)	473	104	533	85.3
V _{dss} (mL/kg)	83.7	5.01	--	--
V _z (mL/kg)	83.0	13.1	--	--
Cl (mL/h/kg)	0.126	0.0365	--	--
AUC _{0-last} (ug.h/mL)	80500	17600	88100	6340
AUC _{0-inf} (ug.h/mL)	83800	19500	92900	7130
Bioavailability (%) ^a	--	--	111	--
"--" means not applicable due to less than 3 quantifiable values				
a: Bioavailability (%) was calculated with mean AUC _{0-inf} and nominal dose				

FIG. 49B

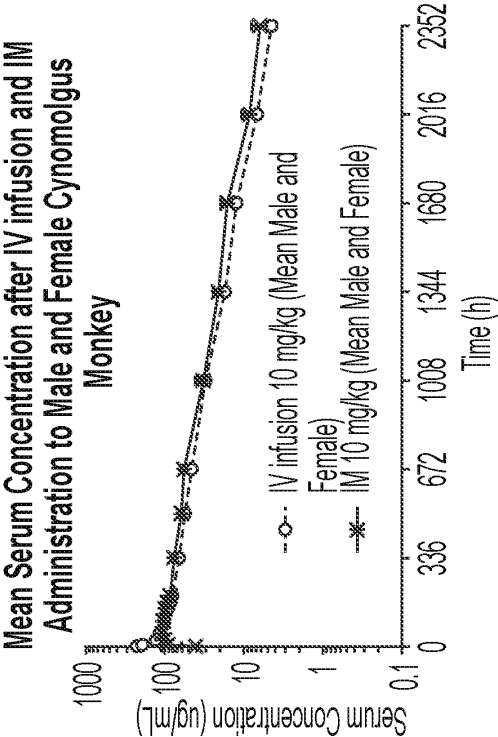


FIG. 49A

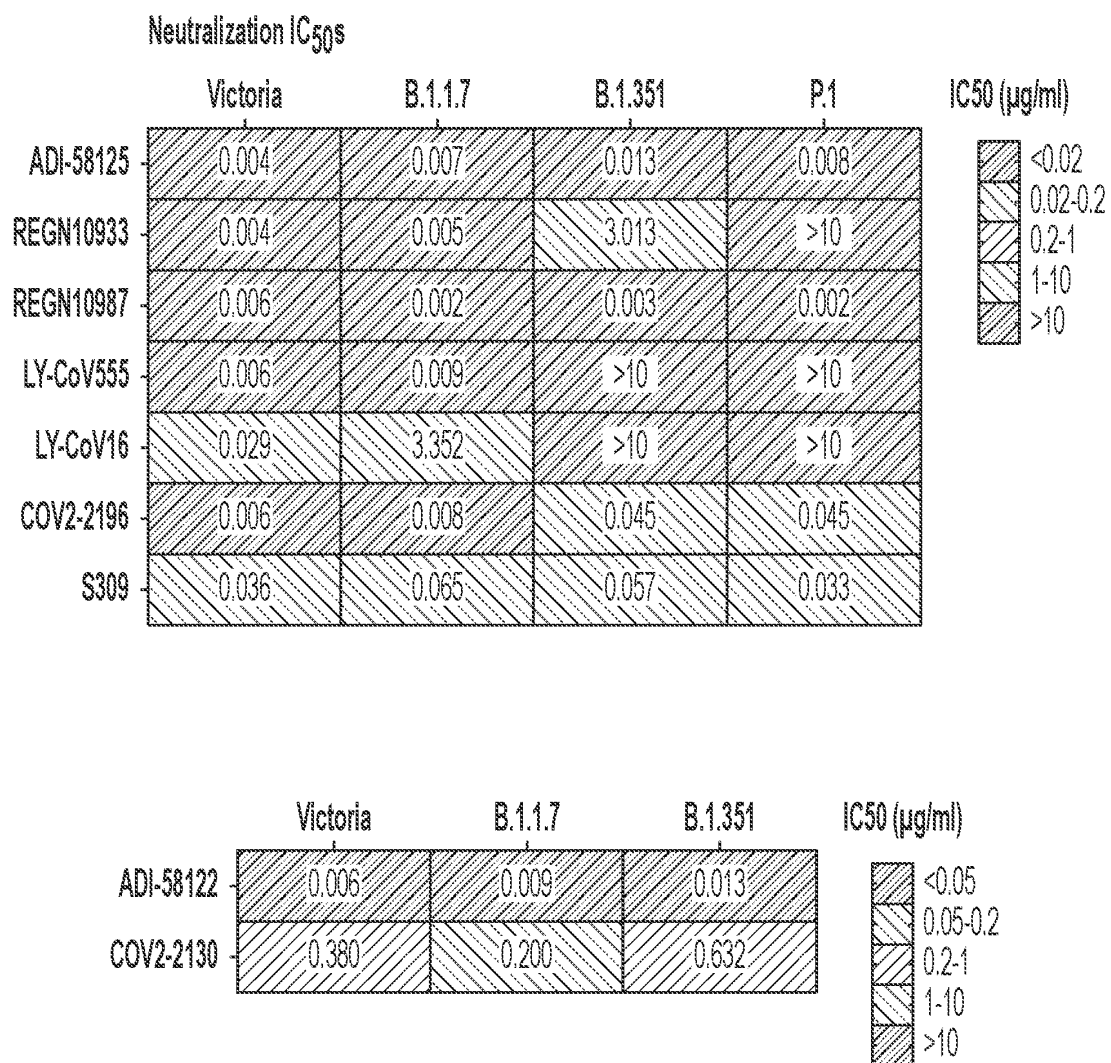


FIG. 50A

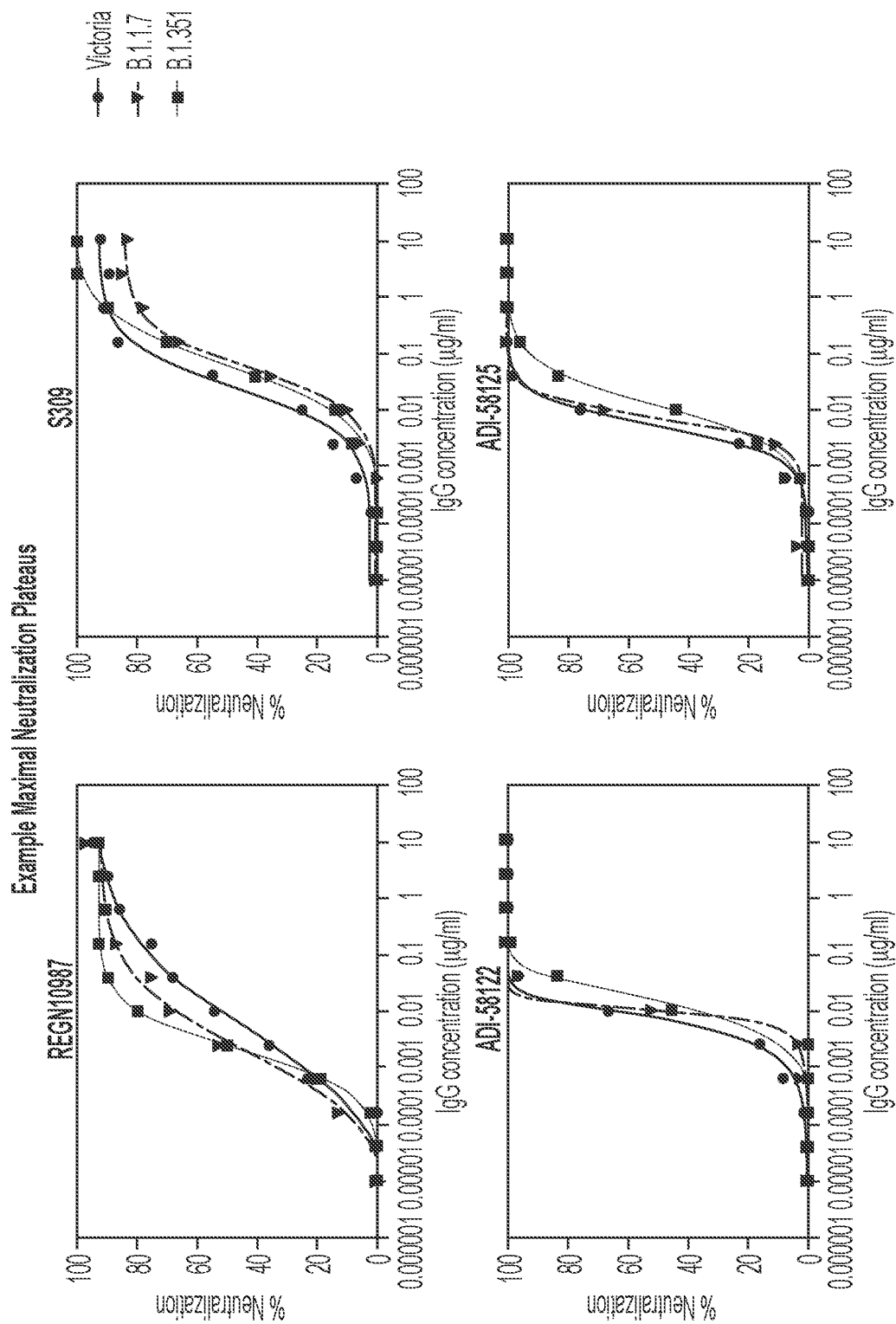


FIG. 50B

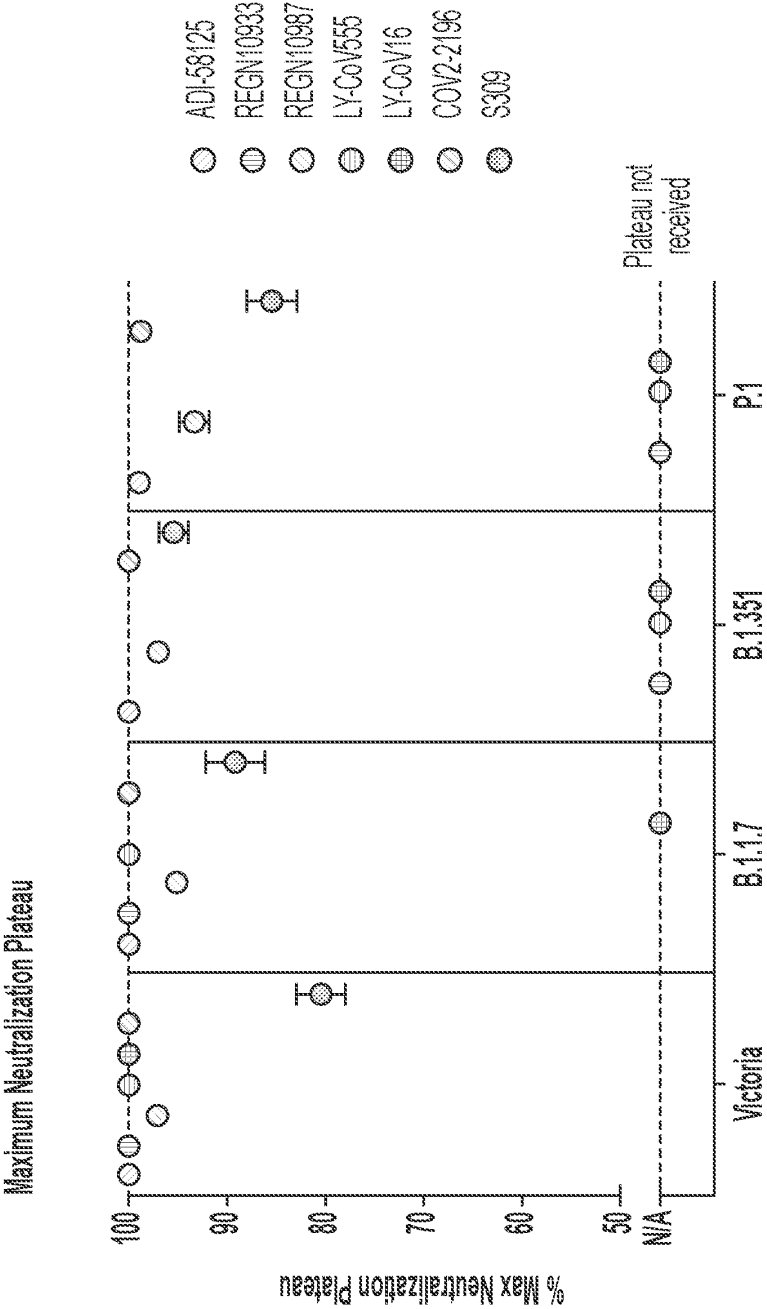


FIG. 50C

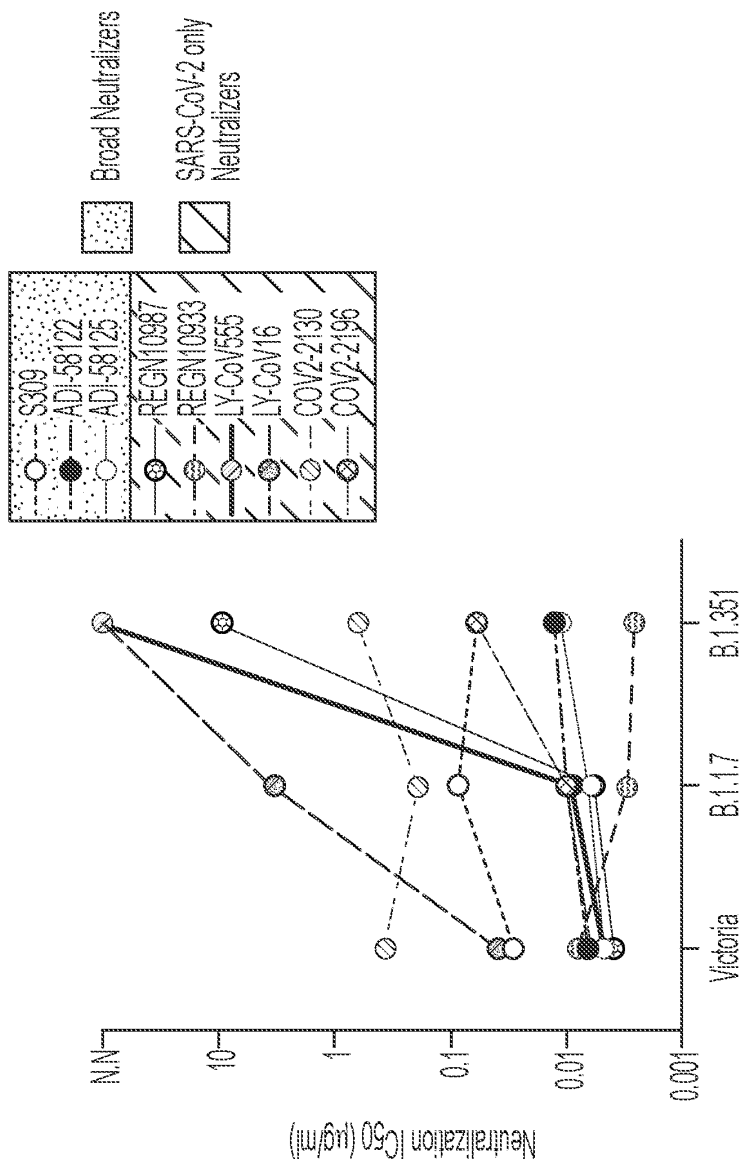


FIG. 51

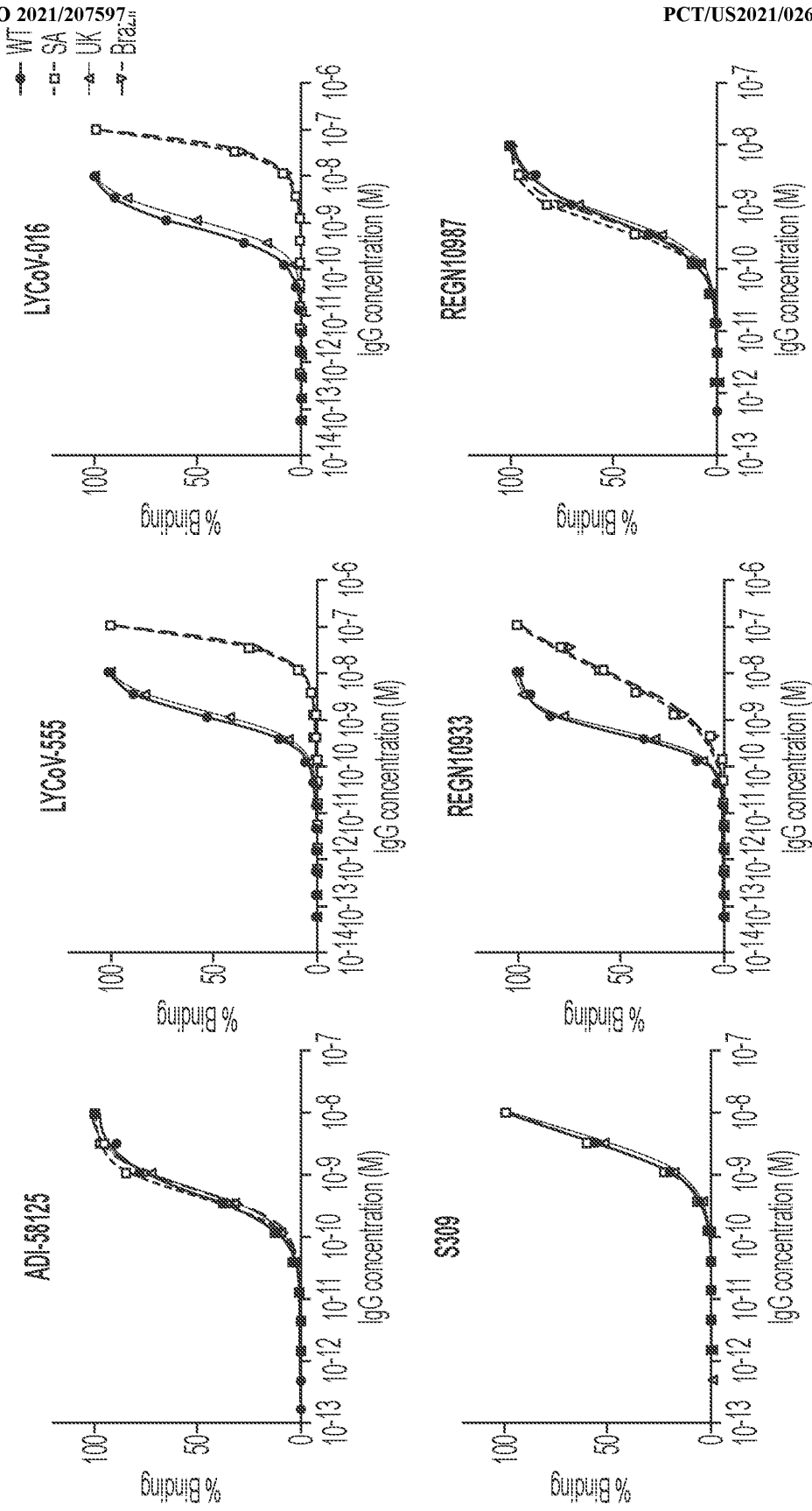
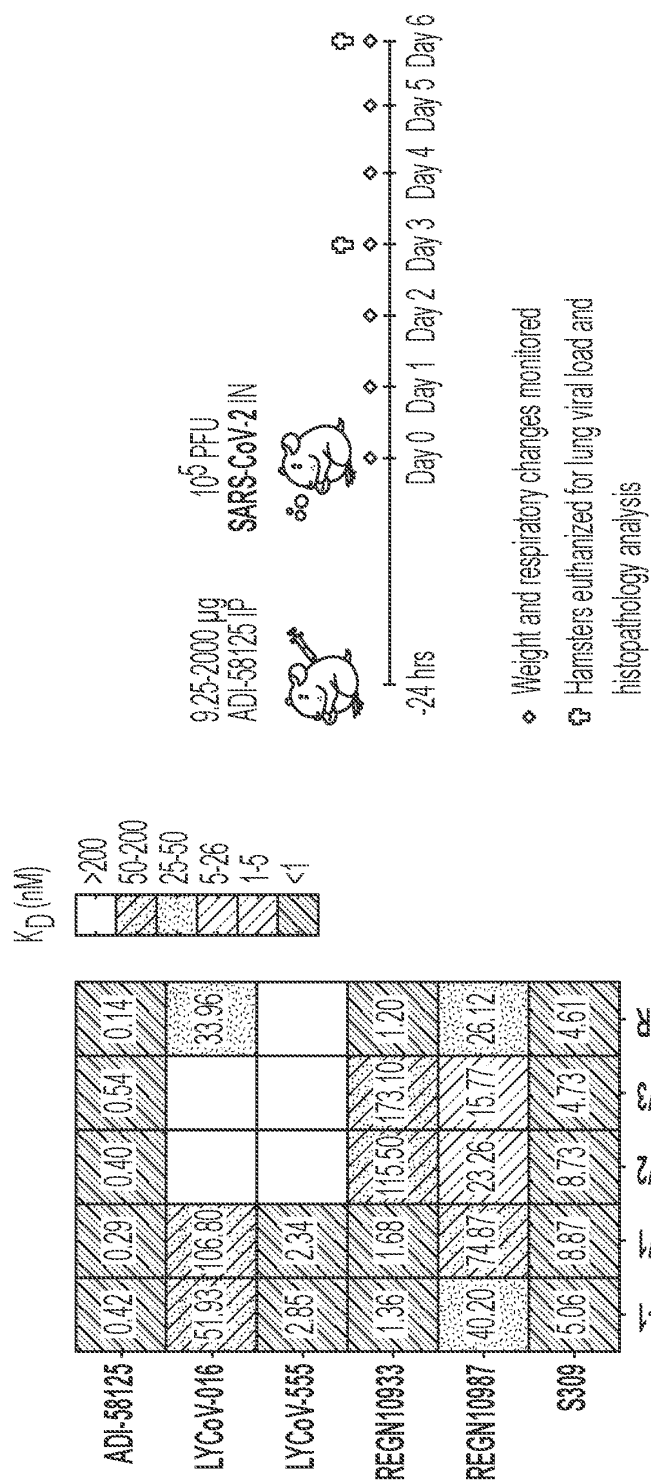
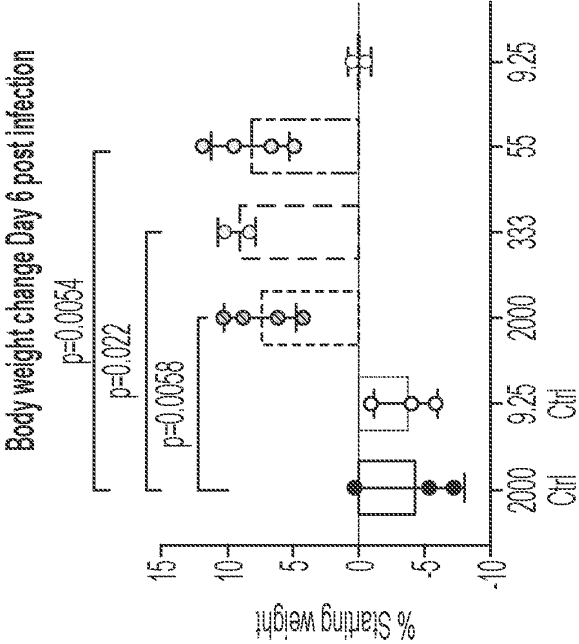


FIG. 52A

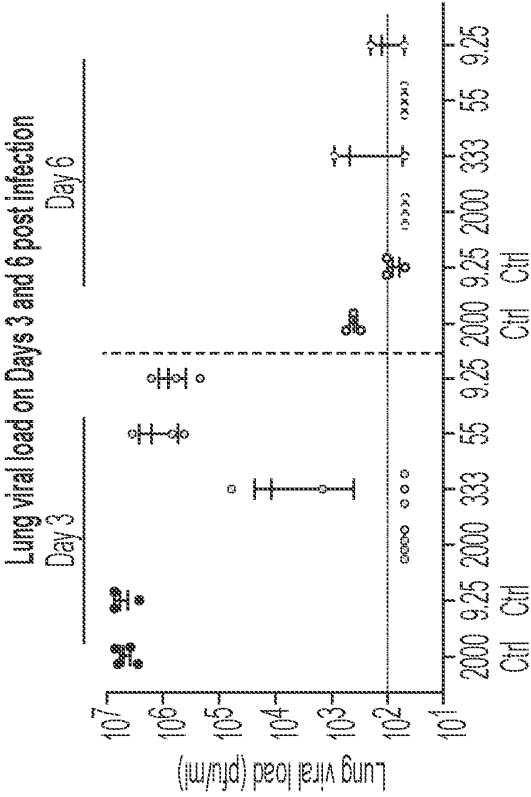


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ADI-58125 dose (ug)
FIG. 53C



ADI-58125 dose (ug)
FIG. 53B

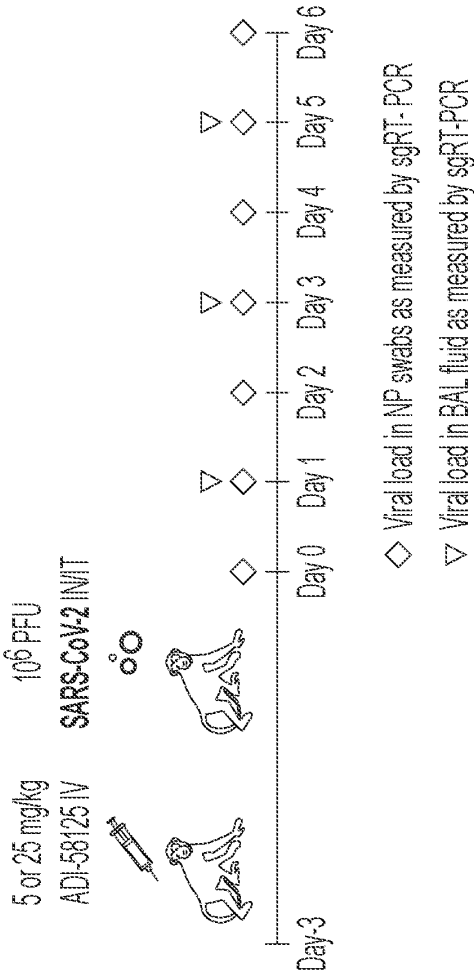


FIG. 54A

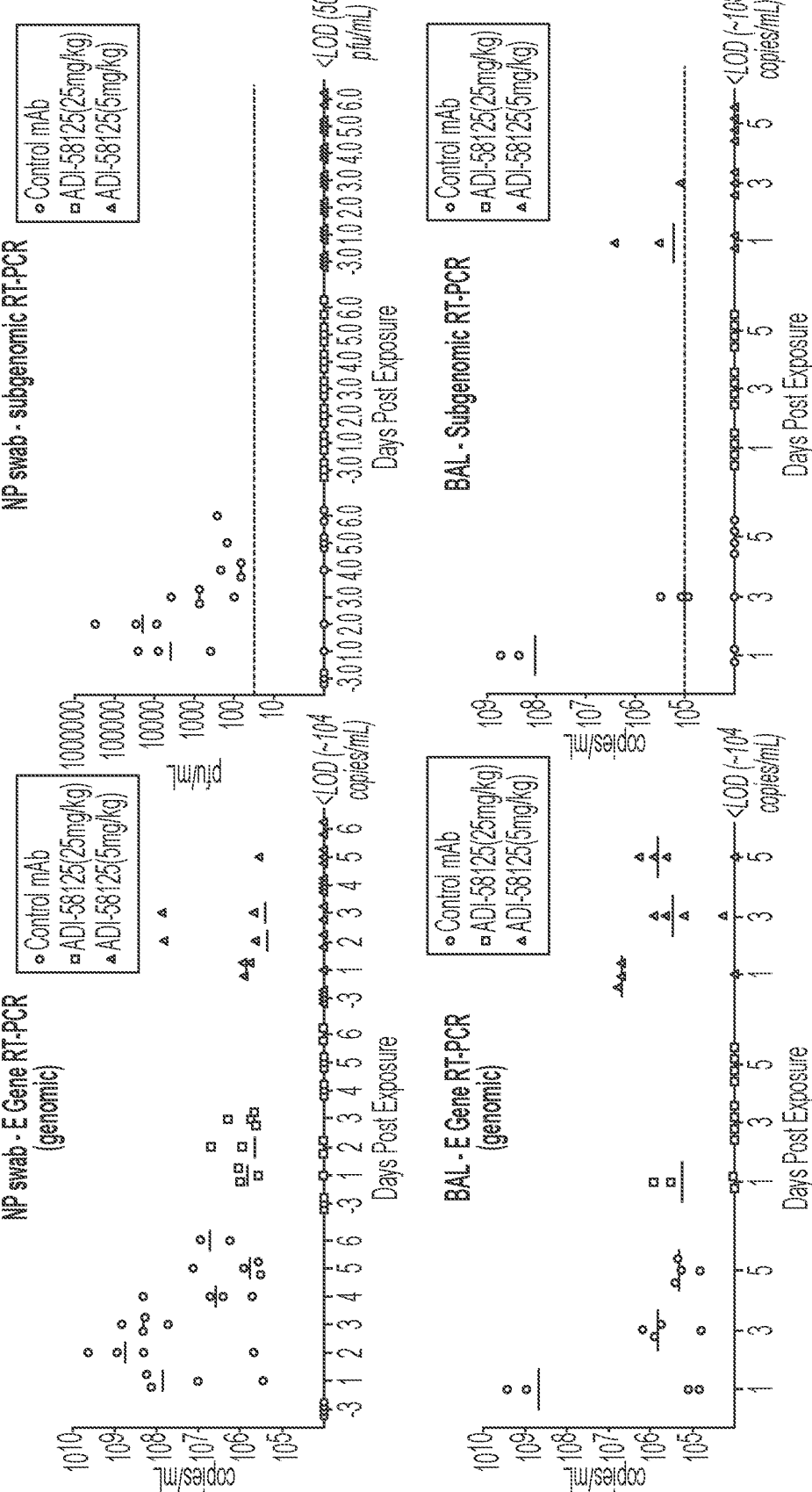


FIG. 54B