

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 1														
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(1)	1	10	20	30	40	50	60	74							
	(1)	TTTTATCCAGATTAACTTCTTCTCTTAAATGTACAGCAGTCCAGAGCTTAAAAATGAAACACAA-AAAAATTGCA														
	(1)	-----CGGCAC TGACGACATGGCATGTAGATTAAATAGACCATAGATTAG														
		Section 2														
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(75)	75	80	90	100	110	120	130	148							
	(74)	ATTACTTTTAAATGAAAAAATCCCTGTACTGCCATGAGATTAGTCCCTTAAACCCTGTAAAGATTGGGGAAAGAA														
	(47)	AGTAGATTTCGATGCTTTCAA GA--TGTA GCAGTATAAATTAATAAATAA-CTTGAATGCTATGATTTTTGAA														
		Section 3														
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(149)	149	160	170	180	190	200	210	222							
	(148)	ATAATTTTTTGTGCTCCATTACCTAAAAATTCCAAGGAATATTAAATTTGAATGAGAACATTTAAAAAT-ACC														
	(118)	ACATTCAGTACAAGCTGGATCGGAC--CTTCCAAGTTGGAACTATAT----ATGATCACGTTAATACTTGATT														
		Section 4														
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(223)	223	230	240	250	260	270	280	296							
	(221)	ATTTAAAAAATTTTCACTGAT-GATTAAACTGATGTTAA-ATTATTA-CACCTATTTCCTTGACAAATTTATAA														
	(186)	GTTCAAGAAATTTCAAGTTATCTGTTGAACGCGCCAGACATCTTATCGCTTAACCTTTTGCACAGTCTTATA														
		Section 5														
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(297)	297	310	320	330	340	350	360	370							
	(292)	AACTAACCTCTCTTTTCAACTCCATTATATTTTGTAGTCTGTAGAATTCCATTGATGTTATCTTGTTAT														
	(260)	AACTAAATACCT-TTTCGAGAAGTACTGTCTGCTATCG--CTACAGAGTGTAAT---GATTTTAGACTGACTAT														
		Section 6														
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(371)	371	380	390	400	410	420	430	444							
	(366)	TTTGGTCA--GTCTTTGAAGAAATAACAACCAACGATTATGCAACAGCAACCTGCACTAAGTCACCTGCTTAA														
	(328)	TTAGTTGAACGTGGTTTGAGGTCTTATAAACGTCGAATTCGTGGGGATATTACGCT----CTTCCCCTTAA														
		Section 7														
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(445)	445	450	460	470	480	490	500	518							
	(437)	TAAAGGAGAGGCCGTCACTACTCAATACACTCTTCTTTTATGAGCTAAATAATTAAAGCTTTATTTTGAATATA														
	(398)	TAA-CACTAGGCC--CATCACTTAAAAAATGCATAAAAACAT-ACCTT-TATTTAGGGTCTAGCTTGAAGCG--														

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		Section 8									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(519)	519	530	540	550	560	570	580	592		
	(511)	AATA	GTGCC	ATTTATA	CAC	AGAAAC	ACACATGA	AGA	TTATTTACTA	AATCT	CCATAT
	(464)	----	GT	CGT	ATTTATA	ATA	ATAGAC	T-----	ATT	TTCTTCTTAG	AATCG
		Section 9									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(593)	593	600	610	620	630	640	650	666		
	(585)	AAT	TTCTT	TCATT	AAAT	ATTA	CCCT	ATTT	AGTAT	ATGA	ATTTT
	(523)	A-	TCAAG	TAGAA	CA	CAAT	GTCC	GAA	TTGA	AAGG	ATG
		Section 10									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(667)	667	680	690	700	710	720	730	740		
	(659)	CTAAA	AC	CCT	CCC	TTGGT	TAT	TATAAG	GT	TAAT	TATTT
	(591)	T	TAAA	TT	CCT	AA-	TT	ACAT	TCC	TA----	G
		Section 11									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(741)	741	750	760	770	780	790	800	814		
	(733)	ACA	AAGA	TT	AAGCA	TG	AAA	CAAT	TAT	ATC	CC
	(660)	TAA	TGTT	TT	TTTAG	TG	---	CTT	TTT	TAT	AC
		Section 12									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(815)	815	820	830	840	850	860	870	888		
	(807)	CA	CTT	GAT	----	TTT	AAA	GAT	TGT	CC	AA
	(728)	AAT	CTT	AT	TGCGA	TTT	TCC	GCC	TGT	TAA	-
		Section 13									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(889)	889	900	910	920	930	940	950	962		
	(876)	TTT	GTA	CTC	CTTG	CA	CT	GT	TATT	GT	CAAC
	(801)	TAT	AGT	CTT	TC--	CAG	TTT	GAC	GT	TGGA	TGCT
		Section 14									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(963)	963	970	980	990	1000	1010	1020	1036		
	(950)	TAG	CGTC	AAAC	--	ACTA	AAG	GAACA	GAA	CAG	AGA
	(863)	TCG	CGTC	TTG	CTG	ATAT	ATT	G	TAT	GAA	TTA

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		Section 15																															
		(1037)	1037		1050		1060		1070		1080		1090		1100	1110																	
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(1022)	GGT	CAG	AA	TG	AC	CT	GCA	TG	G--A	GCTCT	GAGCAG	CTA	GGAA	G	CATC	AGA	AAAGC	ACTG	GGCC	ACT	AAA	CTTCT	GA								
	SARS-CoV-2 Reference Genome Shuffle No.1	(934)	---	CTA	AG	TG	CC	CT	TTG	TG	CTAT	GCTCT	TCTATA	CTA	AAAT	G	TTCT	AT	ATCTAT	ACTG	GCTA	---	ACT	CTC	CTTCT	CA							
		Section 16																															
		(1111)	1111		1120		1130		1140		1150		1160		1170	1184																	
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(1094)	G--	AG	TAGG	GAAG	GCAC	TAAAT	TAA	AG	TAGGG	AAT	TG	TCAA	AGACA	CTC	TAAAGAG	AAATCCAC	GAG	GCT	TC	A	C										
	SARS-CoV-2 Reference Genome Shuffle No.1	(1004)	GCT	ATT	TAC	GCCT	GT	AC	GATG	TAC	G	AG	CCAAA	AT	TAT	TAT	ATA	AAC	CTC	AAAAGAG	-----	GC	GCT	GTA	T								
		Section 17																															
		(1185)	1185		1190		1200		1210		1220		1230		1240	1258																	
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(1166)	TGAAT	TC	CAC	-AT	TT	TAAAT	TAGCA	TT	ATTT	TAT	AT	T	TAG	TGACA	TTT	TCAA	AATT	T	ATG	TC	AG	AA	TCATGACG	TT							
	SARS-CoV-2 Reference Genome Shuffle No.1	(1070)	TGTC	TG	CT	CG	AT	A	TG	AC	GT	T	AA	GC	ATTT	TG	AT	AT	T	GAT	T	GAT	T	GTG	TT	GGAGGTTGC	TC						
		Section 18																															
		(1259)	1259		1270		1280		1290		1300		1310		1320	1332																	
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(1239)	GAAA	A	TAG	GAT	TCT	GAA	ACT	AAG	GGG	GAAA	AAT	A--	T	CCCC	T	TAA	T	TAA	G	TCAT	GG	AGG	TAG	TT	GG	C	-T	G	A	CTT	
	SARS-CoV-2 Reference Genome Shuffle No.1	(1137)	GT	AA	GC	G	--	TCT	TTT	ACT	TT	G	CAG	C	ACG	AAT	CAC	T	GGTA	T	TAA	AT	TTT	G	TCAT	TAA	ACT	TTTT	TT	AA	C	TTA	TAA
		Section 19																															
		(1333)	1333		1340		1350		1360		1370		1380		1390	1406																	
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(1310)	TGG	CAA	TG	AAA	TT	TAA	CT	TAT	TCTT	T	TT	CC	AT	TC	TCT	CAT	ACGTA	CAC	T	CGCT	AC	ACC	TT	ACT	TG	AA	CA	AGCT			
	SARS-CoV-2 Reference Genome Shuffle No.1	(1209)	CTT	CGT	TG	GTG	TT	G--	CT	AGGGG	CC	T	AAT	GAA	AT	CC	CAC	CAA	ACGTA	ATT	TG	TGAC	AT	TAA	TTT	TT	C	AAAA	AA	AGG			
		Section 20																															
		(1407)	1407		1420		1430		1440		1450		1460		1470	1480																	
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(1384)	GAAAA	T	CA	A	TAAA	TAA	TGCAT	T-	CG	T	TAA	T	GAT	T	AGT	A	TAA	C	CCG	AAA	G	GAA	AG	GAA	AG	CT	GC	T	GGAG	CCA	
	SARS-CoV-2 Reference Genome Shuffle No.1	(1281)	GCTCC	T-	CAG	TA	TT	TAA	TGCAT	AG	CG	G	TTT	T	CCAT	TG	AGT	T	TAT	C	TAT	AA	C	G	C	AC--	GAA	TT	CT	AA	T	TTT	CCA
		Section 21																															
		(1481)	1481		1490		1500		1510		1520		1530		1540	1554																	
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(1457)	C	TCCAC	AG	GTC	T	CCCA	C	TT	TG	C	AAA	AGC	GAT	T	ACT	G	T	GTG	T	CAGGG	CT	GAT	GG	CAT	GA	ACCC	AGCT	G	T	GGG	A
	SARS-CoV-2 Reference Genome Shuffle No.1	(1351)	G	TATGT	AGA	AG	T	CCCA	A	T	ATC	---	AGC	TG	TT	G	CTT	T	TGAG	ACTAA	CT	TATG	T	CAT	TGGG	AT	AGCT	AT	ACCA	AA			

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		Section 22									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(1555)	1555	1560	1570	1580	1590	1600	1610	1628		
	(1531)	G	C	-	A	G	G	G	A	T	G
	(1421)	A	G	A	T	A	C	G	T	G	T
		Section 23									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(1629)	1629	1640	1650	1660	1670	1680	1690	1702		
	(1603)	C	T	C	C	A	A	G	G	A	T
	(1491)	-	T	C	C	G	C	A	G	T	-
		Section 24									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(1703)	1703	1710	1720	1730	1740	1750	1760	1776		
	(1677)	G	C	G	C	C	A	A	G	G	A
	(1547)	G	C	G	A	A	G	C	A	A	T
		Section 25									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(1777)	1777	1790	1800	1810	1820	1830	1840	1850		
	(1750)	-	A	C	A	G	A	G	G	T	G
	(1608)	T	A	C	T	C	C	G	C	G	T
		Section 26									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(1851)	1851	1860	1870	1880	1890	1900	1910	1924		
	(1823)	C	T	G	T	G	T	C	A	T	G
	(1678)	C	A	G	A	T	C	C	A	G	T
		Section 27									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(1925)	1925	1930	1940	1950	1960	1970	1980	1998		
	(1894)	A	T	T	T	C	A	A	A	G	T
	(1751)	T	T	G	T	T	C	A	A	T	C
		Section 28									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(1999)	1999	2010	2020	2030	2040	2050	2060	2072		
	(1968)	G	T	T	A	T	T	C	T	T	C
	(1814)	A	G	G	A	-	-	-	-	-	-

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		Section 29									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2073)	2073	2080	2090	2100	2110	2120	2130	2146		
	(2042)	TGGAGG	TGGAAAT	TACCCATCCAT	TAATGCCAT	TGATGTACTGAGACATAT	ATGTGAAAA	TAAAAAG	TGAT	TTCC	
	(1877)	TCGATC	TGGGAAAT	TTCGCGCAAG	TATCCACT	TGTATACAG	-GATGAGCAG	GTAGTCT	TGCGTTA	TAGTTAC	
		Section 30									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2147)	2147	2160	2170	2180	2190	2200	2210	2220		
	(2116)	AAATTTAG	CAAAAGCTCA	TTAATT	TAGAA	TCTATTGAT	TTTTTAAT	TAAATGC	TAA	TTGGCCAC	TTGTGAGCTAT-
	(1950)	ACTATTAT	CT-----	CTCGTTA	---TCCGT	TAGATAGT	TAGTAAG	TGAATGC	AGCTACT	CTA-TTCT	TACGCTATT
		Section 31									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2221)	2221	2230	2240	2250	2260	2270	2280	2294		
	(2189)	-ATAGAAC	TATTT----	TAAAAAAC	AGAT	TATTT-	ACTAGCTGT	TGACCT	TGA---	GAAATT	GAC-CTAAC
	(2016)	GCTTTACG	TAGTTGTCA	TATTTT	TGAGGC	TATAGG	AGGAGT	TGTCTG	GTTTGA	TTCGAAAC	GGCTCTTTT
		Section 32									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2295)	2295	2300	2310	2320	2330	2340	2350	2368		
	(2253)	CTCAGATT	GAAAGTGGG	AGTAATATCT	TATGACG	GTTTCTATG	AGGAT	TAAATA	CATATGT	GAA	GTACATAT
	(2090)	CAAAGAT	CTAGCTAG	AACGA-ATCT	GTTTTCAT	GACAC-ATG	TGGAT	ACCTAC	CTAAGT	TCTG-ATA	AAC
		Section 33									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2369)	2369	2380	2390	2400	2410	2420	2430	2442		
	(2327)	CAGTG	CTTCACATATA	CTATTAGT	TCTTTCT	CTGTGTATAT	TACCATA	TTTACTT	GCA	TTGTGCTTC	-TTGGTA
	(2161)	AAGTG	-----TATA	ACACCAGT	ATCTGAC	TAAAGAA	TATCCATA	A--ACGC	GAGGAC	GATACAT	AGGTCTC
		Section 34									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2443)	2443	2450	2460	2470	2480	2490	2500	2516		
	(2400)	CTTTCTCT	TTTAAAA	TGGGAAT	AACAGTT	GATTCAG	GAAATAT	TTATGTAT	CTCATT	GTGGAAAAT	ACCGCTTCT
	(2226)	CACCGAG	TGGGAGCT	TCAAGAT	GCCTGAT	GTATTGAA	CGTCTACT	CTATTTC	GTTT	TTTCGTTCA	AGTGGTCTT
		Section 35									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2517)	2517	2530	2540	2550	2560	2570	2580	2590		
	(2474)	GGCA-GTGT	CTGGGGT	CCTGCGC	C---AAGACA	GGAACAATT	CAGGGAAGC	AGGCCAAG	GACTTTG	ACTTACTC	
	(2300)	GACATGGGT	TTGGTGGTA	GCGCTTAA	ACGACACA	ACCTATT	AAGGCTAT	AAGCTC	ACGCAAGCA	AAATATC	

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		Section 36									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2591)	2591	2600	2610	2620	2630	2640	2650	2664		
	(2544)	TGC	AAAGGA	AAAGGT	ACTATATG	TCA	GTTATTTAT	GTA	TTTATTGGA	GACAGG	ACCC
	(2374)	T	--ATC	GGA	GCTGCC	AGAACT	TTTCT	GT	CGGGGAT	TCT	TACAAAATC
		Section 37									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2665)	2665	2670	2680	2690	2700	2710	2720	2738		
	(2618)	TGG	AGTGC	AGTGGT	GAGATCA	TAA	ATTCATT	GCA	AACTCAAAC	TCCT	TGGGTC
	(2446)	T	TGCACAA	AATTTG	GA	TTACT	TAC	GAGGCG	GAAAA	TC	TTTTCT
		Section 38									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2739)	2739	2750	2760	2770	2780	2790	2800	2812		
	(2692)	TC	CAAGT	AGCT	AGGACT	AGAGCA	TTCTC	CATCA	T--G	ACCAGCT	AATTT
	(2519)	TC	TCAGCA	---	AGTAT	TTAA	CGCT	TATGG	CATCA	AACG	TTATC
		Section 39									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2813)	2813	2820	2830	2840	2850	2860	2870	2886		
	(2764)	CAG	GCTCT	CAC	TATG	TG	CCCAAG	CTG	GTC--TT	GAACT	CTTGGC
	(2586)	---	GTTC	CTAT	TTTGT	A-----	CTG	TAA	TTGTT	CA	CAGGGC
		Section 40									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2887)	2887	2900	2910	2920	2930	2940	2950	2960		
	(2837)	AGT	TGCT	GAG	ATTACA	GGC	ATGAG	CCAC	CA	ACCCAG	ACAT
	(2650)	GAC	TG	TGGT	ATGGGC	GCT	ATGAG	TAT	CA	AGAAAG	ATAC
		Section 41									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(2961)	2961	2970	2980	2990	3000	3010	3020	3034		
	(2911)	AAC	AGA	CATT	TGCCGA	CA	CAGT	GGCTC	ATGCC	TG	TAA
	(2712)	AGG	GGA	TTAC	TG	CTTAC	CA	GGA	GGCTC	CATGT	TG
		Section 42									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3035)	3035	3040	3050	3060	3070	3080	3090	3108		
	(2983)	CTT	GAG	CTCAG	GAGTT	CAAGA	TG	GC	TTGGG	CA	CA
	(2786)	TGG	GAG	G	TAC	G---	TG	CAAGA	CTG--	TTAGGA	AA

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		Section 43							
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3109)	3109	3120	3130	3140	3150	3160	3170	3182
	(3057)	GGCAT	GGTGGAC	CTGTAGTCC	CAGCTACT	TCGGGAGGCTGAGGC	AGGAGGATTG	CTTGAGCC	CAGGA
	(2852)	GTCAAT	GGTGTATCTG	ACAACCTG	GTGTCTT	TATTT	AACTAAAGC	TTCTGGA	CTTGAGCCCGC
		Section 44							
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3183)	3183	3190	3200	3210	3220	3230	3240	3256
	(3128)	GGTAGAGG	CTGCAGT	GAGCTGAG	ATCCCTT	CACCTGCAC	TCAGCCTGGT	GAACCCAGC	CTGAGTGAC
	(2918)	CTTTT	CTAGATTAA	TAATAA	ATTA	CTTAC	GAGTTCTAC	GTCACTAT	ATGCTTTAAATA
		Section 45							
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3257)	3257	3270	3280	3290	3300	3310	3320	3330
	(3201)	GAGAGC	CTGCCCC	TGCA	CCCCAAAAA	TGGAAAGAA	-----	AGAAACAGAT	ATCCATGGAGC
	(2987)	TATGTA	CTGTATT	TTCA	TTGTATT	ATTCTG	ACGATGTGGGC	GATCGC	GACATTTTA
		Section 46							
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3331)	3331	3340	3350	3360	3370	3380	3390	3404
	(3270)	TGGCTTT	CATGGTGC	---CATT	GCCAA	TTCTATAG	AAAAAGAGATTAG	AAGAGTAC	AAATAA
	(3061)	TAGTTTT	TATAGT	TTTTTT	ATTATT	AAAACTAA	ATCTCA	TTAATTAG	TGTTGTCA
		Section 47							
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3405)	3405	3410	3420	3430	3440	3450	3460	3478
	(3341)	TAA	TGGA	CTCAGTAA	GCGCGGCAG	ATCACG	CCTGTAAT	CCCACAC	TTTGGGAAG
	(3134)	TCTTT	TGA	---AGCA	ATGTCTAT	TTTTT	ATAGCT	CTATTAAT	---AAGGT
		Section 48							
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3479)	3479	3490	3500	3510	3520	3530	3540	3552
	(3410)	ATCACC	TGAGGT	CAGGAGTT	CAGACCA	AGCCTGG	CCAAACAT	GTGCAAA	ACCTTGTCT
	(3200)	AATCAT	TCA	TTGGTGT	GTTT	GAGGTA	AAGCTCC	CCCGATAG	TTATACAG
		Section 49							
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3553)	3553	3560	3570	3580	3590	3600	3610	3626
	(3481)	AAA	TAGCCGAGC	ATGGTG	GCA	-----	CAAGCCTG	TAAATCC	CAGCTACT
	(3273)	TCGTG	ACTTTCTA	ATGGA	GCA	GTTATAACA	ATTCAAC	CAATTAAC	CCACAATA

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		(3627)	3627	3640	3650	3660	3670	3680	3690	3700	Section 50
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3542)	A G A A T C A C T T G A A C C C A G G A G G C A G A G G T T A C A G T G A G T - - G G A G A T C A C A C C A C T G C A C T C C A G C C T T G G - - G C	(3347)	A C A A A - A C T A C C A G C A A G C G G A T A T T T A T T A G A G C T C T T A A G G A C A T A A A A T G C C G G T T T A A T A G T A T A G T T T G T							
		(3701)	3701	3710	3720	3730	3740	3750	3760	3774	Section 51
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3612)	A A T G G A G T A A G A C T T C A T T G A A A G A A A G A G A G A G A G A G G A A G A A G G A G G G A G G G A G G A A G A A	(3420)	G A T C T A C G C C C C C T T A T G T T T C C T C A C T C G A C T G C - A G A A C G G A A A T A G C T A G G T C G G G C A T C C T G A A A T G C C							
		(3775)	3775	3780	3790	3800	3810	3820	3830	3848	Section 52
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3686)	G G G A A G G A A G G G G A A A A G A A A A A G A A A G A A G A A A G A A A A G A A A A G A A A G A A A G A A A A G A A A A A A A A	(3493)	A T T C C G C A C C C T T A G T G A T C G A A T A G G C T T T T T C A G A T T C A T A T A T A A A G A G T G A A T - A T T T A C A G G C C - A A A							
		(3849)	3849	3860	3870	3880	3890	3900	3910	3922	Section 53
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3760)	G A A A G A A A G A A A A G A A A A G A G A G A G A G G A A G G A A G G A A G G A A G G A A G G A A G A A G A A G A A G A A G	(3565)	T C G T T T A T G A T T C G C C T A A T T G T G T A T A C T G T A A C T T A C T T G T A T T T G G A G C G T A A T T C C T A G A A T A T G T G T C							
		(3923)	3923	3930	3940	3950	3960	3970	3980	3996	Section 54
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3834)	A A G A A A G A G A A A A A G G A - - A A G A G A G A A A G A A A G A A A G A A A G A A A G A A A G A A A G A A A G A A A G	(3639)	A C G A T G T G T C T A A G A C G A T T A A T C G C A A A A G A C A G T G T A T T A A T A A A T T A A A C C T A C T T C T G G G G A A A T G C T A G							
		(3997)	3997	4010	4020	4030	4040	4050	4060	4070	Section 55
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3906)	A A A G A A A G A A A G A A A G A A A G A A A C G A A C G A A A G A A A A G A A A A G A A A G A A A C G A A A C G A A A G A A A G A	(3713)	T A T C C T A C A T A T T C A T - - - - - C T G A C G A A T G T T G A T T A T A G T A C T C G T C T T C A T T T C T T T C G T G C T C G C							
		(4071)	4071	4080	4090	4100	4110	4120	4130	4144	Section 56
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(3799)	A A G A A A G A A A G A A A G A A A G A A A G A A A A G T G A G G A G A G G A G G A G G C A G A A G A A G A A G A A G A A G A	(3781)	A G C C A C A T A G A A C - - - A C A T A A A T C C C T C A A G T C T A C G G C C C A C A - - - A T T T A G - A T G C A A T T T T T G C A A T G T							

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		Section 57									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4145)	4145	4150	4160	4170	4180	4190	4200			
	(4053)	AGTAAATAAATAGCATGGACTCTTC	TCA	---	TC	CTTATATTCTCTCTAAAT	TGCA	TTT	TGTT	TTCT	TTTG
	(3848)	GTTCCTCAAAAGATGACGTT	CATAGG	TCA	GGG	TC	CAAATACG	CAG	CTA	AATG	ACTCA
		Section 58									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4219)	4219	4230	4240	4250	4260	4270	4280			
	(4122)	TGT	TTTT	TAGGAT	CTG	CAAGA	ATAT	CTCTA	ACAT	GGAG	ATT
	(3922)	TCG	ATTT	CAGCTCG	CTG	TCT	GAGAA	CACTA	TTTA	GGAG	TCT
		Section 59									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4293)	4293	4300	4310	4320	4330	4340	4350			
	(4195)	TTTC	AGGC	TTAG	CGAT	GATAG	T---	AACAA	AGGA	--	GAAA
	(3994)	TG--	AGG	TTT	TTC	CAAT	CGTA	ATTAG	AACAA	GTC	AAG
		Section 60									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4367)	4367	4380	4390	4400	4410	4420	4430			
	(4263)	ACAGAT	TTTT	ACAG	ACT	GATG	AAAG	TATG	ATTTT	TGG	CTCT
	(4066)	AACGAT	---	AAG	CC	GAAA	AAAT	TA	-----	AAG	TGAG
		Section 61									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4441)	4441	4450	4460	4470	4480	4490	4500			
	(4337)	A	TAG	CTG	T	TGGG	ATG	ATA	AAAT	TTAA	AT
	(4119)	G	TAG	TG	ATA	--	ATA	AT	AAA	AT	TT
		Section 62									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4515)	4515	4520	4530	4540	4550	4560	4570			
	(4411)	GAT	CTCA	AGAC	ATGAC	TCT	GAA	ATT	AAAG	TAT	CT
	(4184)	TAT	TTAC	AAAT	ATCGT	TAC	GAGA	--	AA	ACT	TGGA
		Section 63									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4589)	4589	4600	4610	4620	4630	4640	4650			
	(4485)	GT	AAT	CCA	AT	AAT	CAT	GCA	AAT	-	GTT
	(4256)	C	AGT	GCA	CA	AGC	CGA	GATT	AATA	GTT	CA

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		Section 64														
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4663)	4663	4670	4680	4690	4700	4710	4720			4736					
	(4554)	AAATTATGTTTAAGCCATGGCAAGTCAC	TGGTGC	ACTAAACAAGACAAT	GAGAGT	GTGC	ATGATT	GTC	ATAT	T						
	(4327)	TGATTGATATATAGTCTTATAACA--TCATTAA	TGCTGGT	AACAA	-ATTAT	CTATCC	GT	TTAT	AGCGGG	ATAA						
		Section 65														
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4737)	4737	4750	4760	4770	4780	4790	4800			4810					
	(4628)	TTAAACC	AAAGCTGTGA	GAGAGC	TTCC	TG	GTC	CACTG	TTCT	TGGG	ATATCT	AATTTGCC	AACAGT	TGAA		
	(4397)	AGTAA	TTAA	CAT	TG	CA	AG	GAG	-TTCC	AT	GTCA	AA-TATCTATGT	GAG-TCTGT	---AATTC	GAT	A-----TGGA
		Section 66														
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4811)	4811	4820	4830	4840	4850	4860	4870			4884					
	(4702)	CTATA	AAAAATGATG	TGTCTT	TAGCTAA	CTCAAC	TTTAA	TTTC	-TTGTAT	CTTAC	CCAA	ATTTCC	AAATAT	TTT		
	(4460)	CCC	TA-----	TGTCTT	AGCAAA	AAAA	AA	TTCAA	ATT	CGG	TTATA	GTGAAG	CCGA	---CCT	AGCTACTA	
		Section 67														
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4885)	4885	4890	4900	4910	4920	4930	4940			4958					
	(4775)	TCTAAG	TAT	TGCAAT	TGTGAAT	TAAATTT	CTAACAG	TAAACAG	GGATATAG	TTTATG	GAG	TTTTATT	TTC	TGAA		
	(4521)	TGGAA	CTT	CTCAGT	TATG	TGTTGGG	TTAACTA	CATT	TCTA--GTC	TAGACTAT	CATGCA	-----AGG	TTC	AAAG		
		Section 68														
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(4959)	4959	4970	4980	4990	5000	5010	5020			5032					
	(4849)	G-TAG	ATAACTC	AA	GAATGT	TAAGGA	AGTAAAGCA	AAAAA	AAAGAGAC	CTCAAGT	GATTTTT	TTTGT	AGCC	TGAT--		
	(4587)	GGTTG	TGAGCTC	CTGC-TCT	GAGGA	TAGAA	GTTAT	GCGAC	GGCTTC	-CGATA	GAC	TTTGGC	GT	AGCC	GAAACG	
		Section 69														
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5033)	5033	5040	5050	5060	5070	5080	5090			5106					
	(4920)	AA	TTAGTTT	TTGTT	TTCTTT	TTAATCT	GAA	GATCT	TGGAGGA	AATGAT	TTTACT	TTAT	AATAA	GAA	ACTTG	
	(4659)	AA	CAATACA	TTGTT	CG	CCC	TT-AT	TATCAAT	GT-TGATA	AGGTAA	-GACTT	CCCATG	AG-----GCG	ACTTG		
		Section 70														
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5107)	5107	5120	5130	5140	5150	5160	5170			5180					
	(4994)	GAC	-TTATAT	CAGCAAGA	ATTCTATTGG	CTG	GGCT	CACA	CAATCTG	G-ATTAC	AGGGAAC	--ACT	CCT	TGAAA		
	(4723)	TAC	CTTTTA	ACTG	-AAGA	C-----	CTGAAGC	CATT	CAATCTG	TCATT	ACGTG	CAATGA	AGTTG	TCTATA		

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		Section 71									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5181)	5181	5190	5200	5210	5220	5230	5240			
	(5064)	CTTTT	TATTCTTTT	ATTTTGT	TAA--A	CTATTTC	AGATT	TTACTTTT	TATAT	GACACT	TT-GAGTCACTATGAGT
	(4787)	CGAAT	TGGTTGA	AGTTTGCT	CATAG	CTATT	CGATT	TTGGCT	AATCCG	ATTC	CTGTGAGGGCGAGTTAATGA
		Section 72									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5255)	5255	5260	5270	5280	5290	5300	5310			
	(5135)	CAA	ACTGGGTA	GTGATAT	CACTCT	GGAA	GGGTAA	AATAGTT	CAAA	AAAAT	AGTAGCTCTGATCAATGCTT
	(4860)	CGT	ACTGGGTA	TGCTTTT	T-TG	TAAACA	CTTCC	-GGATA	CCAAT	TCGTC	ACGCCAGTTTCTGCGGCAATGTTT
		Section 73									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5329)	5329	5340	5350	5360	5370	5380	5390			
	(5209)	CA	AAATTC	TGTTG	CACAT	TAGATT	CAG	CAGAGTAC	CATTCA	AAAACAT	ATAATACCAGGTTCCCAGGTGGT-C
	(4931)	TT	AAATTC	TGAGA	CACAT	TGAAGATGT	CAT--	TACGGA	TACAA	ATCTCGA	-TACACTGACTGTAGGTGGTTC
		Section 74									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5403)	5403	5410	5420	5430	5440	5450	5460			
	(5282)	ATG	TCCTTAGTA	T-TAGTT	CTTTAA	AAACGC	TACT	CAGTTG	-ATTT	TAA	TGTGCAGATAGAAATAAAACACTCTG
	(5001)	CCT	TGTTGTACC	T	CAGACAT	TAAAGTGGTT	TACT	TATTAGT	ATTATAA	ATTAA	ATTCAAAAGCAAAAGTATTCGG
		Section 75									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5477)	5477	5490	5500	5510	5520	5530	5540			
	(5354)	CT	TCAGATA	--AA	GCATTTT	TTT	TTTTTT	TACAT	AGAA	AGAGC	ACTTCAAGGGTTATGTCCATCACAGTTCC
	(5075)	GT	AGAAAGCGCTGT	GCATTTT	GGT	CTAAT	TAAAGAAC	AAAGAC	-CTAGG	ATGTT	CATGTCTTATTTTGACTCC
		Section 76									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5551)	5551	5560	5570	5580	5590	5600	5610			
	(5425)	CAG	AA-TAT	GGAGAA	TGAT	CAATA	-AAA	GTAGAA	CTTCA	ACTA--	TTTGAATCCATCAGGT-TAAACTTTTTC
	(5148)	ATT	AAGTAC	GGCTGG	TGCT	TAACT	AAACTA	AGCAT	TCGAGA	ACTTTT	CAATAAAATGCCTAATGAGTTTC
		Section 77									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5625)	5625	5630	5640	5650	5660	5670	5680			
	(5494)	TGT	AAATGGGT	CTGAC	AGT-AA	ATACTT	--TAGGT	GTAGA	-AGGT	TATAGG	GTGCCTGTCGCAGCTACTCAAC-
	(5222)	AGG	AAATCAT	TAACA	AAATTT	AAATA	TGTGTC	TAGGT	TGAGAG	CCGTGTCAT	GTTTAAACGATAAATGCTCAACG

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			Section 78									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5699)	5699	5710	5720	5730	5740	5750	5760	5772			
	(5562)	--TCTGCTGGTATTTCAAT--CTATCATTTGTAGCACAAAGCAGCCACAGACATAATGAACCAATAT--TGTCT										
	(5296)	TGTCTAACTGAGTACAATAACGTATCTCTCCGTCTAATATGACCTCCCAAGTATACTCACCTTAAGACTTGTAC										
			Section 79									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5773)	5773	5780	5790	5800	5810	5820	5830	5846			
	(5630)	AGCT-----GTGCTCCAA-TAAAACTTTATTTTACCAAAACAGGCACATGTTGGATT-TGGGCCACTGGTCT--A										
	(5370)	ACTATTTTAGTGC AAAAAGTAGGGCTGTTTAGATAACAGTATAGAAAAGTTCGGATAATATTCTAGTGTTTTGA										
			Section 80									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5847)	5847	5860	5870	5880	5890	5900	5910	5920			
	(5695)	TAGT--TTGCC-AACTCTGGCAATA--CATCACCTCTCAATTTTGTCAACTTTTGTCAATTTTATC ACTATAGC										
	(5444)	TAGTGATAGAAATAAGGCGATCTATAATTATCACACATAAATGGTGA CGCGTCGTACCAAGCCGT-AGATAAA										
			Section 81									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5921)	5921	5930	5940	5950	5960	5970	5980	5994			
	(5764)	TTTATTTTTATAGTTTAAAATATATATTGTTTATAAAAT--ATTGCCAT-GGATTAAACCAC T----AACTAGCT										
	(5517)	TTAACCAACAT TCC TTTAAATATC--TAGACTAGAAATTTCTATAGCCAT TGGCGA AAACCTT TTATCAACGATCA										
			Section 82									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(5995)	5995	6000	6010	6020	6030	6040	6050	6068			
	(5831)	ATTATATGTGATTATT--AAAGAGTTA-----GTGTAGCCAGACACGT-TGGCTCACGGCTGT-----AATCCC										
	(5589)	ATGATATTAAC TTATT TAAGGAATTA TATATTCTTAGTCTGTTAAATGTGGATTTCGCGAGTAGCAA AATAGC										
			Section 83									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(6069)	6069	6080	6090	6100	6110	6120	6130	6142			
	(5892)	AGCACTTTAAAGG-----GGC---TGAAGCGGG--TGGATCACCTGAGGTCAGGAGTTCAA GACCA GCTGGCCA										
	(5663)	ATCGGTTTAAACATCATTCCGTTTGA TACGGGCTTATATCAAA TCTGCAAGCAAGATGCTGAC--GTCTCGTTT										
			Section 84									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(6143)	6143	6150	6160	6170	6180	6190	6200	6216			
	(5956)	ACATGGTGAAACCCCATCTTTACTAAAAATA CAAAAATTAGCTG GACGTGGTGGCATGCACTG--TAATTTC A										
	(5735)	TGGGAGTCAAGTATATTGTCA TTGAGTTTCAA CAGTTGGGCTGATGT TAATT CAGTTCTAGATTAATCAGA										

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		Section 92									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(6735)	6735	6740	6750	6760	6770	6780	6790			
	(6529)	GT	CAC	CACAA	ATC	AA	AGT	TG	CAG	AC	AGAT
	(6314)	GT	TAC	AGGGA	GAG	AA	GT	CT	C	GAC	TAT
		Section 93									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(6809)	6809	6820	6830	6840	6850	6860	6870			
	(6603)	AG	CT	CCA	ACA	ACG	TG	C	AGG	AAA	TT
	(6381)	AT	CT	T	T	AG	C	ACG	A	CT	T
		Section 94									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(6883)	6883	6890	6900	6910	6920	6930	6940			
	(6677)	TG	T	GCT	GATC	TT	A	CAG	--	AG	GA
	(6449)	TG	GGCT	ATAT	TT	C	CG	CC	AG	T	ACT
		Section 95									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(6957)	6957	6970	6980	6990	7000	7010	7020			
	(6747)	AG	TCA	CA	TCT	TAT	CCA	AG	T	AGG	T
	(6522)	AT	TCA	--	TC	G	T	G	GA	GA	ATA
		Section 96									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7031)	7031	7040	7050	7060	7070	7080	7090			
	(6820)	-	AAATCA	ATT	GATTA	AAAA	AAAA	AT	CT	AT	AGC
	(6593)	T	AAATCA	TAA	GT	TTA	TG	AAA	TCT	AT	GA
		Section 97									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7105)	7105	7110	7120	7130	7140	7150	7160			
	(6893)	-	ACT	T	TTC	TAT	A	ATT	T	ACAT	AAAA
	(6666)	G	AC	AT	CGG	TAT	CA	GA	T	GT	G
		Section 98									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7179)	7179	7190	7200	7210	7220	7230	7240			
	(6961)	G	AA	GT	GT	--	G	GG	CACA	CAA	AA
	(6740)	G	CC	GT	CT	ACC	GT	GT	ACA	ACG	AT

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		Section 99									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7253)	7253	7260	7270	7280	7290	7300	7310	7326		
	(7033)	AGCTGGC	ACTGG--CTT	TAAACG	AGAA--AT-CT	CAATTC	CTCTGGCTT	CTC	ATCCT--	CCAGTGT	CTAGA
	(6808)	ACTTCGGA	TAAACCAT	CCACGC	AGAAATG	CAATTC	CTTGACGTT	ACT	ATCGTGC	CCAGTGT	AGGAG
		Section 100									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7327)	7327	7340	7350	7360	7370	7380	7390	7400		
	(7100)	TC-----	AGCTTCCT	TATA-TG	AGAGTGG	TGT---TG	GGGACATT	CCAGAAAG	GCCTTT	GAGGCCTA	
	(6882)	TC	TAAAGAT	TGGGTAT	TGTG	CCCATTC	TGTCCC	TGAGTCCG	AGGCGATT	ACGTGGC	ATGTAAAA
		Section 101									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7401)	7401	7410	7420	7430	7440	7450	7460	7474		
	(7165)	GATTGCTGA	-ACTTAC--	CAACATC	AGTTCAAT	TACA	TAATCTAT	TCGAA--	GCAAGATTC	-----	AAGAG-
	(6956)	AGCAGGAA	AGACGTAC	GGTCA	CAT-AGTT	ATCATTT	CTAATATAT	AGTAACT	GCA	GTTC	TCCTGC
		Section 102									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7475)	7475	7480	7490	7500	7510	7520	7530	7548		
	(7227)	-GTAGG	AAAAGAG	AGACTC	CACCTCT	TGGTAG	GAG-GCAC	TATAAA	ATACTG	GAGTTATG	TTTTTC
	(7029)	TTT	CAAAAAG	GTGATGT	CAGAGT	TAAACAG	TTTTC	GCA	TAGATG	ATAATG	CTGACCCT
		Section 103									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7549)	7549	7560	7570	7580	7590	7600	7610	7622		
	(7299)	TCACAG	TGGAGCT	GTAGTCT	TACTTA	ACACATT	CTTCTG	ATTCT-T	CATAAA	AGTTCT	GAATTAAA
	(7102)	TTT	CAATGA	ATCT-TA	ATATCCTAG	ATGAGAA	CAACAG	GTGCTG	TGGTGC	ACATAC	GAGGTTCG
		Section 104									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7623)	7623	7630	7640	7650	7660	7670	7680	7696		
	(7372)	TTAT	TATGTAT	TGACAGC---	AGGACCA	AATGGG	GCCCTCT	CTGACAA	CATCTTA	AGATCT	GATGCT
	(7175)	TTAT	GCCATCT	TAGAAAGC	TTTAGCA	ACACAT	CGGTTT	TACCTG	AAAA-----	TTATAT	C--GGTGCT
		Section 105									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(7697)	7697	7710	7720	7730	7740	7750	7760	7770		
	(7443)	GCAAAA	TTGTCT	AATAAAAT-	TCATCAG	AAAGCA	TATTTCT	GTC-TA	AGGATG	CTACAT	CTTACAT
	(7240)	GGAGAA	TTGAGC	AATAGCTCC	TCGAGC	GGGTATA	AAGGGT	TTTTAG	CGCCTA	CCGATG	GGGC---TA

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 106									
		(7771)	7771	7780	7790	7800	7810	7820	7830	7844	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(7515)	TAA GATCTTTCATGTTTGATTTCAAATCTTTCATGTTTGATTTCAATA-GAATCTTAATATTAGAAAAGAAAAGA									
	(7311)	CAA CTGAA TTC TGATT--TTCAAATTTGGACGTTT--TTCAACAGAGGACTGATAACGAGAAATATCGGC-A									
		Section 107									
		(7845)	7845	7850	7860	7870	7880	7890	7900	7918	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(7588)	AACTTAATATCATCCAATTCCACGTTAAGCAAAATTGCCAATTCACAAA--AATATACACACTTTTATTCTT									
	(7379)	GCCTGAGCGACTATTCAAACCTATACTTCTATTGGTATAGGATAGAGAAAGGCTAGCATCAGAGTTTATTGCGT									
		Section 108									
		(7919)	7919	7930	7940	7950	7960	7970	7980	7992	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(7660)	TAAAAGAATAGATACAGGCCACGGAGGGGAAATATATTTTT-CTACAATTATGCTACCTTCTTTATTGAATTG									
	(7453)	TGCTAAAATGTTTGTTCAGACAGTCTC-----TCATATTGAGGCTACA-----GCGAATCTCTCTACTAACGTC									
		Section 109									
		(7993)	7993	8000	8010	8020	8030	8040	8050	8066	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(7733)	TACAATACA GTTATT TAGT--AGCTCAAGGTTTAAATGCTGTGTATTACTTCAGGAG-AAGCAGCCAGGTGGGC									
	(7517)	TA-----GTTATTCCTATCAAGCCCAATATAAATTA--GTAGTCTTGACTTTTAAGCATGCA--TAATC									
		Section 110									
		(8067)	8067	8080	8090	8100	8110	8120	8130	8140	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(7804)	AACATGACCAGTTCCCTTGATTTTCCAGGTAAAGAAACAGAGACAGGGAACTAAGGGTCTTGCTCAAGGTACAG									
	(7580)	AATAT----AGTTCCAGTAGATTGGAGCT--GCTATAGATTGATTTATGACTGATAAATTGAATGGTACAG									
		Section 111									
		(8141)	8141	8150	8160	8170	8180	8190	8200	8214	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(7878)	AACTAACTAGTGGCAAAATTGATGCCAAGAC--AACACCCTTGCTCCCAAACAATGTTTCCTCATTGCTCC									
	(7648)	ACTCAAATGGCTACAAATAAGCTA-GCAAAATTCGTAAATCTTGTCCTTTAAATATATCAGAAAACACGGT									
		Section 112									
		(8215)	8215	8220	8230	8240	8250	8260	8270	8288	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(7950)	AT-TAGGACAG-----TTACTCTAATTCAAGGA-AAAGTCATTATCTCTAAGCCTTACTGATCTGTGAGACC									
	(7721)	ATATAGCACGGCAGAAATGGCTCTACTTATGGCAGAAATCCCGACTTTCAAAACCTCGTTAGT---GGCACACC									

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 113																																													
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8289)	8289	8300	8310	8320	8330	8340	8350	8362																																						
	(8016)	AG-AGGT	CAGCA	CC	TGT	TTCTGG	AAAG--	GGC	---AC	ATAAAA	AA	TTAC	TTT	TAGAT--	TT	TGCAA	GCC	TGG	AA																												
	(7792)	GGTAGGT	A	CTC	GGA	TGT	GAAAAT	AA	GACC	GGT	C	GTTTG	ATAAA	TT	TTAT	TTT	TAGAG	AGC	T	TGCAA	CGT	TAT	A	G																							
		Section 114																																													
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8363)	8363	8370	8380	8390	8400	8410	8420	8436																																						
	(8082)	-AGGG	CCAC	---	AT	AAAA	AAT	TAC	TTT	A	GATT	T	T	GTAAG	CC	CATA	CAG	T	C	T	GGT	TC	CACT	AT	TG	CA	AAC	CCC	AG	C																	
	(7866)	CAGTA	CCT	C	TGT	AT	CCC	AAT	AAC	GGA	AT	TAT	T	AATC	G	TTT	GT	CAC	T	G	T	A	T	C	T	T	-	CT	AG	T																	
		Section 115																																													
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8437)	8437	8450	8460	8470	8480	8490	8500	8510																																						
	(8152)	ATTGT	ACC	AC	AA	AG	CAG	ACT	G	CA	ATAC	ATTT	TTTT	AA	TG	-	ACCAT	T	C	T	G	T	G	T	CCA	ATC	AA	ATT	G	TTT	---																
	(7937)	AATG	-	ATA	AC	CAG	AG	TTT	AC	G	GA	--	ATAC	---	TTT	CA	AG	TG	A	TTT	G	T	A	T	AGG	AG	AG	ATT	T	TTT	CAA																
		Section 116																																													
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8511)	8511	8520	8530	8540	8550	8560	8570	8584																																						
	(8222)	---	TT	A	TAG	A	AC	AG	G	C	AA	C	--	AGG	CC	AGG	TT	T	G	ACCC	A	CAG	CC	AA	TAC	TTTT	T	CCA	ATAC	CAC	G	CAC	TT	GAT	-	T											
	(8004)	GCT	TT	G	TAG	A	G	TT	AG	AAA	AA	ACT	AAT	CC	G	GG	G	C	T	C	AGG	AT	C	G	GAAT	C	T	C	GGG	CAAG	ATA	A	CAC	A	CTG	TTT	TAT	AT									
		Section 117																																													
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8585)	8585	8590	8600	8610	8620	8630	8640	8658																																						
	(8290)	AA	AGT	CTA	A	CTA	TTAA	G	AC	C	CC	AAT	TTC	CTC	A	TCC	CTTT	AT	G	CAT	TCAC	AT	CC	TTT	G	CC	ATGT	CA	T	C	ATT	T	G	A	ATT	G	A										
	(8078)	CC	AGT	TAT	AT	CTA	GGTT	G	GT	C	GA	AC	TTC	AGT	A	GATT	AAA	AC	GAAT	---	AT	TTT	TTT	G	T	-	ATGT	--	T	G	A	AAG	A	C	A												
		Section 118																																													
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8659)	8659	8670	8680	8690	8700	8710	8720	8732																																						
	(8364)	GTT	CA	G	TTG	T	AAGT	CC	T	T	AT	TTT	GGG	C	TT	G	AC	CC	TTT	ATT	A	TGG	G	T	CAA	A	T	T	G	TTT	T	CCCC	C	AG	AATT	CAT	A										
	(8145)	GTT	T	-	G	ATT	G	AA	AGT	AT	T	C	T	G	C	T	AC	AC	AG	TT	-	AC	AG	TTT	G	--	AG	CA	G	T	AAA	C	T	ACA	T	TT	G	AAA	AC	AATT	AT	T					
		Section 119																																													
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8733)	8733	8740	8750	8760	8770	8780	8790	8806																																						
	(8438)	TGT	-	C	GAAG	TCC	G	AA	-	CT	C	CA	G	T	A	CC	T	CA	G	AAT	AT	G	A	CT	G	T	A	T	G	T	G	A	C	A	T	A	G	G	T	C	TTTA	T	A	G	A	T	CA
	(8215)	TGT	A	C	CTT	TCC	T	AGT	CT	G	C	A	T	G	T	CA	T	T	CC	A	A	G	A	G	G	T	T	G	-	G	A	G	T	A	C	GGG	A	T	TTTA	---	---	G	T	C	A	T	T

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 120																													
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8807)	8807		8820		8830		8840		8850		8860		8870		8880															
	(8510)	GCTAA	AA	TGAGG	TAT	CAAG	ATAG	GGC	CAAT	CAA	--	TCTG	ACTG	GGGTCC	TTGT	TAA	AAAGGA	GAA	AT--	TGG											
	(8282)	GTAA	G-	TGTTT	TGTAC	CCCG	TGCG	GCA	GTT	AT	TCAA	AT	T	TAA	ATG	CACCAT	TTGT	TTT	ATTCTC	GCAA	GCAAT	TCG									
		Section 121																													
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8881)	8881		8890		8900		8910		8920		8930		8940		8954															
	(8580)	AAAC	AG	ACACG	CAT	AC	AGG	GAA	AAACA	CCA	C	GTGAA	CAT	G	AAC	ACAGCCA	TCT	CCA	AGGCAAG	AG	AGG	AC	CT	G							
	(8355)	AGT	CT	G	TTTTTC	CTA	GA	ATT	GAG	TAT	CCA	-	GTGAA	GAT	A	TAA	AATTATC	TT	TG	C	GTTAT	CGA	AG	C	GAA	AC	AAG	C			
		Section 122																													
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(8955)	8955	8960		8970		8980		8990		9000		9010		9028																
	(8654)	AAC	AGATC	CT	TC	C	----	TCACA	GCCTTCA	GAA	GGAA	CC	AAAC	CT	GTCA	ACCTCT	TGGTC	CT	TG	GACT	TTTA	GT									
	(8428)	ATAA	TATC	TA	TC	G	CAATGA	TCACA	CAGGATT	GTG	GGGG	CC	TAA	C	GTCA	CTTGAC	TGGTC	AT	TA	GAC	TTTA	AA									
		Section 123																													
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9029)	9029		9040		9050		9060		9070		9080		9090		9102															
	(8723)	CTC	AGAG	CT	G	CGA	GA	TAA	TAAA	TTTCT	G	TGTTGAA	G	CCACCCAGT	CTGT	AGAC	ATT	TTT	TA	G	GACAGCC	AT	A								
	(8500)	C-	CGATTAC	AG	TTG	GA	ATT	TTTT	TTTCT	AT	ACCCCGT	G	TATATTTTG	CTGT	TTTTA	AAA	TTT	GC	G	CTTTTT	-	AT	C								
		Section 124																													
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9103)	9103		9110		9120		9130		9140		9150		9160		9176															
	(8797)	G	GA	CAC	TAA	TAT	ACC	ATG	TGA	CTT	GT	TG	TGC	CCAGT	GAT	GTCT	TGGC	TAG	GAA	GTGGC	AAAT	GCCA	GTCT	GT	AGAC						
	(8572)	C	GA	GAC	GTG	TAG	A--	AAC	TGAT	TT	--	TATAG	CTAG	AGT	TGAT	AGAC	CAC	G-	GTGG	A	ATTG	G	TT	C	GT	AGT	GCTT				
		Section 125																													
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9177)	9177		9190		9200		9210		9220		9230		9240		9250															
	(8871)	TAG	GT	--	CTT	A	AAAA	A	CTT	TGA	GT	TTT	-	TCC	ACTTG	CT	TCTC	ACCC	ACCT	TCC	--	ATT	GC	TAT	G	AAAA	ATTA				
	(8641)	TCAG	TTT	CTT	G	ATTG	ATAA	TTC	GT	ATT	CT	GC	CTTG	T	TA	TCCG	AC	TT	A	TG	TATATA	AT	AG	CC	TC	AT	AA	C	AGGA		
		Section 126																													
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9251)	9251		9260		9270		9280		9290		9300		9310		9324															
	(8940)	TG	C	CT	AAT	-	GC	TA	TT	CTG	CTG	GTCT	AAG	AAGC	AT	G	GA	CAC	ATT	TGA	AC	CAG	A	GCCAT	TCC	AG	C	AA	TC	C	CTA
	(8715)	GC	CT	CT	TTT	T	GC	CT	TT	TATACC	GTCT	TCC	ATCT	A	AG	GGC	CAG	GCC	TTT	AC	TGAT	GTATG	TTG	AG	T	CT	T	GT	C	GT	G

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 127									
		(9325)	9325	9330	9340	9350	9360	9370	9380	9398	
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9013)	CCT--CCGGATGACCTGCAGATATACCAGCCATAAATAATTATTCTGTAAAGCCACATGAGTTTTAGAATAGAT									
	(8789)	GTTAGCCGGATGGTGGATGATTTTACG--CATAAAGGAATAATTTCGCGTTATACATGTC---TTTCGGTCCACC									
		Section 128									
		(9399)	9399	9410	9420	9430	9440	9450	9460	9472	
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9085)	TACTACATAGCAACAACTAAATTGATTTAATGTAAATTTAAACATAGTTAAATTCCCAAAACACAGCTGTTTA									
	(8858)	GACTAAATT---ATAAAGTTTTCAC---AGGGGTAGATTAAAGCTAACCAAATTTATCTATAGCGGAGATGA									
		Section 129									
		(9473)	9473	9480	9490	9500	9510	9520	9530	9546	
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9159)	CATTCAATATAGAACATATGACTTTTTCGTGCTGTTTTCCTTTTCCACTGAAAATTTAAAGTCAATTCCTAA									
	(8926)	CGGAGGAGCTCAGAGTCTT--TAAATTTATACAATTAATTTGAGAAATTTAAAGAAAGTAGCGGAGGCGTCGTGG									
		Section 130									
		(9547)	9547	9560	9570	9580	9590	9600	9610	9620	
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9233)	ACAACG-TGGTTTGCTATCCACAAG-CCTTCCTCTCTTCTTTTTCCTTCCAGTGAA---AATAGTGATATGAAC									
	(8998)	GTAGAAATTTTTCAGTTCGAAGACGCTTTCATTTCTAGATTAAATATATGAAATCGATCACTTCTAGAGT									
		Section 131									
		(9621)	9621	9630	9640	9650	9660	9670	9680	9694	
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9302)	TGATGAAATAAATGAAATCGGCCTGCTCTTCTTCTAACTTAGGCCTGGCAAAATATGCTATGTAATCCCACTCT									
	(9072)	CGAATACTCAATAAATACTATTGAGAGTGAATTGTGATATTAAT--CATTATACGTAAATTAATAATCCAT---T									
		Section 132									
		(9695)	9695	9700	9710	9720	9730	9740	9750	9768	
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9376)	TTTCACAGTTGCAAAATGTGCCTCGTTTGTCTTTCAGCAGCCTCGTTTCATCAGTCAAGACTATTTCTTAAGA									
	(9141)	GACGGGAAATGCAAAATGTGATCAAGTTTGA--TACGACAAACTCGTGTCTCTTTAGATAC-ATATGGTAATC									
		Section 133									
		(9769)	9769	9780	9790	9800	9810	9820	9830	9842	
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9450)	GATGTA TCTATAGAGG-----ATAGTTTGC TGT TGT TGT TAT TGT TGT TAA TAAA--TAATGCGATCCATTTT									
	(9211)	GCGGT-TCTGTCGTTGACACTATACAAACA TGT AAC TGT TACTT TGCACAACTTAACTGAATTAACGGTATAT									

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 134									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9843)	9843	9850	9860	9870	9880	9890	9900			
	(9518)	TAAACAC	----ACAGT	TGTA-AA--AT	ACCTTTGAACAG	AC----ACACAG	TTTGTTTGT	TGTTTGT	TTTGTT	TTTGTT	TTTGTT
	(9284)	TAAATCGG	GTGTATAG	TGTACA	CTGATCTT	CTAACA	TAGGGTTAAC	GGAATGTT	CAATTC	GAGAA	TTAC
		Section 135									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9917)	9917	9930	9940	9950	9960	9970	9980	9990		
	(9581)	TGT	TGT	TTG	TTT	TGA	CAGG	GT	CTCTCTC	TG	TTG
	(9358)	GAC	TGAA	TTT	TTT	TGA	GGAT	GT	-TAA	CCATC	TTG
		Section 136									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(9991)	9991	10000	10010	10020	10030	10040	10050	10064		
	(9654)	TCAGCT	CC	TGGG	CTCAAG	TAT	CCT	CCC	ACCCAG	TCT	CTGAG
	(9430)	CTT	GCTA	-TGAG	-TCAA	CCGGG	CCT	AGT	AAA	CGAT	TGA
		Section 137									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(10065)	10065	10070	10080	10090	10100	10110	10120	10138		
	(9725)	TGCT	CAG	CTA	ATTA	AAAA	AAAA	AAAA	ATTGT	-AGAG	ACAGG
	(9502)	TTT	TATT	CTAG	CT	ATG	AGT	CTC	AT	AAAT	ATTGT
		Section 138									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(10139)	10139	10150	10160	10170	10180	10190	10200	10212		
	(9797)	ACTC	CTG	GCCT	TAA	AA	CAAT	CTC	CTAG	CCCT	CTG
	(9576)	GT--	CTG	AGTA	TGG	AAA	AGT	TAG	CTA	CAAT	TCT
		Section 139									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(10213)	10213	10220	10230	10240	10250	10260	10270	10286		
	(9871)	TACA	CAT	AG	ATT	CT	TAA	CT	TGTT	GT	TTG
	(9648)	T---	CAT	GG	TAAT	TGA	AT	TCC	AT	G	TT
		Section 140									
Homo sapiens chromosome 13 NC_000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1	(10287)	10287	10300	10310	10320	10330	10340	10350	10360		
	(9945)	AATG	AAA	TTAG	CTA	ATT	TGG	TGT	GAT	TGG	TGG
	(9713)	ATCA	AAA	GGG	GG	CT	AG	TT	-TAT	TC	TG

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 141																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		(10361)	10361	10370	10380	10390	10400	10410	10420	10434																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10019)	AAC	TGGAA	AACC	GAG	TAA	CAAAGG	TCA	GTCA	CA	CC	ATGAACT	TCA	TG	CCTAC	AT	GT	CCAA	----	TTA	AAA	CC	--																																																																																																																																																																																																																																																																																																																																																																																																																											
SARS-CoV-2 Reference Genome	Shuffle No.1	(9781)	AAC	ATAC	ATTT	GAC	TAC	CTTTAC	TAA	TCA	GAA	TA	CTCGAC	TGT	TAC	TTT	AC	GT	ACCA	AA	TA	TGG	CC	GC																																																																																																																																																																																																																																																																																																																																																																																																																											
		Section 142																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		(10435)	10435	10440	10450	10460	10470	10480	10490	10508																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10087)	-	CTGGA	ACT	GG	C----	TGGGT	A	TGG	TTC	AT	GCCTG	TAA	TC	CC	AGCA	CTT	TG	GGATG	CT	GAG	GC	GG	CAG	AT																																																																																																																																																																																																																																																																																																																																																																																																																									
SARS-CoV-2 Reference Genome	Shuffle No.1	(9855)	A	CTGGA	G	CAG	T	CGTTT	TGGGT	A	AG	TG	TAGA	AT	TAAA-	TG	AT	CA	ATAC	CTT	TG	CTCCA	C	CTTT	GC	AGG--	GTT																																																																																																																																																																																																																																																																																																																																																																																																																								
		Section 143																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		(10509)	10509	10520	10530	10540	10550	10560	10570	10582																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10156)	C	ATGAG	A	T	CAG	GAAATAG	A	ACCAC	C	T	GT	C	TAA	T	CAAT	GAAAC	C	T	CAT	C	T	CT	AT	TAA	AA	A	T	ACA	AA																																																																																																																																																																																																																																																																																																																																																																																																																				
SARS-CoV-2 Reference Genome	Shuffle No.1	(9926)	C	GGCCA	A	AG	A	T	G	TTCGTT	AAA	A	TTT	G	GGGT	-	T	CT	T	C	TG	GAAAC	A	T	A	T	T	T	A	T	---	AA	G	TAG	A	C	AT	G	T	C	AA																																																																																																																																																																																																																																																																																																																																																																																																										
		Section 144																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		(10583)	10583	10590	10600	10610	10620	10630	10640	10656																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10230)	A	A	TT	AGCCA	AG	CATGGT	TGG	CACGT	GCCT	G	TAG	T	CC	AGC	--	T	ACT	CAG	GAG	GGC	-	T	GAA	GTAG	GAG	AAT	C	-	T	CT																																																																																																																																																																																																																																																																																																																																																																																																																			
SARS-CoV-2 Reference Genome	Shuffle No.1	(9996)	A	CT	TT	GCGAT	AG	GGCCT	TAA	CTTT	TAAA	AG-	AT	T	ACA	AGC	GGA	AGG	CAG	TT	G	CAT	TTT	GTAG	AGT	AAG	C	AT	AA																																																																																																																																																																																																																																																																																																																																																																																																																						
		Section 145																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		(10657)	10657	10670	10680	10690	10700	10710	10720	10730																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10300)	TG	AA	-----	CC	T	GG	GAG	CACG	AG	CT	TGC	AG	TG	AG	CC	GAG	ATT	G	C	CA	C	TGC	AC	TC	CAGCC	TG	GG	CA	A	CAG	AA																																																																																																																																																																																																																																																																																																																																																																																																																		
SARS-CoV-2 Reference Genome	Shuffle No.1	(10069)	GA	AA	ACAAGA	CC	AG	AG	CG	CTAT	AACT	GAT	ATTG	CG	GT	TG	CTT	T	C	AA	ATG	CA	-	TC	AGTGT	TG	CA	CAT	CAT	AA																																																																																																																																																																																																																																																																																																																																																																																																																					
		Section 146																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		(10731)	10731	10740	10750	10760	10770	10780	10790	10804																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10368)	T	GAGA	TTCCGT	CTCA	AAAA	AAAA	ACAA	AA	AAC	C	CT	GGA	AC	CAA	AGTT	TG	GG	TGA	C	CT	CT	CAT	TT	GG	C	AAT	ACT																																																																																																																																																																																																																																																																																																																																																																																																																						
SARS-CoV-2 Reference Genome	Shuffle No.1	(10142)	-	GAGA	G	-----	AT	ATT	AAA	CGTG	AA	C	ACT	CT	ACT	AG	C	CG	AGTT	CA	GG	AG	--	C	GAAC	CAT	GG	GG	AAT	---																																																																																																																																																																																																																																																																																																																																																																																																																					
		Section 147																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		(10805)	10805	10810	10820	10830	10840	10850	10860	10878																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10442)	C	TGT	G	CTG	T	C	A	C	A	T	C	A	T	TG	C	T	G	A	A	A	TT	CAG	T	A	CTGC	T	C	A	T	A	T	G	A	C	T	T	C	A	G	G	A	G	G	A	C	A	G	CTG	G	AA																																																																																																																																																																																																																																																																																																																																																																																															
SARS-CoV-2 Reference Genome	Shuffle No.1	(10201)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 148																																															
		(10879)	10879	10890	10900	10910	10920	10930	10940	10952																																							
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10516)	ACTTTGA	ACTT	GTTCTTTCC	TGGTG	ACTTTAACTTG	---	TACCCTTTTG	CTGTAAATAAACC	ATAA	ACTGTGAG	TA																																				
SARS-CoV-2 Reference Genome Shuffle No.1	(10270)		TA	TTCCATA	TTC	CAACAT	TGTC	TAATGGATCT	CGCC	TAGACTACGC	CCGCAT	TAAACC	CAT	A	-----	TA																																	
		Section 149																																															
		(10953)	10953	10960	10970	10980	10990	11000	11010	11026																																							
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10586)	TAAACAGC	TTTT	GCCAG	TTCTGT	TGAGC	CTCT	TAGCA	AGTCA	ATTGAAACT	GAGGGTG	TTCT	TGGG	GAC	TCC	CAAA																																
SARS-CoV-2 Reference Genome Shuffle No.1	(10337)		A	AACA	TA	TTTT	ATTAT	TTGT	TTC	CAAG	G	TAC	CCTTT	AGT	G	ATT	A	-----	G	CGG	AT	TT	AG	TT	GG	TTA	T	G	T	CAAA																			
		Section 150																																															
		(11027)	11027	11040	11050	11060	11070	11080	11090	11100																																							
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10660)	CACA	TAA	CTATGCA	AA	CATA	CAT	GAAA	AAG	AAAA	TA	--	TA	A	GAT	TGT	GAT	TA	ATA	ACT	TCT	C	ATT	TG	-	TTATA	-																					
SARS-CoV-2 Reference Genome Shuffle No.1	(10406)		C	TAG	TAA	G	-----	AA	GT	T	A	---	G	T	ACCC	AAA	T	TCCC	TAG	G	CA	TGT	CGC	T	A	TCT	AC	AA	AAG	C	G	ATT	TG	TTATA	G														
		Section 151																																															
		(11101)	11101	11110	11120	11130	11140	11150	11160	11174																																							
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10730)	--	TGT	G	TAA	TCA	CT	GT	ACC	CT	G	CCC	ACT	G	TAT	G	CA	AG	ACT	G	TG	ACAT	TGT	GTG	C	AA	AG	ACT	CCCC	A	-----	A																
SARS-CoV-2 Reference Genome Shuffle No.1	(10471)		A	T	TGT	AT	CG	TTT	CT	CG	AT	G	CG	T	CT	G	AA	T	TAT	T	CT	AA	A	ACT	T	TG	--	T	T	C	GTG	T	AAA	A	AT	TAAA	A	ATTGGT	GGA										
		Section 152																																															
		(11175)	11175	11180	11190	11200	11210	11220	11230	11248																																							
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10795)	G	CC	AT	GT	GTA	AGTGA	G	AA	GCC	ACT	G	AA	GC	TCG	T	G	AG	AGCC	T	A	GTT	AG	ACT	-	T	ACCA	TTT	G	A	----	T	AAAA															
SARS-CoV-2 Reference Genome Shuffle No.1	(10542)		T	C	AA	AT	T	AGTA	GCAAC	G	T	AA	A--	AC	G	AA	TTT	T	AA	T	A	T	A	T	T	T	AG	GTT	T	G	C	ACT	G	T	AATC	TTTG	TCCGT	TAA	GA										
		Section 153																																															
		(11249)	11249	11260	11270	11280	11290	11300	11310	11322																																							
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10864)	T	GAT	GT	CA	ACA	T	TACC	AT	G	GG	CT	T	C	CC----	C	AG	T	C	T	T	A	GAGGATG	-----	T	GGATCA	CTC	TTT	A	ACC	AG	T	C															
SARS-CoV-2 Reference Genome Shuffle No.1	(10614)		T	A	T	A	T	A	C	G	ACA	G	T	G--	AT	C	GG	AA	T	C	G	G	T	GATG	AG	GG	C	G	T	T	A	GAGGATG	GATTATG	GGATCA	---	TTT	A	AG	AGAA										
		Section 154																																															
		(11323)	11323	11330	11340	11350	11360	11370	11380	11396																																							
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10928)	G	CA	C	GG	AA	AA	C	TTGCC	T	CC	AT	G	T	CTT	G	CA	A	G	AC	T	AA	-	G	A	CA	A	GGG	T	TAG	CA	AT	T	C	C	AGT	AA	AC	C	--	AT	T						
SARS-CoV-2 Reference Genome Shuffle No.1	(10683)		G	CA	-	GG	T	AT	AC	G	CTAG	A	T	GG	AT	G	A	T	G	CA	C	G	AC	A	AA	T	G	T	AGT	A	CTT	T	CTA	C	T	AT	G	C	CTA	AA	TT	C	AGT						

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

			Section 155																																		
			(11397)	11397	11410	11420	11430	11440	11450	11460	11470																										
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(10999)	TGC	TAT	TTT	ATGA	GAT	CT	TGG	--G	CAA	TT	CC	AT	GAA	CT	CT	TGA	AC	CT	T	AGGT	TCC	TG	GT	TTT	AA	ATA	G	AA	AG						
SARS-CoV-2 Reference Genome Shuffle No.1			(10756)	T	CG	TAT	AG	ATGA	CC	TG	CAA	TAC	CAT	CT	TT	AG	AC	GAC	C	GT	TG	TT	C	AAG	TGA	AC	G	TGG	TT	GG	TTT	AT	ACT	G	AA	TG	
			Section 156																																		
			(11471)	11471	11480	11490	11500	11510	11520	11530	11544																										
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11071)	CAA	TAAG	TACC	ACA	CA	GA	AAT	TAT	TAT	TT	AA	GT	TT	AA	CA	AA	GAT	AA	TG	CA	TGT	GT	TGA	--	TTG	AG	TAA	AAAT	TA	AT	TAA				
SARS-CoV-2 Reference Genome Shuffle No.1			(10829)	TGC	TAAG	AT	--A	TG	CA	AG	AT	CG	T	CG	TT	TC	GT	CT	TA	AG	AC	GAT	CT	TG	AT	TA	AC	TG	TC	TTG	CG	TAT	AAAA	TAT	TTA		
			Section 157																																		
			(11545)	11545	11550	11560	11570	11580	11590	11600	11618																										
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11144)	C	AGGA	TA	GCT	CT	TC	ACC	AC	CA	CT	TC	CTT	GT	GAA	GA	AG	--	ATT	TTG	TCT	GT	CT	CA	TC	TT	CT	TCC	CC	CT	TCC	CC	AC			
SARS-CoV-2 Reference Genome Shuffle No.1			(10901)	A	ACTT	TA	AT	TT	T	ATT	TAT	ACT	TAA	--	TGG	CTT	TCA	AA	C	GAT	GT	ATT	GAT	TTG	GT	TA	CAG	T	TGG	TAT	C	AA	ACT	G	CT	AT	
			Section 158																																		
			(11619)	11619	11630	11640	11650	11660	11670	11680	11692																										
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11217)	CT	TC	CG	AGA	AAG	ATT	CT	G	CT	TGC	CC	GT	GA	TAT	TTG	--	GA	ATT	TG	AT	AG	TG	CAG	AA	T	CAG	AA	AG	AGA	AAG	AG	TG			
SARS-CoV-2 Reference Genome Shuffle No.1			(10974)	TAT	TC	CG	GT	GTTA	ATT	GC	G	AT	CG	C	---	TT	CA	AT	T	CG	AA	GAG	AT	TAT	AT	TG	TGT	AA	G	CC	AC	AA	GC	ACT	ACT	TG	
			Section 159																																		
			(11693)	11693	11700	11710	11720	11730	11740	11750	11766																										
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11290)	GTA	GA	AG	GAG	AA	AAG	GT	A	TAT	A	TAG	AC	TA	AG	GCT	GT	GGG	AC	A	AG	CT	TT	TC	AG	GA	AG	ACT	TT	G	AG	AG	ACA	GAG		
SARS-CoV-2 Reference Genome Shuffle No.1			(11045)	TGC	GT	AT	GC	GTC	AG	T	G	CA	CG	CGT	---	TAT	C	GCT	---	---	AC	C	AG	CT	AT	TAT	AG	C	AT	AT	GAA	TT	AT	CT	ACA	TGG	
			Section 160																																		
			(11767)	11767	11780	11790	11800	11810	11820	11830	11840																										
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11364)	AG	AGA	T	CG	G	CA	G	CC	CT	ACA	G	AG	--	AG	T	GAA	AG	T	G	AAT	GGG	AT	A	TAAA	AGG	A	AGA	AT	G	T	TAA	AGAA	TG	CG	GT
SARS-CoV-2 Reference Genome Shuffle No.1			(11108)	A	CA	CT	TG	TG	T	CG	G	AT	CG	AT	G	AC	G	CT	AG	T	C	GAA															

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 162																	
		(11915)	11915	11920	11930	11940	11950	11960	11970								11988		
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11508)	TCCTA	ATTTG	AGAGA	AATAG	TACAA	CTGA	AGAA	TAGCC	TTTCT	ATTTT	TCTGTGG	ATTAG	GC	CAGAT	CACAT	CA	
SARS-CoV-2 Reference Genome Shuffle No.1		(11248)	TACGA	----	AGGC	ACCG	AGTC	CAGAT	TACT	AGA	TA	TGG	TGAAA	AATTA	-----	ATTAT	GTC	GA-CTCATTA	
		Section 163																	
		(11989)	11989	12000	12010	12020	12030	12040	12050								12062		
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11582)	AGCTT	CATAT	GCTTCTA	TTT	GTC	TTGC	TTT	CCAGAA	ATTC	TTT	CAGA	GTTT	CCCT	TAA	GAT	--CATG	CCAT
SARS-CoV-2 Reference Genome Shuffle No.1		(11308)	TGTCC	CCGAT	T-----	TTAGTC	CGGC	ATGT	GA	AGAC	CATGG	T	AAGGAT	GTTT	TAAAT	TAT	GAT	GT	CAACGTCCT
		Section 164																	
		(12063)	12063	12070	12080	12090	12100	12110	12120								12136		
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11653)	AAC	TTAT	TACTGA	AGGAA	TAAT	AAACTC	AAAAA	ACATAT	TTT	TATTT	CGGG	AGATT	TTTTT	TTTC	AGTGTG	ATG	TCA
SARS-CoV-2 Reference Genome Shuffle No.1		(11376)	AAA	TGT	TTAT	--AT	GAT	TAAT	GTTTAG	AAATT	ATAAT	CTGT	CATT	CACAA	AAACAT	TTTTT	TAA	AAAT--	ATGAAA
		Section 165																	
		(12137)	12137	12150	12160	12170	12180	12190	12200								12210		
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11777)	CGCTC	AA	GAAATTT	CACT	TAGAAC	ATAAGC	CAGAG	GAATTT	--CT	CTC	TAAAG	GTG	TAATA	CGT	TTT	CCCT	T
SARS-CoV-2 Reference Genome Shuffle No.1		(11446)	CTC	GTAA	TTT	CAAC	ACTT	AGTA	ATCAGC	AGTAT	GTTT	TACAAT	TGTC	GTCAAT	GTT	TAATA	TTT	TGTT	ATATG
		Section 166																	
		(12211)	12211	12220	12230	12240	12250	12260	12270								12284		
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11799)	CTGTAA	CG	TGACAA	ACGT	TGTG	ATTT	--TGG	--CTAC	CAT	TAA	GTT	CAGAG	TCAAA	TTTC	TAGC	TCG	ACTTT
SARS-CoV-2 Reference Genome Shuffle No.1		(11520)	CGGACC	CGT	TGCAAC	CT	TGTG	TCTTT	CGTGG	TAA	TG	CGG	TGG	GTTT	TAAAT	TCAAA	ACT	TAA	TAA
		Section 167																	
		(12285)	12285	12290	12300	12310	12320	12330	12340								12358		
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11868)	GTTA	ATG	ATT	TAA	TTAA	ATTT	AAA	TGA	TTT	T	TAA	ACT	TCT	GGC	GGAT	GTG	GTGGC
SARS-CoV-2 Reference Genome Shuffle No.1		(11591)	GTT	CATG	---	TACC	TTGA	--TT	GCT	TGA	CCG	T	AA	GC	CTT	CT	GTCC	GTG	TCT--
		Section 168																	
		(12359)	12359	12370	12380	12390	12400	12410	12420								12432		
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(11942)	GCA	CTTT	GGG	AGGC	CAAG	CGG	GAGGAT	TGCT	T	GAGC	CCAG	GAGT	TT	GAGA	CCAGC	CTAT	TAC
SARS-CoV-2 Reference Genome Shuffle No.1		(11657)	---	CTTT	TCT	ACGC	GAA	AATG	CGCTCCT	TCCG	--	GAAA	CCAC	GTTG	TTT	TCAT	GCACATAC	TTT	AACT

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 169									
	(12433)	12433	12440	12450	12460	12470	12480	12490			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(12016)	ATGTC	CAAAAAAA	ATTAAAA	TAGCA	AAGCAT	GGTGTTGCC	CACCTGT	TAGTCC	CAGCTAC	TTGGGAGA
SARS-CoV-2 Reference Genome Shuffle No.1 (11724)		ACGAAG	TCTTGGT	ATTGAGCA	TAACA	CTTATA	GCTGTTAAT	CAACCA	TAATGC	-----	TTGAGACC
		Section 170									
	(12507)	12507	12520	12530	12540	12550	12560	12570	12580		
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(12090)	GTGGGAG	GATCGT	TAGAGCC	CATGACA	TCAAGGCT	GAGTGAG	TTGTGAT	CATGCC	CACTGT	A-CTGGGC
SARS-CoV-2 Reference Genome Shuffle No.1 (11789)		TAGGTTG	TGCGT	AGAACC	GACACA	CTTTTAGC	GAAATG	TTTCGCC	AGCAAG	CTCTG	AGCTTATT
		Section 171									
	(12581)	12581	12590	12600	12610	12620	12630	12640			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(12163)	AGTGA	G---A	---ACC	TGTC	CTCAAAG	AAAAC	TTAAAA	TTAAAA	ATAAAT	AATTCT
SARS-CoV-2 Reference Genome Shuffle No.1 (11863)		AGTGA	AATCA	TAGTACC	CTA	CTCTG	TCCTTGG	TTCGGT	TAGTTAG	CAA-ACCC	CTTAGAGG
		Section 172									
	(12655)	12655	12660	12670	12680	12690	12700	12710			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(12230)	TTTGAG	CTGCCT	TCTTCC	CACTTTC	ACTTGC	TTACAT	CAGATC	ATTGGG	AATGG	ATGTAG
SARS-CoV-2 Reference Genome Shuffle No.1 (11936)		-----	CTAAGAT	CTATC	ATTAG	TTCTCTT	---TTA	TAGC	GACTTATT	-----	TATATAG
		Section 173									
	(12729)	12729	12740	12750	12760	12770	12780	12790	12802		
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(12304)	AC--AGG	AGGATTT	ATTTATT	TATTTAT	TTATTT	TTATTT	TAGATAG	GTCTCA	CTGTAC	CCAGGCTGG
SARS-CoV-2 Reference Genome Shuffle No.1 (11997)		AAC	TATAGG	ATAC	ATTTATT	-----	ATATCC	TTCTGA	TAGCT---	GTCTTGGA	CTGTAC
		Section 174									
	(12803)	12803	12810	12820	12830	12840	12850	12860			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(12376)	CAGTGG	TGCAAT	CTCAA	-CTCACT	GAAATCTC	TGCC	TGCTGGG	CTTAAG	CAATCT	CTCTG
SARS-CoV-2 Reference Genome Shuffle No.1 (12063)		AATCAT	TGACAT	CACTCT	TACTA	AAAAA---	TAAA	TGCTA---	AAGCA	TATCAT	CTAC
		Section 175									
	(12877)	12877	12890	12900	12910	12920	12930	12940	12950		
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(12449)	GTA	GCTGAGAT	TACAGG	CACTGCC	ACCATG	CTGACT	ATTTT	TTTTTT	TTTGA	GGTG
SARS-CoV-2 Reference Genome Shuffle No.1 (12129)		-TAT	CAACACA	TAAACG	TAA-TAAT	ACTAGTT	CTATGA	AGCTTA	ACAA	TTACGA	ACAT

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		(12951)	12951	12960	12970	12980	12990	13000	13010	13024	Section 176
Homo sapiens chromosome 13 NC_000013.11: 34882059... (12523)	SARS-CoV-2 Reference Genome Shuffle No.1 (12201)	GCCCAGGCTGGAGTGCAGTGACAAATC--TCGACTCAC	TGCAACC TCACCTCCCTG GATTCAAGA GATTCTCC								
		ATGTAA--CTGGAGACTATAAGTTTAAAGCATTTTAGTTGT	TGCAAATCTCGAATCAGGCTCATACCTGCTTTATC								
		(13025)	13025	13030	13040	13050	13060	13070	13080	13098	Section 177
Homo sapiens chromosome 13 NC_000013.11: 34882059... (12595)	SARS-CoV-2 Reference Genome Shuffle No.1 (12273)	TGTCTCAGCC TCCCAAGTA GCTGGGATTACAGT	TGCCCGC CACCATGCC CAGCTAATT TTTTGTATTTTGT A								
		GATCAGACTTTTACA TGATATTTGTTTGAAGTT-----	CACCTAGTACCTCAA---TTTAGTTTATTTACAA								
		(13099)	13099	13110	13120	13130	13140	13150	13160	13172	Section 178
Homo sapiens chromosome 13 NC_000013.11: 34882059... (12669)	SARS-CoV-2 Reference Genome Shuffle No.1 (12338)	TAGACGGGGTTTCAC CATGTG GCCA---GGCTGGTCT	CAACCTGCTGACCTCAGGTGATCA-GCCACACCTTAG								
		TTGACGAGATTAGCG CATTATGTATATACGT CAGCTTC	CAAAATCCAAAAC--AGTTCACAAAGTCTTTGTA-								
		(13173)	13173	13180	13190	13200	13210	13220	13230	13246	Section 179
Homo sapiens chromosome 13 NC_000013.11: 34882059... (12739)	SARS-CoV-2 Reference Genome Shuffle No.1 (12409)	CCTCCCAAAGT GCTGGGAATTACAG GCAT---GAGC	CAACC-CGCTGGCCAGAACA GAGGGATTTT--GAA GT								
		CGGCGCGCATTAATT-TATTT CAGCTATATTTATT	CAATT CAGACTTTTCTATCTTTGCAAAATCTAC GAA TA								
		(13247)	13247	13260	13270	13280	13290	13300	13310	13320	Section 180
Homo sapiens chromosome 13 NC_000013.11: 34882059... (12807)	SARS-CoV-2 Reference Genome Shuffle No.1 (12482)	TGCTGGGAGAGGACAAAGAGGTAACAGA CTTCC	TTTGTGTGT CGGTGG GAGGAGTGTC A-GTG GGAGTAGC CT								
		TTCTTGTA-ACTATTCTTA--TATTT GATGCAGTATGT	TGCC CAGATTGAGTAATCTAAAGTG TTTCAGTTA CT A								
		(13321)	13321	13330	13340	13350	13360	13370	13380	13394	Section 181
Homo sapiens chromosome 13 NC_000013.11: 34882059... (12880)	SARS-CoV-2 Reference Genome Shuffle No.1 (12553)	AAGATAATAATCAATCAA CACACA TT TAA-GAGCT	TATAGTAAGCCAACA GAGTAGA GCAGTTTAT TTGGAG CTT								
		AAcATATTAATAGA AAACC CACGGCTTAAACGTGGT	TGCG GGAACGACCATGGTTAT-GCAGT CAC TGGT ACCTT								
		(13395)	13395	13400	13410	13420	13430	13440	13450	13468	Section 182
Homo sapiens chromosome 13 NC_000013.11: 34882059... (12953)	SARS-CoV-2 Reference Genome Shuffle No.1 (12626)	CAAGAGT-CAAGCTAAATGACACAA GGCTAAAAAG	ATCCTTATGAA TCTTGACCCAGCTT AAAAGATCTA AGTG								
		TTACTTTTGCTAG AATTCCGAGCATT GGCTAAAA	TTATTATAT TGCA GAAT-AGAGT GCG-AAAAGT C--AGTG								

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

			Section 183										
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13469)	13469	13480	13490	13500	13510	13520	13530	13542			
		(13026)	ATGAGAG-----ACAACCTTAAAGTGT---TTTGGTCTCTAGAAATTTAGAAT-TCTTCGCGTGAAAGAAATTTAATCA										
SARS-CoV-2 Reference Genome Shuffle No.1		(12696)	GAAGACACATTTACATGTATAGGGGAACC---TTTAGATGTTTACTTAATATTCGTGTAATACATAAACATGGTCAACA										
Section 184													
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13543)	13543	13550	13560	13570	13580	13590	13600	13616			
		(13091)	GGTGAC--TGCAAA-GTGTAAGTTTTCATTTTAAATATTAACAGGAGATTGAACTTTGGAGGCCACCAGAAAG										
SARS-CoV-2 Reference Genome Shuffle No.1		(12770)	ACAGCGCGTGTAGACGGGCTCACTAGTCAATCGCTGATCCACATTTATTAGGCCTTTATATTGCAATTTTTTAAAT										
Section 185													
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13617)	13617	13630	13640	13650	13660	13670	13680	13690			
		(13162)	ACTAAATGTGCTTAGGGATGATGGCTTAGAGAGGTTTAAACAG--CTGGAGGT---GAAACAGTTTGCACCTG										
SARS-CoV-2 Reference Genome Shuffle No.1		(12844)	AACACCAG-GATTCTGCATGAATCATCTACTTTTGTCACTCTGACCTTTAGTTTCTGTATTTCCTAAGTACTTG										
Section 186													
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13691)	13691	13700	13710	13720	13730	13740	13750	13764			
		(13230)	AACAACTCT---AGATGGTTATGFGAAGTACTGTGCATGCAGAGTCTCATAAATTATCTCTG---TAATATATA										
SARS-CoV-2 Reference Genome Shuffle No.1		(12917)	ACTATTTTATATAAGAGCGGTTTGTGAT-TGTGTGTGCAAT--AAATTGTACAAATTGTGCTTTGACTCCATGGAA										
Section 187													
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13765)	13765	13770	13780	13790	13800	13810	13820	13838			
		(13298)	ATATCAACCTTAGACCTTCATTTAAAAGAAGAAATATTTTGAACCAATTATTG-----AC-TCCAGAGGCAATATA										
SARS-CoV-2 Reference Genome Shuffle No.1		(12988)	GAATCAACGCAAAACGTAGCGCTACTA-----ATTCTTTCTCCAGTTATTGTCGGAAGTTAACGAAGTAATG										
Section 188													
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13839)	13839	13850	13860	13870	13880	13890	13900	13912			
		(13366)	TAAAGGAGCCTTTTFTTTTFTTTTFTTTTFTTTTTCAGAAACCTTTTA--TTGGTTTCATTAACAGAATCTGGCA										
SARS-CoV-2 Reference Genome Shuffle No.1		(13056)	TGGGTGTCTTGCATATTTGTCACTGTGTAGCTTTCGTTACAACTTTATAACTTTATGTTATGACCAATCCAGAACTT										
Section 189													
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13913)	13913	13920	13930	13940	13950	13960	13970	13986			
		(13438)	TGTTCCACTTTAGTTCTCTCTAGCTAAACT-TAAACAGACATTTCGAAT-GTAA GTCTACTTAAGTAAA--CTAAA										
SARS-CoV-2 Reference Genome Shuffle No.1		(13130)	ATTGAAAAAAGAGAACCACTAGTTTAGCGATAAACACAGTGCCTTATTGGCCGCGTAGCTCGATAGATGCTTTA										

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 190																				
		(13987)	13987	14000	14010	14020	14030	14040	14050	14060												
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13508)	AA	CA-AG	ACACAT	--AG	AGTCAC	GCCCAA	CAAGAA	ACCTTAGAA	ACCATCTAG	TCCTAG	GCCGGC	ACAG	TGGCT							
SARS-CoV-2 Reference Genome Shuffle No.1		(13204)	GC	CTTAG	TTTCTG	TAAAG	CATAG	TGCAA	TTAGTA	ATTGAG	AG--AT	GTAG--CT	AGAC	TTG	GGT							
		Section 191																				
		(14061)	14061	14070	14080	14090	14100	14110	14120	14134												
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13579)	CA	--TG	CTGT	-AA	TCCCAG	CACTTT	GGGAGG	CTGAGG	CAGGC--	TAATCACC	TGA-GG	TCA	GGA	GTT	C	GAG	AC			
SARS-CoV-2 Reference Genome Shuffle No.1		(13274)	AA	GCTT	TCCT	GTTAA	CAAGAT	GCAG	TTATG	CCA	CTCGAT	CTGG	TTGTAAT	GTTG	TGCTGA	TCA	ATT	GTT	GAG	CG		
		Section 192																				
		(14135)	14135	14140	14150	14160	14170	14180	14190	14208												
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13647)	CA	GCCTGGC	CAA	CAC	CAGTTAA	-ACT	CCATCT	CTATTAA	AA-----	AA	TACA	AAATT	AGC	TGGG	CGT	G	GGTGGT			
SARS-CoV-2 Reference Genome Shuffle No.1		(13348)	TA	TGTGTTA	CAA	TTCTA	TTA	TTACT	ATGTG	TC	CAAGTAA	CGGATCCG	AA	GTAT	AAATT	TCT	TGAT	CGT	TA	ACTC		
		Section 193																				
		(14209)	14209	14220	14230	14240	14250	14260	14270	14282												
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13712)	GC	-----	AT	GCCT	GTAA	TC	CCAG--	C-T	ACTC	AGGAG	GCCAGG	AGAA	TCTCT	TGAA	CTC	GGGA	AG	CAG	GAG	GTTG
SARS-CoV-2 Reference Genome Shuffle No.1		(13422)	GC	TACCA	ATAG	GCCT	CAAA	ATCAG	GTTCT	CTTCTC	C	GCTGTT	ATCTCCT	TCTAT	G	TG	GTGCTAG	GATTAT	C-G	TT	GTTG	
		Section 194																				
		(14283)	14283	14290	14300	14310	14320	14330	14340	14356												
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13777)	CAG	TGA-GCC	GAG-ATT	GC	GC	CATTG	CAC	TCCAGCC	TGGG	CAAC	AAGAGC	GAA	ACTCTA	TC	TCAA	AAAT	TA	ATA		
SARS-CoV-2 Reference Genome Shuffle No.1		(13495)	CTA	TGTTGCC	TATTATT	CTGC	GGTTT	CAGT	-----	TGT	GTTAA	AGAGT	GGC	AGAAGC	TC	CTTG	AGAT	AC	ATA			
		Section 195																				
		(14357)	14357	14370	14380	14390	14400	14410	14420	14430												
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13849)	AA	TAAATA	AAAT	AAAT	AGAA	AA	GAAA----	AGAAA	TTTC	TAGT	C---CT	AG	CTCC	TCA	-----	TTTTA	CAG	G		
SARS-CoV-2 Reference Genome Shuffle No.1		(13563)	GC	TCTATA	AA	GGAG	ATAT	AA	AGTGT	TGGCTTC	ATGGC	TTTC	ATAAC	CAATGG	AG	TATT	TCA	ATACGA	TGCGT	CAG	T	
		Section 196																				
		(14431)	14431	14440	14450	14460	14470	14480	14490	14504												
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(13910)	TT	GGA	AA	CCAA	AAATTG	AATAA	-AGGC	CA	GAA	TAC	ATGTCT	TAGC	TAAT	GGC	AAG	AA--	CCT	GAGGCCT	CTG	GAT
SARS-CoV-2 Reference Genome Shuffle No.1		(13637)	TGGG	GTG	CC	TAAATTG	AATAA	CAATT	CC	GGC	TGAC	TACCAG	TTCA	TAAT	ATG	AAG	GGGG	CGC	GAT	AAAA	CAT	GAT

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 197																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	(14505)	14505	14510	14520	14530	14540	14550	14560			14578																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(13981)	GCTCTG	C	GATC	C	TGTT	CTGT	CAG	---	AAATG	CATG	AGGTTAC	TCTG	CCAA	ACCCAC	CAATGC	AAGT	TATAA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SARS-CoV-2 Reference Genome Shuffle No.1 (13711)		AAGTAA	C	ACA	C	T	T	T	T	C	GATG	AGGCT	AAAA	AA	CATC	CAGC	TTAATG	T	TACGAC	AAGGAGT	CAA	---	AAGT	AC	TAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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	(14579)	14579	14590	14600	14610	14620	14630	14640			14652																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(14051)	AAATG	GATTT	TG	AAG	CTGT	TT	C	TG	AG	GC	AAAA	CAG	AG	ACC	CAC	AGC	T	CTG	CA	ATT	C	CAT	TT	GCCAG	CC	CAGT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
SARS-CoV-2 Reference Genome Shuffle No.1 (13782)		AAA	C	GAT	A	T	--	AAG	---	T	G	T	G	T	G	GC	G	C	T	A	--	CAT	AG	TTA	C	GA	ATG	T	G	TAA	C	T	ATT	A	CA	CT	T	T	A	T	T	C	A	C	T	C	A	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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	(14653)	14653	14660	14670	14680	14690	14700	14710			14726																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(14124)	T	C	A	C	A	T	T	T	G	C	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 204										
	(15023)	15023	15030	15040	15050	15060	15070	15080	15096			
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(14475)	C C A A C T T C T T C C A T C C C A T A A T A T T T A C A C T A A - - G T C T T A T T T G - - T T C T T A C T T T C A C T C C A T G A G T A T T T C									
SARS-CoV-2 Reference Genome Shuffle No.1	(14203)		C G A A C A T T G T A C T C T G G T T C T T G T A C G A A A T G A C G C C T T A C T G C A T T T G T C A C T T T T A A A A G A G G G T C A A G A G									
		Section 205										
	(15097)	15097	15110	15120	15130	15140	15150	15160	15170			
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(14545)	T T C T A C C T A C C A A G C A C C C T C A G T C C A A G T T C A A G G A A A G A T A C A G A A - - - - C A G A A T C A A A A G T A C A T A A A -									
SARS-CoV-2 Reference Genome Shuffle No.1	(14277)		T C A A G C C T A A C G A T T A C C A T T - G T T C G C G C T T A T G G G A A C G T A C A G A A T T T C C T A T A A T T T A G C G T T T T T C A A G									
		Section 206										
	(15171)	15171	15180	15190	15200	15210	15220	15230	15244			
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(14613)	- A T A A T A G C A G - - - - - A T A C A T T T T C A G G A T A A T T G T T A A T C C T T G T T T G T G T A C T T T A C A A T G T G T G G G C A									
SARS-CoV-2 Reference Genome Shuffle No.1	(14350)		G A T A A A A A G C C T T G G A A T A C C A T T C T G C A T T C T C G - - A C T C A C T A C T T T C T C G T C T T T T T A G A T T T G A A C A T G									
		Section 207										
	(15245)	15245	15250	15260	15270	15280	15290	15300	15318			
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(14680)	C A C C A T T T T G T T T T T T A A T A C A A T A T C T T T C A T C A G T T A A A A A A C G T A G T T T C T A T T T T T C C T A T T A T A A T A -									
SARS-CoV-2 Reference Genome Shuffle No.1	(14422)		C T G A A T T A G T T C C A G T A T T A G G C A G C - C T T T A A G G A T T A C T C T A A T T A T T A C G A A G T T A T C C G T C T A T A A T A A									
		Section 208										
	(15319)	15319	15330	15340	15350	15360	15370	15380	15392			
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(14753)	- - - T G G C C G G T T A T T T C C T C T T - A T T T T T A A A A A T A C C A T T T T T G C - - - T G T A T C C T G T G T A A C T G - A T A C A G									
SARS-CoV-2 Reference Genome Shuffle No.1	(14495)		G C T T A A C T G C T A A T T T C C G G T A C A G C T T C G C T A T A T G A C G T C C T G A C C C A G G T A T C A T G C C C C T T A G T A T C T A G									
		Section 209										
	(15393)	15393	15400	15410	15420	15430	15440	15450	15466			
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(14819)	A A A T A A G T T C A C A A A A G A T T A T A A A T T T T T T T T T G C A A T A A G G A G T T A G T C A A G G C C A G T C G C G G T G G C T C A C A									
SARS-CoV-2 Reference Genome Shuffle No.1	(14569)		A A G T C C A A T G A C T A A - - - T T A T A G G C T G T T T A G C C C A T A A A A C A G A C A T - - A A G A G C A T T C G T T A C A A C T A A A T									
		Section 210										
	(15467)	15467	15480	15490	15500	15510	15520	15530	15540			
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(14893)	C T T G T A A T C C C A T - - - - - C T C A A A A C A A A A C A A A C A A - - A C A A A C A A A C A A A A A C A A A G A G T T A G T									
SARS-CoV-2 Reference Genome Shuffle No.1	(14638)		C T C A T A A T A G C A T A A T A G T T G G T G A C T C T G C T C T T A C A T A T G G T A T T A G G A G G A A A A C A C T C A A A G C G A T A T A									

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 211									
	(15541)	15541	15550	15560	15570	15580	15590	15600			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(14953)	C A A A A	C A A G T	A G C T -	T G G C C G G A T	A T G G T	G C T C A	C G C C T	G T A A T	C C C A G	C A C C T
SARS-CoV-2 Reference Genome Shuffle No.1 (14712)		A T T G A	T T T G A	A G A T G	T G G T T A A T T	T G A T C	C G A C	C G A A	T G T A T	T T T A T	G C A T T
		Section 212									
	(15615)	15615	15620	15630	15640	15650	15660	15670			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(15026)	A T C A C C T	G A G G T	C A G G A G T	T C G A G A C	C A G C C	T G G C C	A A C A T	G G T G A	A A C C T	C A T C T C T
SARS-CoV-2 Reference Genome Shuffle No.1 (14783)		A T G A C C T	C T G T G T C	G G T - T	A C A A A C	G A A - -	T G C T T	A A C T G	T G T C C T	A T T C C G A C	C A A T C G A
		Section 213									
	(15689)	15689	15700	15710	15720	15730	15740	15750			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(15099)	A C A A A	T T A G C	C A G G C A T	C C A C T G T	T G G C A	C A A G C C T G	- - T A A T	C C A G C T A C	T C A G G	G A G C T G A G
SARS-CoV-2 Reference Genome Shuffle No.1 (14854)		G G G G T	T T G T T	C A C A A A T	T T T G A A T	A C T C A T	G C T G T G A	T T A T T A	C A A C T A A	T T A C G A T A T	T G T G T T G G A G G A C
		Section 214									
	(15763)	15763	15770	15780	15790	15800	15810	15820			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(15168)	A A T T	G C T T G A A	- - C C T A	G G A A G T G	- - - G A G G T	T G T G G T C	A G C T -	G T G G T C	A A G C C A C	T G C A C T C
SARS-CoV-2 Reference Genome Shuffle No.1 (14928)		A G G A	G C T T G A G G	C A A A T G T A T	T C T T C G A T	G T A C A T A	T G A G T T A G T G T A	C T T A C C A	G T A C T G T C	T T A - - T G C G T	
		Section 215									
	(15837)	15837	15850	15860	15870	15880	15890	15900			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(15236)	G A C A C A G T	G A G A C T	C C A T C T C A A	A A A A C A A A A C A A A	C A A G T A G C T	A A T T T T G	G A A G A C T	T T T T G C A A G	G A T T	
SARS-CoV-2 Reference Genome Shuffle No.1 (15000)		G T - A C A G T	A G A T T T T A T	T A G C G A A A C A A A G C A C A T G	C A A G - A T C T T C A T A T T G	T T C T A C T A C T					
		Section 216									
	(15911)	15911	15920	15930	15940	15950	15960	15970			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(15310)	A A A T T C A	C A A A T C T T A G A T	G A G C C A A G A G C	T G G A A C T T C C A G C	A G A T G C A G T	C A G A G A A G T	G A G T A G A	A A T G A		
SARS-CoV-2 Reference Genome Shuffle No.1 (15071)		A T A G C T A	A C T A C A T G G - -	G A C A T T T G G C A T G A T A T T	T G C T G T A T A T A T A C C	C A T A C A T G T A	A G T A G T A	G T A C G G A			
		Section 217									
	(15985)	15985	15990	16000	16010	16020	16030	16040			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(15384)	G T C T T A C	C C C T T G C A T T T	A T T G G G T T C T C T	T A T G A G A T T T A A T A T G A	T A A A T G A G C A C G G T	G G C T C A G G C	C T G T			
SARS-CoV-2 Reference Genome Shuffle No.1 (15143)		- T A T T T C A A G A T C C -	T T G A T T C T A A T - - -	T C A T A C A T T G A T A A A A C C A A G	T T T A C A T T A G T T G G A C A C T						

Homo sapiens chromosome 13 NC 000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

Homo sapiens	chromosome 13 NC_000013.11: 34882059... (15458)	SARS-CoV-2 Reference Genome Shuffle No.1 (15212)	(16059)	16059	16070	16080	16090	16100	16110	16120	16132	Section 218
			AATCACAGCACTTTGGGAGACCGAGGAGGGTAGATCCCTTGAAGACAGGAATTTCAGACAGCCTGGCCACCAT	ATGTTGAACCTCTTTGTAAGCATTTCGATATTAGCATACT--AATACATATTCTAGTACGAGA-----AAAAG								
Homo sapiens	chromosome 13 NC_000013.11: 34882059... (15532)	SARS-CoV-2 Reference Genome Shuffle No.1 (15276)	(16133)	16133	16140	16150	16160	16170	16180	16190	16206	Section 219
			GGTGA--AACCCGTCTCTACTAAAAATACAAAAATAGCTGGACTTGGTGGCACGTATCTGTAAATCCTAGCT	GGTAATCAAATACGCTAACTGCTGTGTTAAAGCCG-----TATCTTTAATCTTTCGTA--TATAGGCACCACTGAGC								
Homo sapiens	chromosome 13 NC_000013.11: 34882059... (15603)	SARS-CoV-2 Reference Genome Shuffle No.1 (15343)	(16207)	16207	16220	16230	16240	16250	16260	16270	16280	Section 220
			ACTCAGGAGGCGTGACACTTG--AGATTCACTTGAAACCTGGGAGGTTGCAGATTGCACCACTACACTCCAGCCT	ACTCCGTATA--TGACCCTTTGTAGTACTAATATAAATTAGTAGAAACCCAAATTGCA--ATGACCCGAGAAC--								
Homo sapiens	chromosome 13 NC_000013.11: 34882059... (15675)	SARS-CoV-2 Reference Genome Shuffle No.1 (15410)	(16281)	16281	16290	16300	16310	16320	16330	16340	16354	Section 221
			GTCCTCAAAAAAGAAAAATTAATTAAATTAAATTAAATATATATTTATCATATTTTTACATGATTT--T	-TCCCTCTGTTTATATAAATATTACGT--TTAGTTAAACGTTATTCGTCTTTCAAGGATTGATCTA-ATCATACCAT								
Homo sapiens	chromosome 13 NC_000013.11: 34882059... (15747)	SARS-CoV-2 Reference Genome Shuffle No.1 (15480)	(16355)	16355	16360	16370	16380	16390	16400	16410	16428	Section 222
			TATATATGAT--AAATGAACCAAT--TAGACTCCATTATGTTTTTCAATGCCCCACTCCCAAAATTGTCACCAAT	TGTCTAAAAATCAGATGACCAATTCCCTAGTATCAACGGTACACAGTCAATGTTCGAAAGCT--AATCATCTCTTAT								
Homo sapiens	chromosome 13 NC_000013.11: 34882059... (15818)	SARS-CoV-2 Reference Genome Shuffle No.1 (15552)	(16429)	16429	16440	16450	16460	16470	16480	16490	16502	Section 223
			TTAAAAATTCACCAAAAGCTAAAAATTTGGATCATTTGCTTTATGACTAAA--AAGTCTGTGAATCTGCTACCAAAT	TTTACAGGGGATCTGCTCCCAA--TCTACATAGTTGGTTTAAGACCAAACTAGTCTTAAATAGGT-----CT								
Homo sapiens	chromosome 13 NC_000013.11: 34882059... (15890)	SARS-CoV-2 Reference Genome Shuffle No.1 (15619)	(16503)	16503	16510	16520	16530	16540	16550	16560	16576	Section 224
			ATAAAA-TCCCCTTCAACAAGTGTATATTCCCTTAGGAAAATGATCAAAT-TCATCAGAAAGGGCAACTTTCAAGAGTA	ATAATACGTAGATTGAAGAGTGTCTGTACAAATTGAGAGGGGATTTTATTATGATCAATTGAACCTCTATTAAAGAGTA								

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 225																																																		
	(16577)	16577		16590		16600		16610		16620		16630		16640	16650																																					
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(15962)	--TGAA	TTT	TAAG	CCATA	TTAAGA	GTTC	TC	CCAAAG	CA	CTCAGAGAAA	CATG	TT	CAG	AAG	TCCAG	CCT	CA																																		
SARS-CoV-2 Reference Genome Shuffle No.1	(15693)	AC	TAA	CTT	GT	CA	T	GGAC	TAA	AG	CC	GACGA	TC	GT	AAAG	TAG	CT	TTTG----	CCCC	TC	CAA	AAG	ATATT	CCT	TG																											
		Section 226																																																		
	(16651)	16651		16660		16670		16680		16690		16700		16710	16724																																					
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16032)	TGG	CC	ACA	---	GCCC	AAA	CA	AT	CCT	GG--	AG	TT	ATT	TT	AGTGC	TC	TGCGATAT	TT	TC	GTCCCCA	--	TC	TTT	GT																											
SARS-CoV-2 Reference Genome Shuffle No.1	(15763)	TGT	CA	AC	GTAC	GCCC	TG	AT	T	TAA	TACAC	AG	AC	AGG	TGA	ACAA	TT	T	CACGGGC	TG	TT	GTCCCCA	AG	TC	ATTT	TA																										
		Section 227																																																		
	(16725)	16725	16730		16740		16750		16760		16770		16780		16798																																					
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16099)	CCTC	CTTTTC	T--	ATA	G	TAT	CGAT	TT	CAGGAT	TAGTAT	C	ACT--	AT	CATAT	AACT	TACAC	ACACACA	CAC	ACAT																																
SARS-CoV-2 Reference Genome Shuffle No.1	(15837)	AAGA	C	GGAAA	TGA	ATA	T	G	TAA	AT	TGA	TATA	TAGTA	CG	AC	CTGGG	TT	AT	GAA	AT	TC	CTT	A	TTATGG	CAC	CC--	T																									
		Section 228																																																		
	(16799)	16799		16810		16820		16830		16840		16850		16860	16872																																					
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16168)	TAAAAA	CTGT	ATGTAG	GGTA	TATTT	TC	ATG	TTGC	CAT	TTG	CTT	CTG	ATT	ATC--	CTTGA	TCTAC	ATG	CA	TATAT																																
SARS-CoV-2 Reference Genome Shuffle No.1	(15910)	TAC	AAAC	AC	GAA	CCGC	G	TGT	T	CTT	ATC	TAT	TTAG	CGG	TTA	CTT	TCT	AAA	ATC	AA	C	GCCG	TCTA	ATG	--	T	GGTG																									
		Section 229																																																		
	(16873)	16873		16880		16890		16900		16910		16920		16930	16946																																					
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16240)	G	CTT	TT	AAAA	TAA	T	GAG	C	CTTA	TT	TAT	TT	TT	CC	AATT	TC	ATT	T	TAC	CT	TAGA	ACT	GTT	CA	TTTG	CA	TAA	G	TA																						
SARS-CoV-2 Reference Genome Shuffle No.1	(15982)	G	ACG	TT	GTTT	T	T	C	TAC	G	T	TAC	TA	AT	G	TTTT	T	ATAA	T	ATT	G	TAGAA	TAC	G	A--	GTT	--	TTTG	T	AAA	C-	GTA																				
		Section 230																																																		
	(16947)	16947		16960		16970		16980		16990		17000		17010	17020																																					
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16314)	GT	C	AG	TG	AAAT	GT	A	TAC	TT-	CTA	AT	T	G	TTC	-----	AT	TTTT	ACT	TG	TGT	CA--	AA	CC	AGAT	TATC	CT	TC	AT																							
SARS-CoV-2 Reference Genome Shuffle No.1	(16051)	GT	A	AC	TG	TAA	AG	AT	TAC	GGG	CTA	GAT	T	TTC	CTAGATGA	AT	GAAA	ACT	GT	TGT	A	AGGT	AT	C	G	AAG	T	CA	C	G	TC	GC																				
		Section 231																																																		
	(17021)	17021		17030		17040		17050		17060		17070		17080	17094																																					
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16377)	C	T	TTTTTT	CC	T	G	A	C	T	TTAC	AT	C	G	T	C-	ACAAG	CA	CAA	CCC	AT	TT	C	TT	C	AA	AT	TT	T	C	T	C	A	T	G	C	A	C	A	G	T	A										
SARS-CoV-2 Reference Genome Shuffle No.1	(16125)	A	T	AAA	AGG	T	T	T	A	C	A	T	T	A	C	A	T	T	G	G	A	A	A	T	C	A	T	C	G	CCC	-	T	A	G	A	CTT	A	TT	A	T	TT	T	T	A	T	G	A	G	TT	T	C	A

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 232																			
	(17095)	17095	17100	17110	17120	17130	17140	17150	17168												
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16450)	--TTTTC	AGTGGT	AGGA	AA	GAATGCTTCAT	GGGTATT	TCAAAACATCTTCTG	TCC	TAACCTTCGTTCTT											
SARS-CoV-2 Reference Genome Shuffle No.1 (16198)	(16198)	GATATCC	CTTGTCTT	ATTC	AA	CATGACATGAT	TCAGTGTGC	TATAAATCACTACTG	ATG	ATACATCTGACGTCCTT											
		Section 233																			
	(17169)	17169	17180	17190	17200	17210	17220	17230	17242												
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16519)	TTCTC	ACTTTG	---GATCTCT	GGTGTCTT	CC--CAC	ACAA	AAAGGG	GAA	TATGCCA	TCTCCCTTTAG--GAA										
SARS-CoV-2 Reference Genome Shuffle No.1 (16272)	(16272)	TTATT	ACATAG	TCATATT	TTCGCTT	TACTTG	CGCGG	ACACA	AAAGGG	TTGTAT	TCAAGTCA	CCGCTCACCTGAT									
		Section 234																			
	(17243)	17243	17250	17260	17270	17280	17290	17300	17316												
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16584)	ATCAAG	ATTCTAA	AAATATC	TTTCTCT	TGACCG	TTT	TGGACTG	TGG	GTA	TTCAT	AACCTCACA	TA-TAA	AAAT							
SARS-CoV-2 Reference Genome Shuffle No.1 (16346)	(16346)	TTGAA	AAATT	TACAA	ATCAGC	CCAT	TACCTAC	GTCAC	TAG-CAC	TGGTGC	TTCAT--	CTCA	AC	TAGTTAA	AGT						
		Section 235																			
	(17317)	17317	17330	17340	17350	17360	17370	17380	17390												
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16657)	TGGG	CATAAAT	GTATTT	TATTTAT	TTATTT	ATTTATTT	ATTTATTT	ATTTATTT	ATTTATTT	ATTTATTT	ATTTATTT	ATTTATTT	ATTTATTT	ATTTATTT						
SARS-CoV-2 Reference Genome Shuffle No.1 (16417)	(16417)	ATC	CGGCC	CGG	TGGCTAG	ATCGG	AAAAT	AAACTTT	ATCAG	TTGTAG	TAGAG	CC	TTT---	ACAATATGATAT	TT						
		Section 236																			
	(17391)	17391	17400	17410	17420	17430	17440	17450	17464												
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16731)	CTGT	CGCC	CAGGCT	GGAGT	GCAGT	GGG	GGCATCT	CAGCTCA	CTGCAAG	CTCTGC	CTT	CTGCCAT	TC							
SARS-CoV-2 Reference Genome Shuffle No.1 (16488)	(16488)	ATT	TAT	CACAT	CTTCATT	C----	GTCT	CGTCTCT	TGTG--	TCAATGC	TTG---	TGTTA	CCCATT	TTA	CTGCAATAG						
		Section 237																			
	(17465)	17465	17470	17480	17490	17500	17510	17520	17538												
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16805)	TC	CTGC	CTCA	GCC	TCC	TGAGT	AGCTG	GGAC	TACATG	CGCCG	CAC	CACG	CTG	GCT---	AATTTTTT	TGTAT	T			
SARS-CoV-2 Reference Genome Shuffle No.1 (16552)	(16552)	AT	CTTA	CTC	CGTA	TCC	AAAAG	AGGCT	GGA-	TACAGTTA	CCACA	CCATT	GTCT	TGTT	TTTAT	AATTTTTT	ATCGAT	G			
		Section 238																			
	(17539)	17539	17550	17560	17570	17580	17590	17600	17612												
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16875)	T--	TTAGTA	GAGAC	GGGT	TT	CA	CCGTGT	TAG	CAG	GATGGT	CTCG	GATCTC	CTG	ACC	TCG	TGAT	CT	GCC	CG	CT
SARS-CoV-2 Reference Genome Shuffle No.1 (16625)	(16625)	TCT	TTAGTA	ATTTG	AAGATA	CA---	TGTAA	ACT--	GAT	TCCAAG	GGGAGG	CT-ACC	CAATG	ATAA	GCC	-GACT					

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 239							
	(17613)	17613	17620	17630	17640	17650	17660	17670	17686
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(16947)	CGGCCTC	CCAAGTGC	TGGGAT	TACAGGCGT	GAG-AC	ACCACGCC	TGGC----	CTAA
SARS-CoV-2 Reference Genome Shuffle No.1 (16692)		CGCACTC	ATTAAAGGCG	GACTAG	TGGTATCGT	AAGT	AGATTTGCG	TAAATAGATT	CTGG
		Section 240							
	(17687)	17687	17700	17710	17720	17730	17740	17750	17760
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17013)	AATAAGCTTT	AATCAGTT	ATGA--	TAAACATC	AGTTA	TGAA	CCACAT	TGTT
SARS-CoV-2 Reference Genome Shuffle No.1 (16766)		GATAAGAAAC	AATTA	CTGAG	GGGGC	ACTAG	ACACCT	TGCT	CATT
		Section 241							
	(17761)	17761	17770	17780	17790	17800	17810	17820	17834
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17084)	-----	ACTATTA	TATTT	CAGTAA	TATTC	CAAATGC	ATT-TA	ATTG
SARS-CoV-2 Reference Genome Shuffle No.1 (16840)		CAAAATCGCT	ACTCC	TAGTCT	TATG	TAACG	TTGCAA	AATCTGGG	TATA
		Section 242							
	(17835)	17835	17840	17850	17860	17870	17880	17890	17908
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17147)	CATGTA	ACCTTT	GAA-GA	GATGTG	CTGCC	AGTCT	AAT	TATTT
SARS-CoV-2 Reference Genome Shuffle No.1 (16913)		-AGCCAC	TATTAA	TGATACA	ATCTG	TGATTA	ATA	TATCGG	CAAA
		Section 243							
	(17909)	17909	17920	17930	17940	17950	17960	17970	17982
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17213)	GAGACTTTC	TTTAT	TTTAA	ATT-TCC	TCATCT	ACCATAG	TGTTT	GTGA
SARS-CoV-2 Reference Genome Shuffle No.1 (16986)		AAAAAC	TTCACG	TAGCCCT	ATTCT	GTCTG	TTTCT	ATAAC	TGTAA
		Section 244							
	(17983)	17983	17990	18000	18010	18020	18030	18040	18056
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17277)	TATTTT	CTAGGT	CTCTT	GTTT	CTCTT	GTTG	TAAT--	TAAT
SARS-CoV-2 Reference Genome Shuffle No.1 (17060)		TATCA-	CTAGGT	TGAAT	TAGTT	AACTT	CTTTT	-TACT	CC
		Section 245							
	(18057)	18057	18070	18080	18090	18100	18110	18120	18130
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17349)	TGTTGT	CTCATC	AAGTTT	CTTTC	AGTTG	CTTACT	TAA	TCTT
SARS-CoV-2 Reference Genome Shuffle No.1 (17132)		AGATTAT	TGGAT	AAGAT-	CTCT	TAG--	GC	GAACT	TAGG

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 246							
	(18131)	18131	18140	18150	18160	18170	18180	18190	18204
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17423)	CTGTAG	ATTACAGG	TTTAGAATAC	AGTTTCCTTT	CCAGGTTAT	TGACTCTG	TTTTTCCCCT	GTGATGTTG--CA
SARS-CoV-2 Reference Genome Shuffle No.1 (17199)		CTTT-GA	CGCGG-GG	AACGC AATAC--	TTTGCTTT	TAAACAAT	ATGATCCG	CAGTAGGAA	GTAC TGGC GATCT
		Section 247							
	(18205)	18205	18210	18220	18230	18240	18250	18260	18278
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17495)	ATTTTTG	TTTAC	TAGC--	CAAGGAGTA	TAACTGGTGT	ACTCATTCGTT	TGGGAAC	TTAAATTT TTTGGG-TTC
SARS-CoV-2 Reference Genome Shuffle No.1 (17269)		ATGTTTG	AGG	GTAG	TTATCAA	TCCCCCTG	TTCTTACG	ACTAAAGTTAC	TTGAAGT TTAAGAA TTTAGAA TTC
		Section 248							
	(18279)	18279	18290	18300	18310	18320	18330	18340	18352
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17565)	TATTATTTT	TCTTTTT	TAGGTGACAT	TATTTTTTTTTT	TTACTGCATATAG	AAATAA	GGAATA	ACCTG-ACACTA
SARS-CoV-2 Reference Genome Shuffle No.1 (17343)		TAT-ATTT	ACCTAAAGC	TAATGCA	AGAGTACC	CGGAAGTT	TATGCGTACCA	AAAT--	GAGCCACCTGTAGAGTA
		Section 249							
	(18353)	18353	18360	18370	18380	18390	18400	18410	18426
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17637)	GATGT-TA	CTTCCTCT	ACCGTACCA	TCTTTCCAGAA	CGCCATAG	ACTTGTTAC	CAACAATA	TACAGTCA TTTTTAA
SARS-CoV-2 Reference Genome Shuffle No.1 (17414)		GCTGTG	TACCA	CAAAACG	AAAGT-----	GGGCTCCT	CAGCAGGC	TACAAATAA	TCGAAGTGTGGTTAC
		Section 250							
	(18427)	18427	18440	18450	18460	18470	18480	18490	18500
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17710)	ATAGT-TG	TGCTTGAT	TTTTTTTC	----TTGT	TAAAC---	TTCTATGATGA	-TTGCTGC	ACGGTATAGTAAATA
SARS-CoV-2 Reference Genome Shuffle No.1 (17480)		CAAGTATA	TGCTAAT	TTCA	TTACAGCT	TTGATCAC	CCGTTTCTA	CGGTGAC	TCGCTCTACCG-AGGC TAGCAAC
		Section 251							
	(18501)	18501	18510	18520	18530	18540	18550	18560	18574
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17775)	GATGAGCA	TATTA	TTTTAAAG	TATTTTTCAT	TGCTTTT	AACAGGCTTT	GTGCTGTGTA	AGGT TTGAACACTA
SARS-CoV-2 Reference Genome Shuffle No.1 (17553)		AAT----	AGATTAC	TTTAGCTCT	-TGTGTGTT	CTTAGAACAG	TTTAA	GTGCTG----	ACAC TTGAACA-TG
		Section 252							
	(18575)	18575	18580	18590	18600	18610	18620	18630	18648
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(17849)	AGTGAT	AA	TGAC	CCATAATA	TAAACTAAT	TCA	TGCTCATAGAT	CCCC-TCCAAGTAGGGA TTTGAGTAAATTAG
SARS-CoV-2 Reference Genome Shuffle No.1 (17616)		GGTAA	--TG	CGGAGAT	AAC	TAAAAAACA	TCA	GACACTAA	AAGAGATAAC AATTGTCG TTTAGATGTAGTTGG

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 253																														
		(18649)	18649	18660	18670	18680	18690	18700	18710	18722																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(17922)	AGGCA	ATCTTTTTC	AA	CCGAG	CAACTTTTC	TTAGAG	CACAGA	AACAACT	GCATCCTCTG	CCTTGA	TGCGGG																			
	SARS-CoV-2 Reference Genome Shuffle No.1	(17688)	AAGCA	CGCGACAGA	AA	TAAGATG	CATTGAT	TCGAGG	CACATAGG	AGC-GC	TAATAAAT	CGTGGAC	TCCAGT																			
		Section 254																														
		(18723)	18723	18730	18740	18750	18760	18770	18780	18796																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(17994)	AGCTG	CAA	TTGC	TGAA	GGTAGAT	ACGTTTC	ACGACCTA	AGTTAGAG	TTTAGCCTTT	AACCTT	ACCAA	GGGTAT	CA																	
	SARS-CoV-2 Reference Genome Shuffle No.1	(17761)	CCACT	CAA	CAAT	TG--	GTTTGA	-ACTTGT	ATGAGAAT	AATTAGAT	CTTTTAA	ACAATA	CTTGA	CGT	CGGA	GAT																
		Section 255																														
		(18797)	18797	18810	18820	18830	18840	18850	18860	18870																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(18068)	TTCCA	AACAG	C---	CATCT	ACCT	CACCA	CT	TAAAG	CAGGAA	AACG	-AAAT	GTCT	TTT	CTTT	CTTT	GTTC	ATTG	--	GCTT											
	SARS-CoV-2 Reference Genome Shuffle No.1	(17832)	TGCC	TCTT	GAGTT	G	ATCT	G	CCT	TA	AAC	CA	TAA	A	CTT	G	TCC	AG	CAT	AAA	ACA	CTGAT	TAT	ATTT	TA	ATT	TAC	GGT	G			
		Section 256																														
		(18871)	18871	18880	18890	18900	18910	18920	18930	18944																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(18136)	TCTA	CTC	CA	T	TAAAA	CTATA	GAGA	ATA--	GT	GGT	ATA	AC	TG	TAAAA	TAT	AG	AGC	CTC	TTCC	AA	GGT	TAA	AAT							
	SARS-CoV-2 Reference Genome Shuffle No.1	(17906)	AGTA	AAT	CGT	AGTGT	CTATA	AGTG	ATA	CC	GT	AGG	ATA	CT	TC	G	TGG	TAT	TT	AGC	TGT	TTT	CT	AT	G	CAT	TAA	GTC				
		Section 257																														
		(18945)	18945	18950	18960	18970	18980	18990	19000	19018																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(18208)	G	GGT	TG	TT	AT	ATT	T	TGT	CTTT	-CAC	ACACA	C	AAAA	AAG	AC	CT	C	CTG	--	CT	TCT	TTT	TC	CTT	CA	AG	C	AGG	GAA	AAA
	SARS-CoV-2 Reference Genome Shuffle No.1	(17980)	AGG	ATG	GA	AT	CGG	T	GAA	CT	CGA	CAC	CATTT	CT	GCT	AAAA	AA	CT	A	CTG	AT	CT	AAC	TT	T	CG	T	CG	AGT	AGG	AC	ATC
		Section 258																														
		(19019)	19019	19030	19040	19050	19060	19070	19080	19092																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(18279)	G	TGGCAAG	TC	TGTC	TT	GA	AC	CATT	GT	G	CCT	TT	CACA	TT	CTC	C	TCCCCAAA	GC	CAT	TT	AA	G	CTCC	TT	CG	ACC	TGC			
	SARS-CoV-2 Reference Genome Shuffle No.1	(18054)	CT	A	CGTTT	TC	ATCA	TT--	ACA	ATT	CT	T	CCT	AA	C---	TT	GAG	C	ATGGTGT	GC	TTA	TTT	T	GACGT	TT	CA	AAA	TGC				
		Section 259																														
		(19093)	19093	19100	19110	19120	19130	19140	19150	19166																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(18353)	TT	CTC	TAT	TT	CA	AG	AGG	T	CTT	TT	CT	TT	-ACAT	TT	GC	ATAAC	TTAA	-A---	GG	TAT	CT	ATC	TCCA	T	AAC	AAA	GA			
	SARS-CoV-2 Reference Genome Shuffle No.1	(18123)	AA	CTC	-A	CTT	A	AGT	ATCA	C	CA	T	CT	CGC	ACAT	GG	GC	TGTCG	TTAA	G	AGTT	GGGG	TAG	AAA	TCCA	-A	GT	AGT	GA			

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 260							
	(19167)	19167		19180		19190		19200	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(18421)	AACCC	AT	TGCC	TGAAG	GTGT	TGGAG	TTTC	CACTTC
SARS-CoV-2 Reference Genome Shuffle No.1 (18195)		GACCC	CC	TGTA	TGAC	CCGACA	T--AGT	CTAC	CTGTTC
		Section 261							
	(19241)	19241		19250		19260		19270	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(18488)	AAA	TAA	TGA	AA	TGTG	AGAG	CTGG	GAGAT
SARS-CoV-2 Reference Genome Shuffle No.1 (18267)		TCC	TAA	CAC	AA	C-TG	TCAGA	TGCG	CGAAT
		Section 262							
	(19315)	19315	19320		19330		19340		19350
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(18560)	G	GGT	C	TGG	-G	AAAT	CTG	ATAC
SARS-CoV-2 Reference Genome Shuffle No.1 (18336)		G	AA	T	TGG	T	CC	ATCT	CA
		Section 263							
	(19389)	19389		19400		19410		19420	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(18629)	G	TT	G	TT	T	TC	ATCC	----
SARS-CoV-2 Reference Genome Shuffle No.1 (18410)		A	TT	T	AA	T	AA	ATCC	TTGG
		Section 264							
	(19463)	19463		19470		19480		19490	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(18685)	---	CAACAA	-----	---	AGACAA	AA	CTTT	TCTC
SARS-CoV-2 Reference Genome Shuffle No.1 (18484)		ATT	CAACAA	GGTACG	TTTTG	AG	CGG	ACA	AACT
		Section 265							
	(19537)	19537		19550		19560		19570	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(18739)	-	T	GAA	C	AA	AT	GAGGA	AGT
SARS-CoV-2 Reference Genome Shuffle No.1 (18557)		G	T	AAA	T	AA	T	AT	TCCTC
		Section 266							
	(19611)	19611		19620		19630		19640	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(18808)	G	GGG	A	G	A	TT	TG	GAGC
SARS-CoV-2 Reference Genome Shuffle No.1 (18630)		G	ACC	A	AT	TT	G	C	GAGC

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

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Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

										Section 274				
		(20203)	20203	20210	20220	20230	20240	20250	20260	20276				
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(19337)	---	A--GTTTACTG	---AAAATGATGATTT	TC	CAATTTCA	TCCATGTC--	CCTACAAAGGACGTG	--AACTCATCAT				
SARS-CoV-2 Reference Genome Shuffle No.1		(19213)	TCA	AAGTTTATAGT	AGAACTAACC	TCTG	CAATTTG	AAAAAGATTAG	CCTTTGATGACTGTG	CCAAATTTATCAT				
										Section 275				
		(20277)	20277	20290	20300	20310	20320	20330	20340	20350				
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(19401)	TTTTAAGCTTTCT	TGACCTGTTGCATCT	TGAGATC-TCTAA	GCTGTCTTAAG	AACTCCGTA	GCACACA	AAAAGGA					
SARS-CoV-2 Reference Genome Shuffle No.1		(19287)	TGGGAATTTATGAT	TATAGCTTGTTATGT	TGTTACATAGT	AGGC	GCTCAGACA	CAATTGC	CAAGGCACA	AACCTAAT				
										Section 276				
		(20351)	20351	20360	20370	20380	20390	20400	20410	20424				
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(19474)	GT	TAGAAGCATCCT	TCAGCATT---	CC	TGAAGCT	TAGGCCAGTGTAT	CTTGAGCAAC	CAATTTCTTC	TAAATGCT			
SARS-CoV-2 Reference Genome Shuffle No.1		(19361)	AA	TACGAGCAGATC	TCGATTATCTT	TGACTCGTAA	GCCGTGATGGA	TATCGTAAAC	TCTTTTACT	TGGTGTG-				
										Section 277				
		(20425)	20425	20430	20440	20450	20460	20470	20480	20498				
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(19545)	A	TAGACCTTCAT	GAAACCTTTT-TT	GGATCTATT	TTTTGT	TTTTTC	TACCCCTGGCTGTGT	TCGTAAT	TGCTTCA			
SARS-CoV-2 Reference Genome Shuffle No.1		(19434)	-	TAGGTCCAGAT	TGGTCTG	CAATT	TGAATTACT	TCGCTTGACGA	TAAACGAAGGGT	TTTGATAC	TAATAGGTG--			
										Section 278				
		(20499)	20499	20510	20520	20530	20540	20550	20560	20572				
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(19618)	CGAT	GACATCTCAT	TGACAGATGCAAGG	CTGCTGACAC	CA	CGCCAGACTC	----TCTGA--	AA	TGAAATCAT			
SARS-CoV-2 Reference Genome Shuffle No.1		(19505)	-GT	TACGATT	TGGTGGATACA	-GC	GTCGATGCGC	ACGTCTCGCGTT	AATCTTGT	TCTGGTTC	AAAGTAAATGAGT			
										Section 279				
		(20573)	20573	20580	20590	20600	20610	20620	20630	20646				
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(19685)	T	GACCTTGAGG	GGATCT-----	GGGCC	TTC	TGGA	CTCTTTCATT--	CTG	GCTGAGAAC	TCTGTGCC		
SARS-CoV-2 Reference Genome Shuffle No.1		(19577)	A	GA-ATTT	TAGGTCCA	CTAT	CGTACGCGAG	GGATA	TAA	TGGA	TAA	TAAATTGGA	CTTGGAAGTTTTAGTTGTT	
										Section 280				
		(20647)	20647	20660	20670	20680	20690	20700	20710	20720				
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(19745)	CT	ACTTTTGAGGGT	TTGAA	CCCTCAG	GGGAAGAAG	CTAAC	TTAG	-GAA	TTC	TCGTTGCCCTC	AT	TGCTCATCTCTG
SARS-CoV-2 Reference Genome Shuffle No.1		(19650)	CT	TATTTGTA	TGGTAGATA	TG	CTCGAGTAA	AAGTACTT	TTAGC	CGTTC	CATGG	TGTAG	AATGAA	CCTTTTAG

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

										Section 281
	(20721)	20721	20730	20740	20750	20760	20770	20780	20794	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(19818)	AGCTACCTTAGC	ACCTCAA	AAAGGGC	CCGCAAATCCTGT	CCCTTTCTTTAT	TCAACAAACCT	CAAA	TTT	TGGTGA
SARS-CoV-2 Reference Genome Shuffle No.1	(19724)	ATATACTTATCT	-AA	TGCCCAT	CCTCGATTACTCT	ACTTCGCAGATG	TGAAAATATC	CGTT	TGC	TGATCA
										Section 282
	(20795)	20795	20800	20810	20820	20830	20840	20850	20868	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(19892)	C---AGAGTG	CAGGTGC	CACAGGG	-ACTTA	-----G	AGTCATGGTT	GAAC	AAGG	AAGG
SARS-CoV-2 Reference Genome Shuffle No.1	(19797)	AAAAAGAA	TGTA	CTTG	CAAA	TATT	ACTAA	ATATATGT	AA	TCTTGA
										Section 283
	(20869)	20869	20880	20890	20900	20910	20920	20930	20942	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(19952)	AGATG	CCCTAC	AGAGGC	TACT	CCGGT	CACATAT	GTCAG	CGAG	GAAGT
SARS-CoV-2 Reference Genome Shuffle No.1	(19869)	ATATCAAT	TAA	TAACT	TACG	CTTAA	CGT-	TAC	GTTT	GTTT
										Section 284
	(20943)	20943	20950	20960	20970	20980	20990	21000	21016	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(20026)	GCTTGTGT	TGTC	TTTAGG	GGAGAG	CGAATT	CTCAG	ATCTAG	CCAGTC	ATTGAA
SARS-CoV-2 Reference Genome Shuffle No.1	(19942)	AAC	TACT	TAT	TTTGG	TTATTC	CTATAC	CTAAC	AGT--	CCAG--
										Section 285
	(21017)	21017	21030	21040	21050	21060	21070	21080	21090	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(20100)	TTTCC	AAAT	CT	TATCG	TAAAG	ACAA	GACAG	CAATCCA	--
SARS-CoV-2 Reference Genome Shuffle No.1	(20011)	TTTCC	TAA	TC	TATCG	GGTG	AAC	CGGT	CGGTG	AGAA
										Section 286
	(21091)	21091	21100	21110	21120	21130	21140	21150	21164	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(20172)	TGACAA	CTAG	TAA	TCCCCCA	AAACAA	ACAA	CAAA	CAAA	CAAA
SARS-CoV-2 Reference Genome Shuffle No.1	(20085)	TTACT	TACGT	GT	CGT	TGTTTTTC	ATGTT	AT	AA	-CA
										Section 287
	(21165)	21165	21170	21180	21190	21200	21210	21220	21238	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(20246)	AGCTAT	CTGTAG	CT	GGGT--	TCTG	CTGGGG	CT	CTCAT	TCTATGA
SARS-CoV-2 Reference Genome Shuffle No.1	(20155)	TGAGAT	GTGT	GACT	CAACAA	TATG	ACAGG	ATAC	-CTC	CTGGA

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

										Section 288																					
		(21239)	21239	21250	21260	21270	21280	21290	21300	21312																					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(20316)	TGTCAC	TCAT	TGTC	CA	TTT	CAT	GGT	GT	-----	TGTG	GGAGT	TTAAA	AT	TTT	AA	ATA	AG	AT	GTGG	A	-	A							
	SARS-CoV-2 Reference Genome Shuffle No.1 (20228)		TGCGAG	TGAT	CCAG	CA	AGA	CAT	TAT	T	CAAA	TTCCAA	T	AAC	GGAGT	CGT	GCCC	TG	TCA	AG	AG	CC	GCCT	ACA							
										Section 289																					
		(21313)	21313	21320	21330	21340	21350	21360	21370	21386																					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(20380)	CAAG	GAT	----	GGC	AA	T	AAT	TT	CTA	AT	TGC	AT	GC	AC	CT	CT	GAT	TT	ATT	AG	CAGT	GG	CT	GCCG	T	AG	CA	CTA	
	SARS-CoV-2 Reference Genome Shuffle No.1 (20302)		CTAC	GACATAG	GGC	CAAT	TGACA	CAT	AT	T	ACT	AT	CT	CGG	CAC	AG	G	---	ATT	G	GCA	TAG	GG	GT	T	---	T	AG	CA	TAC	
										Section 290																					
		(21387)	21387	21400	21410	21420	21430	21440	21450	21460																					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(20450)	C-AT	TTAGG	ATTC	TGA	GG	CT	-GTT	TCTA	GG	TCT	G	CAG	AAA	AAG	CAT	G	TGT	TAA	AT	TC	AAT	GT	T	GA	T	GAT	GG		
	SARS-CoV-2 Reference Genome Shuffle No.1 (20370)		CTAAT	GAAA	CAT	TGA	TAA	TAG	TT	GCTA	C-	TCT	T	CA	C	ATTCTA	CATT	T	--	TCCG	TGC	TC	T	TA	GT	AG	T	AC	GGT	T	
										Section 291																					
		(21461)	21461	21470	21480	21490	21500	21510	21520	21534																					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(20522)	TA--	CAC	AAGGC	CTG	TAT	TT	TC	AA	--	TT	CCCC	AACC	AA	CA	AT	CCCC	AT	GA	AG	GTT	AGT	GTT	GGT	GCT	T	GA	ATA		
	SARS-CoV-2 Reference Genome Shuffle No.1 (20441)		TGAG	CAA	AAGGC	GT	-	T	AAA	TG	AA	GC	TT	GTT	TGT	GTT	AAG	CA	G	CAGAGT	TAC	AG	TGG	A	ACCC	G	CCAT	AT	T	AGGA	
										Section 292																					
		(21535)	21535	21540	21550	21560	21570	21580	21590	21608																					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(20592)	AA	TG	ATTT	CAG	--	TT	ACT	C	CTC	CT	C	TT	CTTA	---	GCT	C	TTT	A	ATT	CAAGT	GTG	CT	TCT	C	TCAT	CT	ACT	GT	TC
	SARS-CoV-2 Reference Genome Shuffle No.1 (20514)		TG	TT	ATTT	AAG	TA	TT	TG	T	CTC	AA	CA	ATT	TAA	AA	AAG	GCT	T	TTA	ATAG	CAAGT	CCA	CTGA	-	CAAGC	CC	AC	AG	GT	TC
										Section 293																					
		(21609)	21609	21620	21630	21640	21650	21660	21670	21682																					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(20661)	C	CAAG	GC	T	GGA	AA	AT	TG	AG	CA	CT	G	ACT	-	TT	---	CAGC	GA	AT	TGGCGG	AG	GCGGGGGT	G	GGT	TGGG	GG	TC	CTG	
	SARS-CoV-2 Reference Genome Shuffle No.1 (20587)		G	CA---	GC	G	TAGG	TAA	G	T	C-	AG	AT	C	CC	ACTA	TTACA	CA	TT	GAG	T	TAATT	AG	ATTACCCG	A	GTAT	AAC	GG	AA	ACA	
										Section 294																					
		(21683)	21683	21690	21700	21710	21720	21730	21740	21756																					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(20731)	CC	AGG	TC-	ATCA	GGT	GTC	TT	TG	CTTA	TA	AA	CT	CATGA	GG	CATAA	ATC	AAG	CCA	ATG	CA	TT	CA	ACA	CT	TACAG	G	AGG		
	SARS-CoV-2 Reference Genome Shuffle No.1 (20657)		CCG	GC	TCCA	AGT	GGT	ACA	TT	C	GC	TA	-	AG	CT	-----	GG	AATAA	T	--	AAG	TA	AGAT	C	-	TT	AT	ACA	AT	TGGT	G

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1		(21757)	21757	21770	21780	21790	21800	21810	Section 295		
		(20804)	AGAGTAACTGATCTAGACACCTGTATATAATTTTTTCAGATTTCCTGTGATGTAAATATATCAGAGCA	(20722)	AGATTAATCTGAAATATCAAAAGCTCGTACGTCCAGTTAAGCAGACATAAGTCAATACTTAACTATATCAGCCCA	21820	21830				
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1		(21831)	21831	21840	21850	21860	21870	21880	21890	Section 296	
		(20878)	AAGTTGTACTACTCTAGACCAATCAGGCTCCAGATGATAAATATTTTAATCTGAGTTGGTATTCTAGCTCATT	(20796)	ATCTA--AC--CGAGAGTACACTCAAGCG--GCGAGATAATTTTAGGTTAAATAATTTATG---CATT	21904					
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1		(21905)	21905	21910	21920	21930	21940	21950	21960	Section 297	
		(20952)	TAATATATCAAAATG---AGTTTACTTTGGAATAAAAATGACCTTAAATACAAATTTTTCAGATACTTTATTTTAA	(20861)	GGCAAGAGCGAAGAGTACAGGTTAGCTTTGTCCAAAGGAGCCCGCCATAGAAATGATTTTATAATAATTTATAGTTGG	21978					
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1		(21979)	21979	21990	22000	22010	22020	22030	22040	Section 298	
		(21023)	AGAG--AAACAATAAAA--ACCAACACTTGGAAAACAACCTACAAATTTAATTAATTTTTAGTGTTTTAGTTCTT	(20935)	GGGGTTAAAGCATTTCTGGTATCAACTTTTGGCAGCACCTATTCTGTTTACCAGTGAAAATATTTTTGACGTAAT	22052					
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1		(22053)	22053	22060	22070	22080	22090	22100	22110	Section 299	
		(21093)	GATAGGGAACCTGAACCCAGAAAGTAATT-GAAAAATGTTATCTCCACAAATATATCTAGAGGTAAAGAGCA	(21008)	CATAT---AACGGAATGCCAGGTGCTAGTTCTGTGTTTGTGTTGTCGTTTGATCGATTTTACATAATTAAATTAA	22126					
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1		(22127)	22127	22140	22150	22160	22170	22180	22190	Section 300	
		(21166)	TTTGAT-----ATGTTAAAGAAATATATATT---TTTAAACGTCC-ACTTATGTTTAC-----TTTG-GAAGGA-	(21079)	TTACACCAAATCCTTTATTGAAATCAATTTTGCAGTCAAAACAGAGAGAGATATTCGTCCTCAATTTAGCGAAGTTG	22200					
Homo sapiens chromosome 13 NC 000013.11: 34882059... SARS-CoV-2 Reference Genome Shuffle No.1		(22201)	22201	22210	22220	22230	22240	22250	22260	Section 301	
		(21153)	ATTTCTTTATAGAAAATGCTAGCAAATAGATAAGTTCTTACTA--CTAATTCACTCTGTTTTCTCAT-----	(21153)	ATTTTTCAGTAAAGTTTAACAAATT-ATAATTTCATGCGAAAACGATTGGAATAATTATGCGGATGGTGA	22274					

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 302									
		(22275)	22275	22280	22290	22300	22310	22320	22330	22348	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (21289)	SARS-CoV-2 Reference Genome Shuffle No.1 (21226)	--AAATCTTCTGACAAAT-TTCAGTCAAGTAA TC AATG-GTCTGCAAGCTCCCA GTTTCCAACAA TTGCTAAC									
		CCAAACA CTCA TAAATG TTCAGATACAAT T-TC TGTGCTAT AAGA CAACTTT GTTTTGCACGTAGACACA									
		Section 303									
		(22349)	22349	22360	22370	22380	22390	22400	22410	22422	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (21359)	SARS-CoV-2 Reference Genome Shuffle No.1 (21299)	TCAGTA-ACT-AACATCAACTAC TTGAGTCAATAG AATAGG TAGTAGTTGG--- CCTATATG TGATTTT TAGAC									
		TAGGCAGACTGAACATATA--AATTGAATCTACTCGGA ACTTCTCC GTTATGCTTCCAGATCTGATTTTTCGT									
		Section 304									
		(22423)	22423	22430	22440	22450	22460	22470	22480	22496	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (21427)	SARS-CoV-2 Reference Genome Shuffle No.1 (21371)	CACATATAGAGGATTTGA-TATAAAAAATCTCCCCACAATGCCCAAAATCTCTTTCTTCA--TCAACACGATGT									
		CACTCGCATAGGACCCGCGTATTAAATCAGTCTTTAAT AAGGCA--AAACA TTTACTTCAAGGTATAGAAATCTT									
		Section 305									
		(22497)	22497	22510	22520	22530	22540	22550	22560	22570	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (21498)	SARS-CoV-2 Reference Genome Shuffle No.1 (21443)	TGATGCTGAACTCAGCAATCAGACTCC TTCTGAATTTTATTAATTCAATTATTGC AATATTTGTTTAAT TGGAG									
		TGCGGT CAGGAACTAATAA CTACTTGTT TTTTGAA GCCTGGT TATTCA CGTCCGCATTA TCCATCAATGCTC									
		Section 306									
		(22571)	22571	22580	22590	22600	22610	22620	22630	22644	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (21572)	SARS-CoV-2 Reference Genome Shuffle No.1 (21517)	TATCAAAATG-TC-ATTGTCTTTGAGACTATTA AA--AAATAGTGCTTCAATA--TAAACTATT TATTGTC TAC									
		AGTGAGGT TATC GATTAA CATTGTAAGTATCCATTCAATA TGATTTGACTTGCC AAA GAGATATTTG GATT									
		Section 307									
		(22645)	22645	22650	22660	22670	22680	22690	22700	22718	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (21640)	SARS-CoV-2 Reference Genome Shuffle No.1 (21591)	AGTACA TCTTCCA TTTATTTGATTCTGATTATATAGATTCTTCCAATTGTA ACTTGTA GGTAGC TAA TG GCA									
		AAGCCAAGTGG--TTAACGAGTAAAACATGCAATAGCCTACAGCGAACAT TCTTGT TACGAATAT TAA GC GCA									
		Section 308									
		(22719)	22719	22730	22740	22750	22760	22770	22780	22792	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (21714)	SARS-CoV-2 Reference Genome Shuffle No.1 (21663)	TTGCAAAATA----ATTTTTGTCCA TAGACA TGC AA CTGA ACT GTTCTCCC GCTGTGGA AAAAAT AGTT TTGTC									
		TTAAAGAA GACAGC ACTTTTGT---TAGAT-TACTTCTTAGAAGTTA-C AAGATATCAG AACATC AGGTGTG GT									

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 309							
	(22793)	22793	22800	22810	22820	22830	22840	22850	22866
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(21784)	TCCATTTGCA	CATTTATT	TC	AATAGTCTTT	GATCTAG	---AAATGTGTCTGT	TTA---AT	TGTTTGGGA
SARS-CoV-2 Reference Genome Shuffle No.1 (21732)		AG---TCGCT	CATGAATT	ATCT	AGTCTTTACC	CGAGCGAAGAACAG	CCCTGCTTA	TATATAGCT	CGGGAATTATG
		Section 310							
	(22867)	22867	22880	22890	22900	22910	22920	22930	22940
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(21851)	TTTTCTTTTGAA	TGCTTA	-----TAATAT	CTGCCTAG	TTCTCTCACTGAA	CAATGAGTTA	AGTAA	GATCTT
SARS-CoV-2 Reference Genome Shuffle No.1 (21803)		TCCGTGCTTGAA	ATTCTGA	AATCAGTGATAT	TACGGAGA	TTCTCGTCTACCT	CAAGAAATCT	AGTTT	CTGTTA
		Section 311							
	(22941)	22941	22950	22960	22970	22980	22990	23000	23014
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(21918)	TAAATACATGTT	TGC-----TTTAT	ATCTGTA--TGAGT	CATGATTT	TACTTCTTT	TTTGA	AAATATATCTTTTAA	
SARS-CoV-2 Reference Genome Shuffle No.1 (21877)		AGAGTACATGTT	AGCGTGT	TATACATCTATA	CTTAAGTAT	TGGAA	TGTGGTCAG	TTTCAA--TCGCGAAGACA	
		Section 312							
	(23015)	23015	23020	23030	23040	23050	23060	23070	23088
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(21984)	TGATAT---	TTTCTATTT	GATCAATATAAA	TTCTTGACA	AAGTAAT-TCC	AATATTTATCC	ACATTTAT	GAAAA
SARS-CoV-2 Reference Genome Shuffle No.1 (21949)		TGAATCTCTTT	TCAGTGC	GGTCA	CCACTGAAA	CTGCATACATC	AGCTGT	AACCCTTTCGAT	AGAGTTCTCTCCT
		Section 313							
	(23089)	23089	23100	23110	23120	23130	23140	23150	23162
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(22054)	AAGACCTTT	GAAAAAGTAAGA	AACTTGATTAATA	ATTT--GCAAT	TTTATTTTAT	TTCTAC	CAAAATGTTGT	T-
SARS-CoV-2 Reference Genome Shuffle No.1 (22023)		GAGATCGGTT	TCTAA	TTACGCGAGAT	TAGATAGAGC	AGTTAAGCAT	GCTAAATTTTG	CGCACA	GAATAGTCA
		Section 314							
	(23163)	23163	23170	23180	23190	23200	23210	23220	23236
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(22125)	-----GAT	AAATGTGTTT	CTGAA	AAGTATATTCCAC	AGCTATGTGT	TCCTGACCT	ATTTTAT	CTTTAAAATCT
SARS-CoV-2 Reference Genome Shuffle No.1 (22097)		GCGAGGGGAT	CTACGG	GTTT-TGAA	GCTTAGGCGAGTG	AGCTTTCAT	TTT	TGCGCTGTGAG	AGCGTTTCCAT-T
		Section 315							
	(23237)	23237	23250	23260	23270	23280	23290	23300	23310
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(22192)	TATTTAAC	TCTAAATTT	TGGAAAA	TGTAATAAG	GAA--ATAAACAA	TTAA	AAAGCA	ATTAAAGGTAATTAT
SARS-CoV-2 Reference Genome Shuffle No.1 (22169)		CCGTTGTTT	CTAACTT	AGGCTTC	TGAGGAAAGTCA	CTTAAACAA	AGTTAAAGC	TATATCTA--GCATTTT	

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

										Section 316																						
		(23311)	23311	23320	23330	23340	23350	23360	23370	23384																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22264)	TGAGC	ACGTG	CTCTA	TTCAG	ACTTG	CTCA	AATAT	CTGAC	CAAGGATCCCG	GTATG	CGTCT	CAC	TTT	GAA	AAAG															
SARS-CoV-2 Reference Genome Shuffle No.1		(22241)	CCTCG	ACGGT	TAGG	TTC	AACAT	TCTCT	CTC	GAGC	AT-TGA	AGA	-----	GTCTG	GAAAT	TC	TTT	GT	TTAT	ACTA												
										Section 317																						
		(23385)	23385	23390	23400	23410	23420	23430	23440	23458																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22338)	CCC	TTTT	AAAGT	CCA	TCTAA	GAGC	AAATT	CATT	TCTCT	AGCAT	CTACT	GAAAA	ACAGCCA	GTCA	AAGA	ATAT	G													
SARS-CoV-2 Reference Genome Shuffle No.1		(22305)	TAG	TTTT	TGA	TG	CCA	ATTC	CGG	CTTAA	ATTG	AGAT	TATAC	AGCAGA	CTTCT	ACAA	TAA	AATGT	GCTT	AAGA	TATC											
										Section 318																						
		(23459)	23459	23470	23480	23490	23500	23510	23520	23532																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22411)	TTC	ACA	----	CCCTC	CAAG	TGTT	TCTC	CAAT	GTAAC	AGCC	ACTGT	CAG	CAGGG	TGACT	GGG	CCCCTTC	CCCAG	G												
SARS-CoV-2 Reference Genome Shuffle No.1		(22379)	CTATA	AGTAGG	CAATC	TTAG	AAAT	ATT	TG	CAAG	GGGAT	AAAG	ACACG	CTA	CAATC	TG-----	CCCCTTC	TGAG	G													
										Section 319																						
		(23533)	23533	23540	23550	23560	23570	23580	23590	23606																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22481)	GCT	GT	CAC	GTCT	GATG	CTC	CTT	CAG	TGAC	CCG	GCC	TTCT	AA	TT	CAGC	TAA	ACC	CTT	CTC	CTT	TC	AA	CCT--	C						
SARS-CoV-2 Reference Genome Shuffle No.1		(22447)	CCT	ATG--	GAC	AAA	ACAT	TGAC--	CAT	CTTG	CGG	TGT	TTAA	AA	ACATAA	TAC	ACC	ACC	CTG	CTT	TAT	TAA	GT	TAT	A	C						
										Section 320																						
		(23607)	23607	23620	23630	23640	23650	23660	23670	23680																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22552)	AGC	CCT	GT	CAC	CA	GGAC	CAG	CTCT	CA	TTCC	ACT	CAG	TCT	GC	TT	CAG	TGG	GAAT	CGGA	TGAG	CG	AC	TC	TA						
SARS-CoV-2 Reference Genome Shuffle No.1		(22517)	ATA	CCT--	CAC	TAT	GAG	TT	GAA	TGA	ACTA	AG	TT	TCAT	GAG	CTT	TAC	CTCA	A	GACT	TTTTT	TGT	GAAT	AC	AA	T						
										Section 321																						
		(23681)	23681	23690	23700	23710	23720	23730	23740	23754																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22624)	CAT	CCAT	GG-TGGT	CAA	GG	AAAT	GGG	TTGCC	GTGA	TGT--	GG	AGTGG	AAT	TCGAG	GT	GCA	GAC	CC	TT----	CTA										
SARS-CoV-2 Reference Genome Shuffle No.1		(22589)	CTTT	CAT	TTT	TCC	CAA	TTA	TTAG	AG	CTATT	GATC	TGT	GC	GGT	AGTGG	AT	CTCC	GG	GAC	GG	CC	AT	GAG	C	CT						
										Section 322																						
		(23755)	23755	23760	23770	23780	23790	23800	23810	23828																						
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22691)	TT	GT	TT	AGA	AAC	AG	AG	CT	AT	TGA	AT	CCCC	AGGGT	AAA	CC	AAA	ACTAAG	AGTG	CT	GAG	GA	AG	ACC	TAG	AG	TCA				
SARS-CoV-2 Reference Genome Shuffle No.1		(22663)	TT	CC	TT	TGA	TTA	ATT	GT	TAG	TG	TAG	TAT	TAA	ATAAC	AAA--	AA	AG	ACTAAG	TAGT	GAT	AT	GT	ACT	ACC	ACA	A	CAA				

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 323													
		(23829)	23829	23840	23850	23860	23870	23880	23890	23902					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22764)	GAGG	CCGTAA	CAC	TCC	CATGA	ATGTAGGA	AAAGTAACT	TGAGAACAGTTGACGTAGT	---AAATAAAAGAGG	GAGC			
	SARS-CoV-2 Reference Genome Shuffle No.1	(22735)	TACAC	TGTAA	TCT	TTAC	GAGTAGGC	ATTTAA--AAAC	TGATTTCATA	TATACGTAGT	TGTGAC	TATACCGGACAC			
		Section 324													
		(23903)	23903	23910	23920	23930	23940	23950	23960	23976					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22835)	TTT	TGCATGA	TAGCAG	AATAGTCT	TAGAA	TCAGCA	GTGGGAGCAA	AGTAAGCAAGAT	GGCAGCACT	TACTCTCTG			
	SARS-CoV-2 Reference Genome Shuffle No.1	(22807)	TCG	TAGATGA	--GCTGA	TAGTCT	ATTGAC	GATGCGT	T--ATCAA	AGTCTTCA	GAT--CATAG	TTATATCAAA			
		Section 325													
		(23977)	23977	23990	24000	24010	24020	24030	24040	24050					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22909)	CCCTAG	AGGGAT	TACAGT	CTTGAGAGGG	GAGAC	CAACAACA	AAGCAATT	TACAAT	ATTGCTCTG	ATCTGTAG			
	SARS-CoV-2 Reference Genome Shuffle No.1	(22873)	CC----	ACCGCA	TATA--CTT	-----	CCGTACA	CCATAG	AAGTAG	TAGTAATC	ATTGCGT	TAAATTTATG			
		Section 326													
		(24051)	24051	24060	24070	24080	24090	24100	24110	24124					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(22982)	ATGAT	CAGGGA	ATTCTA	AGGATG	CCCACCGA	AGGTAAAT	TGGATCCC	AGTCTGGG	TCAGTGTGGA	GTATTTCACAA			
	SARS-CoV-2 Reference Genome Shuffle No.1	(22931)	AGAAAC	GTGTC	ATAATTAT	GACGTATATCTA	AAGCTTAGTA	ATATACT	TCTC--TTAG	-----	GTACTCGCTA				
		Section 327													
		(24125)	24125	24130	24140	24150	24160	24170	24180	24198					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(23056)	AGG	GAAAGAA	TTAA	TGGGAA	CTGGGCAC	TGTTAT	TCAAA	CATGATCC	AGAGAAA	CACTAAATATGAGCAAA-			
	SARS-CoV-2 Reference Genome Shuffle No.1	(22996)	CCC	GGAAGAA	TTAA	ACGGGGA	GAAAGTTATCT	AATGCGAC	CGCTGTC	GGGCCTTAA	ATGCACAGT	TATAGAGAT			
		Section 328													
		(24199)	24199	24210	24220	24230	24240	24250	24260	24272					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(23129)	ATGA	ACTTTTC	AGTCACT	GGGAAA	GCATCT	TGTAGGT	GAGT	TAGAAAT	GATGGAAT	AAGCATCG-CCAC	AGAG		
	SARS-CoV-2 Reference Genome Shuffle No.1	(23070)	ATGAC	CGGTTTC	CA	TGTCTCAT	AAAAGATCA	TGTCAAA	GACTTGCC	AGCGAT	CTCCCAT	GCACTA	CCACCTTC		
		Section 329													
		(24273)	24273	24280	24290	24300	24310	24320	24330	24346					
Homo sapiens	chromosome 13 NC_000013.11: 34882059...	(23202)	CAAT	GAAATCTC	---TCC	CATGCT	TACTGAT	CAACAT	TCTGAT	TATTAGTG	TATCTTCC	TGGG	GTACCC	TAA	TCT
	SARS-CoV-2 Reference Genome Shuffle No.1	(23143)	GATTCCT	TCGAAGAT	TAA	CACGTGTAG	TACTCA	AAACTA	GATGAGAA	TAAATATCTT	TATTACC	GT	TAAATAA	GGT	

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 330									
		(24347)	24347	24360	24370	24380	24390	24400	24410	24420	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (23272)	SARS-CoV-2 Reference Genome Shuffle No.1 (23216)	CAG-CAAAGGAACATCCTGGATGGGGATACATGCACGCCAGCACTAGAAC-----TGGATATCTCCCACTA									
		CCGGCGATTGCACCTATGAGCATGAGTCTGAATATGTGCCGATACCCCATACGCCGCTTTACTAGGTCCACCA									
		Section 331									
		(24421)	24421	24430	24440	24450	24460	24470	24480	24494	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (23339)	SARS-CoV-2 Reference Genome Shuffle No.1 (23290)	TAAATTACCCAGGACTCTTTCGAGTAGATTGCCATGAAATCTTCTTCTCTGAGGCCTTTCCCACTTTGAGAAATATG									
		CAGCT-AGTAATGAAGTTGTGACCGGGG-GCCA--AAAGTAAATGTACTG----TTCCTCTCTTTTACAAATAT									
		Section 332									
		(24495)	24495	24500	24510	24520	24530	24540	24550	24568	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (23413)	SARS-CoV-2 Reference Genome Shuffle No.1 (23356)	ACAGGGCTGAAGGCCAGACTGGGGGCCTTCTTAAATTCACCAAGGTAAATGCCACCTGTGAGGCTTCTTTGGCAG									
		GCTTAAATTAAGGTGTGTATTGTACGTATGTAACTGGGATCG-ATGAAAGCTAAAGAACTATTACTTAG									
		Section 333									
		(24569)	24569	24580	24590	24600	24610	24620	24630	24642	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (23487)	SARS-CoV-2 Reference Genome Shuffle No.1 (23429)	GCAGTTTTCAGCATTTCTCTGGGAAGCACCCT-AACCCT-TCTCTACAGCGCCTTTGAAATTTTAAACAATGGGCA									
		TAAACAAATAGATTTCTCTATGGTAGCTGTGGTAACCGAATGTAATAAATTCTGGTTGAAATTCGGGGATAGCTGCC									
		Section 334									
		(24643)	24643	24650	24660	24670	24680	24690	24700	24716	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (23559)	SARS-CoV-2 Reference Genome Shuffle No.1 (23503)	TAGTGAAATATGAAATTAGATGTCACCTATGTCACCAATCAGCTCTGTGGAAACATAAAACCTCTTT--GTTTGA									
		AGACCCGTATGTAGAGCATAAAAGCCGATCACGTGACTGGGATTGGTTGCGTC-TAAGACATAAGTTACGGTATAT									
		Section 335									
		(24717)	24717	24730	24740	24750	24760	24770	24780	24790	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (23630)	SARS-CoV-2 Reference Genome Shuffle No.1 (23576)	TGGCTACACATACTTTTATTTGACAAGCCCTGTAACTGCTCAGCACCAGAAAACTAAATT---GTTCCATTCA									
		CACGCTAAGATCTTTTATTTACGCA--CTTTTCTTTGCGCAGCGGGCAGAAAGAAATAAATATACGCTACGCCCA									
		Section 336									
		(24791)	24791	24800	24810	24820	24830	24840	24850	24864	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (23701)	SARS-CoV-2 Reference Genome Shuffle No.1 (23648)	--GAAAACCTTGGT-----CCAAACCTAGTAAATTTTTC---AGTTTCTGCTAGCTTAAATTTAGCATC									
		TCGAAATTTTGTGTTGCTTATCCGCGGTACTCGATTTACATAAGACTTTCCTTATCTCCATACTTTAAAGA									

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

										Section 337
	(24865)	24865	24870	24880	24890	24900	24910	24920	24938	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(23759)	TCTCA	GGTAAAT	ATTCAAT	CAAATG	----CAAGTG	TAAATTCGT	CACTGTCCAGTTCAA	TGCTC	TCTTC
SARS-CoV-2 Reference Genome Shuffle No.1 (23722)		TCTCA	ACCAATC	ATCGAT	AAATGAAGA	CACGTGA	TAAAGCAGG	CGCTATTTA	TTGAA	--CTCTTAA
										Section 338
	(24939)	24939	24950	24960	24970	24980	24990	25000	25012	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(23828)	CTACA	ATGCC	TCCA	CTGTC	-AT--C	CAACTCTCA	--GGA	GGCCCTG	AGAGGCCCT
SARS-CoV-2 Reference Genome Shuffle No.1 (23792)		CTTGA	CGCAG	TACAGG	GTCAG	ATTGT	CAATA	CCCAAT	GATGTAT	TATCAGA
										Section 339
	(25013)	25013	25020	25030	25040	25050	25060	25070	25086	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(23897)	AGTGG	AAGAC	CTAAAT	TAGACCC	AAATA	CTATGTGC	TGCCTTGAC	ATCTG	AAAAATC
SARS-CoV-2 Reference Genome Shuffle No.1 (23864)		ACTATA	TTAC	GCTAA	GCTT	AGAGG	AA--CTAT	CACTTG	----GACT	T--GAC
										Section 340
	(25087)	25087	25100	25110	25120	25130	25140	25150	25160	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(23971)	GGCCT	GATCC	CAAGTT	CACCT	CCTGCT	CCA-TGG	TTAAAGT	CCCCC	CAGTCC
SARS-CoV-2 Reference Genome Shuffle No.1 (23929)		CGTGA	GTGAC	AG--CA	CTAGG	GATG	CCAGTGG	TTTAC	GCTTT	CATT
										Section 341
	(25161)	25161	25170	25180	25190	25200	25210	25220	25234	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24044)	ACCA	GGCA	CA	GTTTCT	GCTTAT	CCCTA	AGTAG	TGGG	GTTTCA
SARS-CoV-2 Reference Genome Shuffle No.1 (24000)		--CA	AA	CA	TCGTT	ACGTT	GGAG	CATAC	ATA	TAAAG
										Section 342
	(25235)	25235	25240	25250	25260	25270	25280	25290	25308	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24118)	ACCA	ATCAC	ATCCT	CTCA	CA	GAAATC	-AGG	AGTCA	CCCTCT
SARS-CoV-2 Reference Genome Shuffle No.1 (24066)		ACTT	ATC	GTGGT	CACAT	ATC	GCTATC	TATG	TTGCTTT	TTTCCAT
										Section 343
	(25309)	25309	25320	25330	25340	25350	25360	25370	25382	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24190)	CTGGC	TCGTT	CACT	CAGT	TTTC	GAGTGG	AAC	TCTCAT	GTGAC
SARS-CoV-2 Reference Genome Shuffle No.1 (24140)		CTCA	ATTAGT	ATTAC	--TAT	CGATT	--ATG	TCTGAT	ATAC	CTTAG

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

										Section 344
	(25383)	25383	25390	25400	25410	25420	25430	25440	25456	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24264)	GTTATG	--AGGACATGTAAC	TAA	TAAAGTTACA	ACACCTC	CTCTGCCAGTGT	TGGGAGTCATG	TGTTTGGCTA	
SARS-CoV-2 Reference Genome Shuffle No.1 (24210)		GAACTG	CCAGACATGTACAT	TCTGTAGTA	--ACGGA	TC	-----	TGGGACGACCC	TATTTAACTC	
										Section 345
	(25457)	25457	25470	25480	25490	25500	25510	25520	25530	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24336)	TCCCA	GTAACTCTAA	A-GCATCA	AAGGGTAA	ATAGGAGGT	GATTAAAA	CACCTTGCAC	TAAAGCAGCAGGA	CGGA
SARS-CoV-2 Reference Genome Shuffle No.1 (24269)		-CCCA	TTAATAGTAA	CCGCCTT	AAGTTTAA	CTGATGAC	GCAGAGGT	CAGTTT----	TAAATC-GCA	TTGCGGA
										Section 346
	(25531)	25531	25540	25550	25560	25570	25580	25590	25604	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24409)	ATGGAGA	TGCGTCACT	GTACCGCT	GCATGGTGGC	TGTAAGGTGGC	TTCTCAGG	TGGGTCTT	GGTAG-CT	
SARS-CoV-2 Reference Genome Shuffle No.1 (24337)		TAG----	TGCTAGAG	CGGTACAGC	-GTTAT	TTTATTTA	TAT-----	TTACCACT	TGTTTCTT	CTATTCA
										Section 347
	(25605)	25605	25610	25620	25630	25640	25650	25660	25678	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24482)	AGAGT	CTTCCCTAG	TCTAGTCTC	TGGCTCTGG	TGTTTATCA	CTACCAGC	TATT-TGG	AGTGGT	AGGT
SARS-CoV-2 Reference Genome Shuffle No.1 (24400)		AGCGAC	GAT---TT	GACTAA	CCGTGAG	TTTAT	TGTTGT	TACATCAG	CTCATTTCC	TGGTTGAGACCGAGAAAG
										Section 348
	(25679)	25679	25690	25700	25710	25720	25730	25740	25752	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24555)	GGTGG	ATAACAGC	CTCGAAAGGC	--TTAGGG	CGGCT-TCC	--AGGTTTGG	GTAAATCA	ATAAGGTG	ATCCTTAC
SARS-CoV-2 Reference Genome Shuffle No.1 (24471)		GTATT	ACTGTTG	ACGC	CAAAATC	CGTTAG	TACGTTTG	TACTAAGGTT	GAGGTTT	TCACTAATAACATACGCTA
										Section 349
	(25753)	25753	25760	25770	25780	25790	25800	25810	25826	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24624)	ATGCT	TAAATCC	TCAAAGGTCT	TACCTCA	CAGGCTTA	GGACATGAG	GTCTTGT	CCCCACTG	AGAACTTCTTGTG-
SARS-CoV-2 Reference Genome Shuffle No.1 (24545)		ATAT	TGCATAA	TCCTAACTTT	TAACTTC	CCTTCAGT	GGGCTAGAG	CTCAATT	TAT-AG	TGAGAACTCACTAAGGT
										Section 350
	(25827)	25827	25840	25850	25860	25870	25880	25890	25900	
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24697)	AGATGG	CTGACAA	GCAGCAAGG	ACCTCAG	CTACCTA	---GT	TCCC	TAGTTAA	TTC
SARS-CoV-2 Reference Genome Shuffle No.1 (24618)		AAAAG	AAGA-AA	CA	CGGTGCTA	ATCTAGT	CTATAA	AGAGG	TGTGTAG	ACCTTTC
										TGATAGATGTGTGTA

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 351							
	(25901)	25901	25910	25920	25930	25940	25950	25960	25974
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24768)	-----AGAAAT	TTC	CCCCAGCT	GAGCT	TGGCTCC	AGAGGAAGCTG	AAGGTG-----	ATCTTTGCC-TTCT
SARS-CoV-2 Reference Genome Shuffle No.1 (24691)		GGGGTAAAGAAA	C	TTC	ATTTTGA-	GTGTGTGGCT	GAAATTAGCAT	ATGGT	CGATAAAAATGTTTATGGTTAT
		Section 352							
	(25975)	25975	25980	25990	26000	26010	26020	26030	26048
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24827)	CTTGCCTCAT	TAT	TGCTATCT	CTCAGGGTCC	TTC	TTGCTCCAAAGGCG	ACAGAGGATTCT	GCAGATTCTATTGC
SARS-CoV-2 Reference Genome Shuffle No.1 (24763)		CTACA	CTTC	TATCT	GTGTCT	CAACA	GGTAGTCG	TTATAATTG	AACATACATTAATACTA
		Section 353							
	(26049)	26049	26060	26070	26080	26090	26100	26110	26122
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24901)	TCAGCAAACT	CTC	TAGAAATT	TGTGTGTC	ATTTTCTTAC	TTATCTGCTAC--	AGCTGCAAAAC	TAAAAATGATGCT
SARS-CoV-2 Reference Genome Shuffle No.1 (24837)		TGAAC	TG-CGG	TATAAC	TAA	TCA	GTC	CC--CTTAA	TTATATTTCAATAAGATAT
		Section 354							
	(26123)	26123	26130	26140	26150	26160	26170	26180	26196
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(24973)	T-TAGAA	TGTTCT	CG-TGTGT	AGACAT	GTGTGTC	GAGAATAA	TCTTCT	CACTCAAA
SARS-CoV-2 Reference Genome Shuffle No.1 (24907)		TGTGGTA	AGATAA	TGATAG	AGTTGCT	ATAGAGTCA	ACGAATAGGC	TATTA	AAAATAA
		Section 355							
	(26197)	26197	26210	26220	26230	26240	26250	26260	26270
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(25045)	TTAGTGT	CCT-CT	CTTGACTCT	CTTCTT	TCACAGC	CAAGCCT	CAAGAATGG	TTCTATGCTCA
SARS-CoV-2 Reference Genome Shuffle No.1 (24981)		GTGCTGT	TGGGCT	GGTA	ATACG	TTTTTAT	-ACAGCTGG	GGA	CACTGGCCTTTT
		Section 356							
	(26271)	26271	26280	26290	26300	26310	26320	26330	26344
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(25118)	TTCTCCC---	ATCAC	ATTCACT	CTTTGCT	GC-AGTCT	GACTCT	AGTCCCT	GAAACTC
SARS-CoV-2 Reference Genome Shuffle No.1 (25054)		TTCTCT	GGTTTGG	ATAAC	GCAAA	ATTAA	TACAAAT	AA	TCGGGTCAGATTACAGT
		Section 357							
	(26345)	26345	26350	26360	26370	26380	26390	26400	26418
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(25187)	TAATTT-ATC	CT--CA	AATTGT	TGAAAT	-TCAAT	GACTAT	GTCCGTG	CCCTTAT
SARS-CoV-2 Reference Genome Shuffle No.1 (25127)		TAATAAG	AGTCT	AGTAT	ATGT	TGAAT	TATC	GATCAC	GCCGTAAAGATT

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 358									
		(26419)	26419	26430	26440	26450	26460	26470	26480	26492	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (25256)	SARS-CoV-2 Reference Genome Shuffle No.1 (25201)	GTGCTGCGCCAC--TCCTCTTTAA-AACTCT-CACTTTAGTGT-TAGTGACATCATCTTGCCCTAAGTATCA-T									
		GGAGTGTACTGGAATCGATTGCTAAATAATTCAGCAGATACGAATGTTTCAAGACATCGGTATAGACAAATTAATTAAT									
		Section 359									
		(26493)	26493	26500	26510	26520	26530	26540	26550	26566	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (25324)	SARS-CoV-2 Reference Genome Shuffle No.1 (25275)	CTCCTTCCCTGAGCATCTTT-TCTGTCTCATGCAATGCAAGGCTCTTCCAAATTTCCCCCTCAGTGTATGGTGCTGCCAC									
		ATAGCTTAACTAGTAGTGTAACTCTGCGCAGATAACAAAGAGTGTTCCTTGAGTTTTTCTTTCACGATGTGTCCAT									
		Section 360									
		(26567)	26567	26580	26590	26600	26610	26620	26630	26640	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (25397)	SARS-CoV-2 Reference Genome Shuffle No.1 (25349)	TGCT-GAGGACCTTGCTTTTGTGCACTGTGCTCTTCCATCCATATAGTTCTCATTAGGTGACCAATGGAGGCC-T									
		GAGCAGATATGTAACACGTGGAGGAGTTCTCTTTCACCAATA-ACTTCATAGTCGGT-AGTATATCCGAGCTAT									
		Section 361									
		(26641)	26641	26650	26660	26670	26680	26690	26700	26714	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (25469)	SARS-CoV-2 Reference Genome Shuffle No.1 (25421)	CTGTCTTCTTCAACTACCACTGTGTATGACCCAAATGCTGCTCCAGCTCTCTTCTAGAGCTCAGACATCAT									
		CTAACTTTTATTCAAAGAGCCCTCAATGT-TAAGCGTTTGCCTGCTTTAGAAACCCCGGCTATCCACTATTATTAT									
		Section 362									
		(26715)	26715	26720	26730	26740	26750	26760	26770	26788	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (25540)	SARS-CoV-2 Reference Genome Shuffle No.1 (25494)	CCGGGGTTCTGGACCCACATAAATGTGTTCTTTATTTGAAGAGAAATGATGACTTTATGGAAAAAAGTTTCTGCC									
		TGCGGGTTATTTAG--ATTGGTATCGCACGGGCCTCTCTAGACCATGTAACTTACGTTAGACCTTACAGGATAAAAA									
		Section 363									
		(26789)	26789	26800	26810	26820	26830	26840	26850	26862	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (25614)	SARS-CoV-2 Reference Genome Shuffle No.1 (25566)	TGAAACTTGCCTAGGCACTTTATACTTAAATGATTAAGCCCTTCTTCCCTCTGTATTTCCCTAGTTGAAG									
		GAGAACTAAGCTATGT-CGACAAGCGCAAGAAAGTTTGTAGCAAGTAATCTGGAATGGATACCTC---TGCAAG									
		Section 364									
		(26863)	26863	26870	26880	26890	26900	26910	26920	26936	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (25688)	SARS-CoV-2 Reference Genome Shuffle No.1 (25636)	GCACATTCATCAAGGACCTAGTATCTAGCATTCTGTCTG--CTCTTCTATCTCATTTGCTAAGAGTCTG									
		TGTTGTGGTGCTAGAGATC-AG-ACCTCAACAATCAGCGGAACCTTTTGTATGCTAGGTACTAACTCGACCT									

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 365							
	(26937)	26937	26950	26960	26970	26980	26990	27000	27010
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(25760)	ATTTTAC	TTCCTAAATGTAC	ATGTTTGGCTCTTTTCTT	TTCCCTTCTAT	GCAC	TGC--	CATGGTCT	TGGTTTAG
SARS-CoV-2 Reference Genome Shuffle No.1 (25708)		AGTTCGT	TTCCTATGTGGAAT	TGCAAGGAAAGCTAA	TTAG-TTAAAT	GATAAG	GATCATGG	GCGTAG	GATGA
		Section 366							
	(27011)	27011	27020	27030	27040	27050	27060	27070	27084
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(25832)	GGCCTCAT	TGCTTTT	TGCCAGGATTAT	TGTTCTCT	CAGCCTCTAG	ACTACACAA	CCCTTT	CTCCTACCCAAC
SARS-CoV-2 Reference Genome Shuffle No.1 (25781)		TGATA	CAGTGTTT	AT---ATA	ATT--TATTC	CTTGACTCT	CTAAGA	ATTATAA	CCCATC-----C
		Section 367							
	(27085)	27085	27090	27100	27110	27120	27130	27140	27158
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(25906)	TCTACC	AGAGTGAT	TTTTAACTG--	TAAATCTG	CTCTGTTCAG	GTTACCT	TCCGCT	TAAAACCTTT-----TC
SARS-CoV-2 Reference Genome Shuffle No.1 (25839)		TCTTTA	AGATTATAT	TGCCAGCTAGC	TACCTTTG	TCTGTATCAC	GAGACC	TGATCT	TGAAATTTTTAGGTGTC
		Section 368							
	(27159)	27159	27170	27180	27190	27200	27210	27220	27232
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(25973)	AGGAT---	TCCGT	CACAT---	CAGGA	TAAAGGTCAAAC	TCCTCAGCT	AGG----	CACACTA-AGCCCATCAT
SARS-CoV-2 Reference Genome Shuffle No.1 (25913)		AGTGT	TGATACGT	TACATCATA	CATAT	TAAAGATTTTGT	TCCTTAGAG	AATACCTG	ACTTTATAGCGCATATCT
		Section 369							
	(27233)	27233	27240	27250	27260	27270	27280	27290	27306
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(26036)	AATAC	TTTGGCAT	CACACTCC	ACAGTACTAG	TTGTGA-GAGT	GTAGACAAG	TTACTTAACC	TTACTATGCCCA
SARS-CoV-2 Reference Genome Shuffle No.1 (25987)		TAAAG	TTT--CTT	TGGTGCTCC	GTCACCTAG	TTGACAT	GAGTACGA	AGTTTTCGA	TAACCGGG-TATGTATGA
		Section 370							
	(27307)	27307	27320	27330	27340	27350	27360	27370	27380
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(26109)	GTTCCT	CCATGT	GTAAAT	A-----G	AGATAAGAT	AGCAGTGT	GATAAGAT	CATGTGAGCAGAGAA
SARS-CoV-2 Reference Genome Shuffle No.1 (26058)		ACTGAG	GGTATAG	GGGATAT	TTCTTTGT	ATATGCGGA	ATTGCTGT	GTGC--AGG	TACATGCCAACCTGGCTGCA
		Section 371							
	(27381)	27381	27390	27400	27410	27420	27430	27440	27454
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(26177)	CTAAGG	CATATAAG	TACTTAG	GCAAGTAG	TAAGCAAT	CTGTTTT	TTTCTCTT	TGTTTGTTTA---TTTTT
SARS-CoV-2 Reference Genome Shuffle No.1 (26130)		TTAAAG	TGAATACC	GATATCT	GCTAGTCTC	TAAGAAA	AACCTGATC	TAGCTGAT	TGCTTTTTCAGTGGTTTTT

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		(27455)	27455	27460	27470	27480	27490	27500	27510	27528	Section 372
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26248)	SARS-CoV-2 Reference Genome Shuffle No.1 (26204)	A GACA GG GTC T TACTCTGT C ACCA AGGCT G GA GTAC AG TG AC ATGA TCT CAG CTC ACT GC AAC CTCT TT TG CCT TC	T GACA CA GTC G TT-----T GA A CT AGGCT C GA A---AG GT AC TAA ---CA ACT GAGA GCT AT CAT TGT GAA TC								
		(27529)	27529	27540	27550	27560	27570	27580	27590	27602	Section 373
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26322)	SARS-CoV-2 Reference Genome Shuffle No.1 (26267)	AGC CTC TC AAG TAGC TG GGAC TACA GGA GCA TG C CAAT GCCC AGC TAA TC -----AAT G TT T GTTT T GTTT T	AAT CT G TC TCA T CAT TG CCCG TCCA --AT CA AT CT -CC GT ATGA AG TT TG TC CCCATCA AAT G CGT TGA T CAT C								
		(27603)	27603	27610	27620	27630	27640	27650	27660	27676	Section 374
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26389)	SARS-CoV-2 Reference Genome Shuffle No.1 (26338)	G TTTTG TT TGT TTGTTTTCTTT C TTTCT T TCT TT TCTT -TCTTTCTTT CT TT CT TTCT TTC -TCTTTCTT TTCTC TC T	ATCGT TG TGT ACCCAGACAG CAGATATAAT TG TCTT G TC CGCAAGG CTAC CATGAA TTC GTGTATCT GCGGA TC C								
		(27677)	27677	27690	27700	27710	27720	27730	27740	27750	Section 375
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26461)	SARS-CoV-2 Reference Genome Shuffle No.1 (26412)	TTCTCTCTCTT TCTCTCTCTTT CT TC CCTC CCTCC CTTTT T CCT TCCC TCCC TC TC-TTC CTT CCTT CCTTC CCTC	TCA TATAAC TGAGAAAAAGAA CTGT CCTC GTAAT CAAAAT GAAT GAATAGG TCAAG TAA CAG CCCC CCGT T CCGC								
		(27751)	27751	27760	27770	27780	27790	27800	27810	27824	Section 376
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26534)	SARS-CoV-2 Reference Genome Shuffle No.1 (26486)	CCTCC CTC TC TCCC TCC TT CCT -T CCT CCT T CC C TCCTTC TTT C CT TTT ---TTTT GTA-GAT ATGGG CTTT	CCAAG CGG TG TTGG TTT TTG GGAATAG TTGAAT GT CGAAGCT TTTACG TTTAAG TAAC GAAT GAC AC GT GATT A								
		(27825)	27825	27830	27840	27850	27860	27870	27880	27898	Section 377
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26603)	SARS-CoV-2 Reference Genome Shuffle No.1 (26560)	C--ACT GTGTT GCCA AG CTG G--TCC AGA ACT CCT GAGCTC AAG TGAT C -ACC-AG CCT AGG CCT CC CAA AG	GGA AGGACAG GTAT AA ACTAC CGT TGT ATA GTG CCA GAGA GAG AGAT TATAC TACC T ACCG AGG AAC CC ---AG								
		(27899)	27899	27910	27920	27930	27940	27950	27960	27972	Section 378
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26671)	SARS-CoV-2 Reference Genome Shuffle No.1 (26631)	TGCTGGGATTATCA GGC A-TGAGCCA CTG CACC CAGCC AG CAAT CTG TTTT TGATAG -TAGCT --ATCT TT ATTA	CGGAC GTT TAC CAAT CAA TGA AGA AAAC CAAAC TCGT AGT AAT ACAT CTGT AATAGG TT GCT GA ATCT AC ATTA								

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 379									
		(27973)	27973	27980	27990	28000	28010	28020	28030	28046	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26741)		CCAT	TTTA	AAAT	CTCA	CTC	C-----TT	CTCT	TCCCTT	CCCTTC	GGCCAC
SARS-CoV-2 Reference Genome Shuffle No.1 (26705)		TACC	TTTA	TGAT	TCTC	TAA	GAATGAAA	TTTC	GTCT	ATAAAA	CAAAAAGT
		(28047)	28047	28060	28070	28080	28090	28100	28110	28120	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26807)		TCTG	AAT	AT	TG	CCTG	TGA	GTT	CA	TCCCTC	TGGG
SARS-CoV-2 Reference Genome Shuffle No.1 (26779)		CTACT	AAT	CG	TG	TTCA	TAG	GTT	GGT	TTAGA	TCTG
		(28121)	28121	28130	28140	28150	28160	28170	28180	28194	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26878)		-----	TCC	CCT	CTT	CT	TATC	TAG	CT	AAC	AGGT
SARS-CoV-2 Reference Genome Shuffle No.1 (26853)		ATAGG	TAA	GGAG	CCCT	TATA	CTT	TGGA	AA	AGAC	ACGGA
		(28195)	28195	28200	28210	28220	28230	28240	28250	28268	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (26942)		TC	CAG	AA	ACT	C	TT	--	CCTT	G--	AT
SARS-CoV-2 Reference Genome Shuffle No.1 (26927)		TC	CAG	CG	ACT	ATT	TA	CCTT	ATAT	AT	TAT
		(28269)	28269	28280	28290	28300	28310	28320	28330	28342	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27009)		CAT	TAA	TAC	AT	TTAT	CC	CA	AC	ACT	CAAT
SARS-CoV-2 Reference Genome Shuffle No.1 (27001)		CGT	GTT	TT	CG	AT	GA	CC	GAT	AA	ACT
		(28343)	28343	28350	28360	28370	28380	28390	28400	28416	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27082)		TG	T	GAT	T	CCTTAA	AGGC	A	GAAT	-----	ACAAC
SARS-CoV-2 Reference Genome Shuffle No.1 (27074)		TG	AG	TGAT	AGAGGC	AGGC	G	GAAT	TCTGTGTCGG	ACAAC	GTTA
		(28417)	28417	28430	28440	28450	28460	28470	28480	28490	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27145)		TGA	ACC	AGGG	ATT	CAGTA	AAT	G--	ACT	GCTG	--
SARS-CoV-2 Reference Genome Shuffle No.1 (27144)		ATT	ACC	TTTC	ATT	AGTA	CTC	G	GT	AAT	TAA

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 386									
		(28491)	28491	28500	28510	28520	28530	28540	28550	28564	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27214)		CACACC	TTT	GCTTC	AAAA	AGCACC	TTACTT	CAAAAT	TTATT	-ATCTC	ATTTCCTCT
SARS-CoV-2 Reference Genome Shuffle No.1 (27216)		CACACC	ACAG	TTGTAT	AA--	CAAA	TACCAAC	GAGG	TTTGG	ATTGAG	TCATCATG
		Section 387									
		(28565)	28565	28570	28580	28590	28600	28610	28620	28638	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27287)		TGTAA	ATT	TGTGA	AATT	AGGCAC	TATTAG	TTACTG	TCA	GC	GATGAA
SARS-CoV-2 Reference Genome Shuffle No.1 (27287)		GGCCA	ATCT	TAA	GATTAA	ATGCA	TTGTACT	GTTT	CGTAT	TTTGT	GATGAA
		Section 388									
		(28639)	28639	28650	28660	28670	28680	28690	28700	28712	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27356)		TATTAC	AA	TT-----	CATT	TATAC	TC---	TAAAG	CGTAT	-ATTT	ACCC
SARS-CoV-2 Reference Genome Shuffle No.1 (27360)		TGTT	CGGG	TTTGT	TGGC	CGAT	CC	TAC	TC	CGT	TAAAG
		Section 389									
		(28713)	28713	28720	28730	28740	28750	28760	28770	28786	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27416)		AAGAT	TAA	TAG	GATGA	TTT	TAGT	GAT	GAG	TTTT	TAA
SARS-CoV-2 Reference Genome Shuffle No.1 (27434)		CAGTT	--	TGC	GATGA	CTT	GT	GT	CAT	CA	TT-----
		Section 390									
		(28787)	28787	28800	28810	28820	28830	28840	28850	28860	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27490)		AGGA	AAG	ATTA	TTTT	TTTCT	GCCAG	GCACA	GTGGC	GCA	TGCCT
SARS-CoV-2 Reference Genome Shuffle No.1 (27497)		AAA	AAG	GACG	ACTTT	GAG	CA	CTTGA	GCTGT	GTGGC	ATT
		Section 391									
		(28861)	28861	28870	28880	28890	28900	28910	28920	28934	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27564)		GGA	GGAT	TC--	ACTT	GAGG	CCAG	-TAG	TTCA	AGG	CTAC
SARS-CoV-2 Reference Genome Shuffle No.1 (27567)		AGA	TTAC	CGTGA	ACTT	AAGG	ATTG	TAAAC	CCGA	G	TGAC
		Section 392									
		(28935)	28935	28940	28950	28960	28970	28980	28990	29008	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27633)		GGC	CA	CAGAGGA	AGA	CTCAG	TTTCT	AAAAA	AAAAA	TTAAAT	ACAG
SARS-CoV-2 Reference Genome Shuffle No.1 (27640)		CAC	TAT	TCCAAT	AGA	AAT	AATCT	TTTGG	CGATT	ATTTC	AGTA

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 393									
		(29009)	29009	29020	29030	29040	29050	29060	29070	29082	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27707)	SARS-CoV-2 Reference Genome Shuffle No.1 (27714)	A TGG - GAGA GT TGC T TGGAA CTC CTTA AA TAA -- CATCA AGTGGGAA TCAG -- CCTCTA - CTGGTAGGGGTAA									
		C TGGT GAGA TC TGCAT T --- CTCATTA TT TGA GT CAATAGGTAC GGT TACAG GA CATCT CG CTGATA CTTTAA G									
		Section 394									
		(29083)	29083	29090	29100	29110	29120	29130	29140	29156	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27775)	SARS-CoV-2 Reference Genome Shuffle No.1 (27785)	G CTGATGGCCTACTATATGAGGGGATTTGACTTGGAAAGCA CCCAGAA GC TTTTCATAA TTTAAACTAGTAGCTG									
		GATTAA GACTTA TAT TCTCAGGAGAT AAGTTT T -AGAGGTA ---AGTA --TTATCGTTT TTTAGGTG GTAGAT -									
		Section 395									
		(29157)	29157	29170	29180	29190	29200	29210	29220	29230	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27849)	SARS-CoV-2 Reference Genome Shuffle No.1 (27852)	AAATACTGAA ----CTAATATCACTAATAAAAGGCAGC -CTGACAACAAAAGAACTAAAATCTTGATACATGA									
		ATATACTATATATTTT TGTTCGTCTA TTTCA TAGTCAATGCTTCTTTTAA TCTCAATTAATTCAA GAGTTTCGA									
		Section 396									
		(29231)	29231	29240	29250	29260	29270	29280	29290	29304	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27918)	SARS-CoV-2 Reference Genome Shuffle No.1 (27926)	TACAACA TGC TAA G TGAAG -GAA --GCCAGACAAAAA -ACC CATATGCTTCATGTGTATGAAA GTCTCAGAA									
		-ACATACGT TAAATGTAGCGAA TTG GTAGTTAAA GTTGACTCTAAGT CGAAC TCAATACTAAAAGACGCAGTG									
		Section 397									
		(29305)	29305	29310	29320	29330	29340	29350	29360	29378	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (27987)	SARS-CoV-2 Reference Genome Shuffle No.1 (27999)	T AAGCA AAC C ATAGTCAGT GAGTGGATCAGGGGCTGGGGAACAGGGA GTGATTCTAA T GAGTATGGG TTTCT									
		G AATTTATGCGATAT TGA TTTCTCTATTTGGTTGGTAGGAAA TTTCTG GTGAAC T ----TCAGTATA --TTGCT									
		Section 398									
		(29379)	29379	29390	29400	29410	29420	29430	29440	29452	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (28061)	SARS-CoV-2 Reference Genome Shuffle No.1 (28067)	TTGGG GCTGATAAAAATGTTCTGA AAT TAAATAGTGTGTATGGGTGCAT --AAC CCT --TGAA TATACTAAA									
		ACGCA GCTG GAGAGGAATAGATGA TATGC --TTGT C GGA AAAAGTCTAT TGA A A A C T GAGG TGTTCGACAAA G									
		Section 399									
		(29453)	29453	29460	29470	29480	29490	29500	29510	29526	
Homo sapiens chromosome 13 NC_000013.11: 34882059... (28130)	SARS-CoV-2 Reference Genome Shuffle No.1 (28139)	ATCTACTGAAT TGTACATTTTA -AA -----AGTGT TATTTTTATGATATGTTAAATTATAT TGCATAA									
		TCCTCTTCAGGTTTACATATTGC ACTACAACATCCATTGCTGTTCATTGTGAT TGGGC ACGCCGCTGT TGA G TAG									

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 400							
		(29527)	29527	29540	29550	29560	29570	29580	29590 29600
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28193)	A A A T A T G T C A G A A A A A A G T G A T A T T - - C A G G A A A T A C T G A C A A T A G A A A A A A A C - A G C A T G A G T - - - T A T T T							
SARS-CoV-2 Reference Genome Shuffle No.1	(28213)	A C T C T G T T C T C C T C A T G G T A G T A A C G T G G G C A A T C T C A A C A C G A A A G C A A A T C T A T T G T G A T T C C T A A G T							
		Section 401							
		(29601)	29601	29610	29620	29630	29640	29650	29660 29674
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28261)	A T T A T A C T - - A T T T G A A G G T C C A C A A A T A A A A T T A T A T T T T C T A A G T A T G A A G G - A T T A T A T A G C A A G T C A T T T							
SARS-CoV-2 Reference Genome Shuffle No.1	(28287)	T C T A G A G T G G G T A T C A T A G T C T T C G C A G A A T T C C A - A T C T A C T A A T G A T T A G G A C A A G A A A T A G A T A T C A T G T							
		Section 402							
		(29675)	29675	29680	29690	29700	29710	29720	29730 29748
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28332)	T A A T - A G C T T A C A T A - - - A A G C A G T T T C A T A T T T C T T T T T C C T C T A G T T T C A C A G A A C T C T T T T G A T G T A T T G T G							
SARS-CoV-2 Reference Genome Shuffle No.1	(28360)	A C G C G A G C T T - C A T A C T G T A G G A G G T A T C T C T T C A A A A T C A A T A G C G T C G C C T A A C T T T A C C G G A G - - - - G T C							
		Section 403							
		(29749)	29749	29760	29770	29780	29790	29800	29810 29822
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28402)	T C A T T A A T T A A T A G G C T C T A A A A A C T A C C G T T G T G T T A G T T G G T G T T T T G T T T C T G T T T T A A C T T T C A A T T T T							
SARS-CoV-2 Reference Genome Shuffle No.1	(28429)	A C G C T A T A A C A T G T T T T C T A A A A A T T A C - - T T G C C A G G G C T C G T - - - T G G C T C T G T G C - - - - - C A T T T G T							
		Section 404							
		(29823)	29823	29830	29840	29850	29860	29870	29880 29896
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28476)	T T T T T T T T T T T T G A G A T G G A G T C T C A C T C T G T C A C C C A G G C T G G A G T G C A G T G G C T G G A G T G C A A C C T C C A C C T							
SARS-CoV-2 Reference Genome Shuffle No.1	(28490)	G A A A T C C A A A T A G A G T A C C A G C C A A A T T T A T T C A C - - A A C A T T G T T T G T T T T C G T A G G A T A A C G C G G T T C A T C -							
		Section 405							
		(29897)	29897	29910	29920	29930	29940	29950	29960 29970
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28550)	C C C A G G T T C A A G T G A T T C T C C T G C C T G A G C T T A A C A A G T A A C T G G G A T T A C A G G C A C C T G C C A C C A A A C C G G C							
SARS-CoV-2 Reference Genome Shuffle No.1	(28561)	- - - A T G C T C A A G A G T T C T T T G A G G T T T A A T T - - A G A G G A T G C G A T A T T A A - - - A C C A T T C A G T A A A C C A G A							
		Section 406							
		(29971)	29971	29980	29990	30000	30010	30020	30030 30044
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28624)	T A A T T T T G T A T T T T A G T A G A G A C G A G T T T C A C T A T G T T A G C C A G G T T G C T C T C A A A C T C C T G A C C T G A A G T G							
SARS-CoV-2 Reference Genome Shuffle No.1	(28627)	T C G C G T T A C T - - T T T A G - A T A - A C T G A A T T T C A T G C T - - T A C G C A G T G T T G G A T C A T T T C G T T C G C C A T T A A T A							

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

										Section 407																																																								
	(30045)	30045	30050	30060	30070	30080	30090	30100	30118																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28698)	ATCC	ACCCGCC	TCA	GCCTC	CAAGG	TGC	CAGG	ATTACAGG	TGTGAGCC	ACC	ACGCC	TG	GCCCT	AAA	CT	CA	TTT																																																
SARS-CoV-2 Reference Genome Shuffle No.1 (28695)		ACTT	AGTG	GTA	TCAT	CACG	CACT	GAT	GT	CATG	---	C	GCT	TT	TGA	AAA	AGT	AA---	TG	TATTA	AAA	G	T	AA	GGG																																									
										Section 408																																																								
	(30119)	30119	30130	30140	30150	30160	30170	30180	30192																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28772)	TTT	AAA	ATA	AAT	TT	AT	TT	TG	TTTT	TATAAT	GGT	C	TCA	ATT	TAG	CT	CATT	CAAT	C	AAA	ACA	-	ATA	A	CCT	ATA	CT																																						
SARS-CoV-2 Reference Genome Shuffle No.1 (28762)		AAG	AG	AAT	AC	AG	CT	TT	GA	T	GT	AG	AA	CGT	GT	T	C	CG	AG	CCG	C	GGG	ACA	G	ATA	AA	GTA	ATAT	T																																					
										Section 409																																																								
	(30193)	30193	30200	30210	30220	30230	30240	30250	30266																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28845)	ACT	TT	CG	GG	TT	CA	ATT	CA	AA	TG	TT	CC	T	-----	TTT	GA	CT	AT	T	AA	TC	C	AG	TT	TT	A	AG	T	GA	AC	AT	TT	T	AA																															
SARS-CoV-2 Reference Genome Shuffle No.1 (28836)		A	T	A	T	G	A	T	---	---	---	---	---	---	---	TTT	GG	CT	CG	T	GA	T	GT	C	CT	AA	TTT	A	CG	T	CT	AA	A	T	AG	AC	AA																													
										Section 410																																																								
	(30267)	30267	30280	30290	30300	30310	30320	30330	30340																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28910)	C	T	A	T	C	CA	AGT	TGA	TG	CA	CA	GAT	ATG	CT	--	G	T	AA	T	AA	T	AA	CAT	T	TT	AT	GT	T	TC	C	TTTT	AT	TTA	T	C	A	T	A	-	GTG	A																								
SARS-CoV-2 Reference Genome Shuffle No.1 (28908)		-	T	A	G	AA	AA	AG	TGA	CA	C	TG	CA	AA	T	ATG	GT	C	AG	CA	A	C	TA	AT	TG	C	AC	T	CG	GG	G	AC	T	AA	C	ACA	AC	GC	G	C	T	A	AG	AGT	G																					
										Section 411																																																								
	(30341)	30341	30350	30360	30370	30380	30390	30400	30414																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(28981)	T	A	T	A	A	T	T	A	T	T	A	C	T	G	T	C	A	C	A	T	A	A	AT	GT	CA	G	TT	GA	AC	AG	AG	G	C	TT	AA	T	G	A	AA	C	A	T	C	TTT	AG	AT	C	A	G	A															
SARS-CoV-2 Reference Genome Shuffle No.1 (28981)		T	A	G	C	-	T	A	T	C	A	T	A	G	C	A	T	T	T	C	T	-	G	GGG	A	C	AT	GT	TT	G	TT	A	CC	AAA	AG	G	G	CA	AA	A	T	A	C	AC	G	A	A	T	C	ACC	AA	A	T	TTTT	G											
										Section 412																																																								
	(30415)	30415	30420	30430	30440	30450	30460	30470	30488																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(29055)	AAAA	AG	A	T	A	G	T	G	A	T	G	T	T	A	G	A	A	T	TTT	C	T	C	GA	AG	A	T	T	A	T	A	CA	AG	GT	TA	GA	AG	T	C	ATT	GA	AC	AAA	T	G	TT																				
SARS-CoV-2 Reference Genome Shuffle No.1 (29053)		C	C	G	G	A	C	A	A	T	A	T	A	T	G	T	T	A	T	G	T	T	A	G	A	-	A	G	A	A	G	A	-	G	T	T	G	C	G	A	G	T	C	C	C	G	T	A	C	G	A	A	T	C	ATT	TTT	T	AT	T	C	T	-	TT			
										Section 413																																																								
	(30489)	30489	30500	30510	30520	30530	30540	30550	30562																																																									
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(29129)	T	A	T	T	G	A	G	G	T	C	T	A	C	T	A	T	G	T	A	-	A	A	C	T	A	T	GG	C	T	C	T	C	G	G	C	T	T	A	---	T	A	T	---	T	T	C	C	A	A	G	T	G	T	---	---	A	C	T	T	G					
SARS-CoV-2 Reference Genome Shuffle No.1 (29124)		T	A	T	A	G	A	T	GGT	AC	G	AA	A	G	A	T	A	C	A	A	C	A	A	T	AA	A	T	A	C	A	G	A	T	A	G	T	A	C	TTA	G	C	G	T	A	T	A	G	A	T	T	C	C	A	G	T	G	T	A	G	A	A	T	C	T	T	G

Homo sapiens chromosome 13 NC_000013.11; 34882059-34911962 vs. SARS-CoV-2 Shuffle No.1

		Section 414									
	(30563)	30563	30570	30580	30590	30600	30610	30620			
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(29191)	AAACCA	ACTCT	TGAGCA	CAACT	GGAGAGAT	TT----	AAATGT	GCCAC	ACGTCAGCA	ACTAATTA
SARS-CoV-2 Reference Genome Shuffle No.1 (29198)		AGCCGTGA	AGACTA	ATAATC	GTCTAG	TAGGACT	TCGGGC	ACCTAT	CCA-	ATACGTC	CGGA--AATCAGATT
		Section 415									
	(30637)	30637	30650	30660	30670	30680	30690	30700	30710		
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(29261)	AAAT-	CCAGAAA	ATC-AT	GGCTCAT	AGTGT	-----	CTGTGAA	AGTGT	C--CAGTC	AGCACCATA--TTTA
SARS-CoV-2 Reference Genome Shuffle No.1 (29269)		TTATA	CCTAG	TGGATT	TAAGGT	TAACT	TGTTC	AGATCC	GTAA	CAACCA	CTGCACCTC-GCTCACACGGTTGGA
		Section 416									
	(30711)	30711	30720	30730	30740	30750	30760	30770	30784		
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(29321)	GTTGTTT	TACACT	TT--TT	ACACT	GAGG-	CCTTGT	---	TGAAGA	AAGAA	GAAATAGTCT----
SARS-CoV-2 Reference Genome Shuffle No.1 (29342)		ATTGTTT	TACAGCT	GTTT	GAAC	CGGACC	TGTATC	TGAAG	CTCGT	GAA	GATCTCAAAATCTTCCTTGACAA
		Section 417									
	(30785)	30785	30790	30800	30810	30820	30830	30840	30858		
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(29382)	AT-	CCTCTTT	TATAT	ACTCAG	ACATA	AGGGTT	TATTT	TATGTT	ATAGTA	AACACACAT
SARS-CoV-2 Reference Genome Shuffle No.1 (29416)		AA	CCTCT	GATG	CGGACT	-AGAT	AAAGGG	AGCAT	TATCT	TATTAA	---AACCA
		Section 418									
	(30859)	30859	30870	30880	30890	30900	30910	30920	30932		
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(29455)	ATT	TCT--	AAATTT	GATGT	CTTGT	TTTTT	TATAA	TACCCAA	ATAAAAC	AGCTCCTCCTCTTTACACT-CTCTG
SARS-CoV-2 Reference Genome Shuffle No.1 (29485)		TGAT	TACT	GGAA	TAGAC	GAGAT	TTTAG	TTTTT	CCGGT	TAGGTGC	AGTTGCTAG--CTATTTGTTACA
		Section 419									
	(30933)	30933	30940	30950	30960	30970	30980	30990	31006		
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(29526)	GG-	ATACCAG	CA	CCCTCC	CTTCTCC	TCCAT	CA	GTA	TTTTTCT	TGCACCTTTCAGAGGTGCACATTTTCTCAGATG
SARS-CoV-2 Reference Genome Shuffle No.1 (29557)		GCT	ATAA	ATTG	CCCTT	ACTTT	ATCGTCC	----	GGA	CACCAG	TTGACATGAGAGTTGCGTAACA
		Section 420									
	(31007)	31007	31020	31030	31040	31050	31060	31070	31080		
Homo sapiens chromosome 13 NC_000013.11: 34882059...	(29599)	TTG	CAGCT	GCTT	TCCCACT	GTGG	TTTGA	CCATG	AACCAT	TATTT	GTGGCTTCCATGTTAGTTGTTATCCAGTTA
SARS-CoV-2 Reference Genome Shuffle No.1 (29627)		TTAG	GTAAG	CA	TA-----	GTCC	TTTGA	TTA	ATA	TACGAT	TTTTA-----ATGAAGAGTATTTATACATTT

										Section 421