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		Section 1									
		(1)	1	10	20	30	40	50	60	74	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	C	T	G	C	C	T	C	T	G
	(1)	ATTAAGGTTTA	T	A	C	C	T	C	C	A	G
	(1)	ATTAAGGTTTA	T	A	C	C	T	C	C	A	G
		Section 2									
		(75)	75	80	90	100	110	120	130	148	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(59)	C	G	T	T	A	C	T	G	T	T
	(59)	C	G	T	T	A	C	T	G	T	T
	(75)	C	G	T	T	A	C	T	G	T	T
		Section 3									
		(149)	149	160	170	180	190	200	210	222	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(118)	C	T	G	A	G	A	C	G	A	C
	(118)	C	T	G	A	G	A	C	G	A	C
	(149)	C	T	G	A	G	A	C	G	A	C
		Section 4									
		(223)	223	230	240	250	260	270	280	296	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(190)	C	A	C	T	T	G	T	C	A	C
	(190)	C	A	C	T	T	G	T	C	A	C
	(222)	C	A	C	T	T	G	T	C	A	C
		Section 5									
		(297)	297	310	320	330	340	350	360	370	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(264)	A	A	T	T	C	T	C	T	G	C
	(264)	A	A	T	T	C	T	C	T	G	C
	(294)	A	A	T	T	C	T	C	T	G	C
		Section 6									
		(371)	371	380	390	400	410	420	430	444	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(329)	T	T	T	T	G	T	A	T	-----	T
	(329)	T	T	T	T	G	T	A	T	-----	T
	(366)	T	T	T	T	G	T	A	T	-----	T
		Section 7									
		(445)	445	450	460	470	480	490	500	518	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(392)	A	G	G	T	G	A	T	C	C	A
	(392)	A	G	G	T	G	A	T	C	C	A
	(440)	A	G	G	T	G	A	T	C	C	A

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		Section 8									
		(519)	519	530	540	550	560	570	580	592	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(459)	AATGTTGTCTGTTTTCAGCTA-----CTTCCAGGCCTGGTGTGAGGTGTAA----GAGACACGGGG-GTGCT									
	(513)	-ATGTTATGTGTTGAGCTGGTAGCAGAACTCGAAGGCATTTCAGTACGGTCGTAGTGGTGAGACACTTGGTGTCTCT									
		Section 9									
		(593)	593	600	610	620	630	640	650	666	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(522)	---CC-----GGGCCTAGCATCAA-GCCTTTCAGGATGG-----CTTGAGGAGAAAGACACTGGGGGGCCGTG									
	(586)	TGTCCCTCATGTGGGCGAATACAGTGGCTTACCGCAAGGTTCTTCTTCGTAGAGAACGGTAATAAAGGAGCTG									
		Section 10									
		(667)	667	680	690	700	710	720	730	740	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(580)	TTTGCCAATGGCGGGAAGGCCAGGAAGTGGCAGGCCGGGGCACAGGAGCAGCGTG----TGGCCT-----AGGC									
	(660)	GTGGCCAATAGTTACGGC-GCCGATCTAAAGTCAATTTGACTTAGGCAGCAGCTTGACATCCCTTATGAAGA									
		Section 11									
		(741)	741	750	760	770	780	790	800	814	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(645)	CTCCCTTGCCCGCTGGAAGAGCTGCGGGCAGCAAGG-----CCAG-GAAGATGGCAGCAGAAAGAAAGCCCCGG									
	(733)	TTTTCAAGAAAACTGGAACA-CTAAACATAGCAGTGGTGTTACCCGTGAACATCATCGGTGAGCTTAAAGGAGGG									
		Section 12									
		(815)	815	820	830	840	850	860	870	888	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(712)	GCC-CACAGGCTTCCG---AGCATGGCCAGTGGCCCCG--GGCATGCACCATGAGGCCAGCAGCAGGCAGGCAGG									
	(806)	GCATACACTCCTATGTGATAAACAACCTTCTGTGGCCCTGATGGCTACCTCTTGAGTGCATTAAAGACCTTCT									
		Section 13									
		(889)	889	900	910	920	930	940	950	962	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(780)	AGAGAGCGCTGG----GCCCAGGCA----GCC--AGTGCTGGACTTGGTGCTGGGCTCTGTGGGTGCATGAG									
	(880)	AGCAGCGTCTGGTAAAGCTTCATGCACTTTGTCCGACAACTGGACTTTATTGACACTAAGAGGGGTGTAT-AC									
		Section 14									
		(963)	963	970	980	990	1000	1010	1020	1036	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(844)	TCCCTGTGGGGGCAGGT-CAGCCGAGCCCATGTCTTCTGGAAGCCGC-----GAGCC-----TGGTGAGTGC									
	(953)	TGCTGCGGTGAACATGAGCATGAATAATTGCTTGGTACACGGAACTGTTCTGAAAAAGAGCTATGAATTGCAACAC									

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Section	Genomic Region	Reference Genome	Sequence
Section 15	1037-1110	Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1037) TGTGG---TCTAA GTG CAGCCCCACTCTGTG--CTTCCA--GCTCAGGCCTCAAGCC TGT TTTGGCAGGGGTA (905) TTTTGAAATTAATAAT TGGCAAGAATAATTGACACCTTCCAATG GGAATGTCCA AATTTTGTATTTCCCTTAAATTT
Section 16	1111-1184	Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1111) GAGCGTAATTCATGGCTGGGTGGC--AGGGCAAAGGCTCAAGAGGGTGGTTGGGGGTGACAGGGAGAGGCCCGCC (977) C--CAATAAT-CAAGACTATTCAGCAAGGGTGA AAAAGAAAAGCTTGAT--GGCTTTATGGGTAGATTGCGAT (1101)
Section 17	1185-1258	Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1185) CTGGCCATCTAGTCC TGGGCCACATCC TGA CACCGCCTCTTGC TGTGTGTCCTCTCCTTGGGGAAGTCTCTAAT (1044) CTGTCTATCCAGT--TGCCTCACAAATGAATGCAACCAAATGTGCTTTTCACCTC--TCATGAAGTGT----- (1170)
Section 18	1259-1332	Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1259) GGTTCATGCCTTGCAGTGCACCA GCA CAGCCAGCC-ACTCAGCAAGC GCCATAAACGCGCTCT-TGCCA--GGGAA (1118) GATTCATGTGTGTGA AAACCTT CATGGCAGACGGGGGATTTTGT TAAAGCCACTTGCGAATT TGTGGCACTGAGAA (1235)
Section 19	1333-1406	Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1333) GGGGAGGC AAAGTGGCAC TGGCA GGACTGTCCCCCTCTCTGC CCC TAAACAGGATGCTTGTCCCCGTCTGTGATTT (1188) TTTGACTAAAGAA GG---TGCCA CTACT-TGTGGTTACTTA CCCCAA-----ATGCTGT T----GT TAAATTT (1309)
Section 20	1407-1480	Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1407) TCTCTCTTCAGGTGCTCTTC CATCCTGTTT ACCC-AGATTCTCTCTTCAGAAAGGGAGGTGTGGGAGGTGGGT (1262) ATTGTCTCAGCATGTCA CAATTCAGAGAGTAGG ACCTGAGCATAGTCTTGCCGAATACC-ATAATGAAATCTGCTT (1371)
Section 21	1481-1554	Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1481) GGGCCCAAGCTGGGGCTGGGCCC GGAGGC CCCCTCCCGCAGGGCA CTGGGGGGCTCCTGCA GAGAGTCC (1335) GAAAA CCAATTCTTCGTAA GGGT--GGTCGCACTATTGCC TTTGGAGGCTGTGTGTTCTCTTATGTTTGTTGCCA (1444)

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		Section 22									
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1555)	1555	1560	1570	1580	1590	1600	1610	1628		
	(1408)	TGGG	CTTTAT	TGGCCCT	TGGCTGCAGAC	TCCTTCCT	CTCCCGCAGGG	T-----	CTAGAGG	CC	TGGTGCAGTCG
	(1516)	TAA	GAGTGT	TGCCAT	TGGGTTCACACG	TGCTAGC	CTAA	CATAGG	TGTAA	CATAGG	TGTTGTGTGAGAA
		Section 23									
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1629)	1629	1640	1650	1660	1670	1680	1690	1702		
	(1476)	GCGG	TGGCGG	GGTGTCCA	GCGAGCCATC	CTCA	CCCAAG	CTCCGGCCG	GCTGAGC	TCAAGGCG	C----TTCC
	(1590)	G---	TTCGAA	GGTCTTAAT	GACAACTTC	TGAAATA	CTCCAAAAA	GAGAAAG	TCAACAT	CAATA	TTGTGTG
		Section 24									
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1703)	1703	1710	1720	1730	1740	1750	1760	1776		
	(1545)	CGGAC	AGTGCAGC	TCAAGGTG	CGGCTGGGAC	TGCCAG	GGCGCGCAAGG	TACG	CCCAAG	CC	CAGAC
	(1659)	GTGAC	TTTAAACT	TAAATGAAG	GAGATCGCCAT	TATTTTGG	CATCTTTTTC	TGCTT	CCA	CAAGTG	CTTTTG
		Section 25									
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1777)	1777	1790	1800	1810	1820	1830	1840	1850		
	(1618)	TACGCTCT	GGCCCCG	GATGGCC	AGCAGGGGG	AGCCTG	CTGCTG	TGACG	CCCA	GCCCC	TTGG
	(1733)	ACTGTG	AAAGGTTTG	GATATATA	AGCAATTC	AAA--	CAAAT	TGTG	AT	CC	TGTG
		Section 26									
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1851)	1851	1860	1870	1880	1890	1900	1910	1924		
	(1692)	GGA	GC--CTA	GGCAGGG	CGGAGGTCC	AAAAATG	ACC--	CTGGAC	CACC	GGCCT	TAGAA
	(1805)	GGA	AAAGCTA	AAAAAGG	TGCCTGG	AATATTGG	TGA	CAGAAA	TCAATA	CTGAG	TCTTT
		Section 27									
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1925)	1925	1930	1940	1950	1960	1970	1980	1998		
	(1760)	AG	CCGGTG	TGCAGCA	TGGCTGG	ATGCC	TC	CCAGGGGC	CCAGC	AACCT	CGTATGC
	(1879)	AG	AGGCTG	CTCGTGT	TGTACGAT	CAATTT	TC	CCGCACT	CTTGA	AAC	TGCTCA
		Section 28									
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(1999)	1999	2010	2020	2030	2040	2050	2060	2072		
	(1834)	CT	CAGTCA	GCCCT	CTGACAA	CAACT	CTGAAT	CCATCAG	CAAAG	ATGAAC	CTGGC
	(1950)	TA	CAGAA	GCCGCT	ATAA	CAATA	CTAGAT	GGAATTT	CA	CAGTATTCA	CTGAG

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										Section 29																										
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2073)	2073	2080	2090	2100	2110	2120	2130	2146																											
	(1904)	GC	CAC	TG	CAG	GTCC	GGC	CG	CAAG	ACC	AG	CAT	GTTG	GGT	TC	ACA	GCCT	GTT	AGGG	AG	ACAT	TG	AAA	T	G	CAT	GC	TT								
	(2021)	TT	CAC	AT	CT	GA	TTT	GGC	TAC	TAA	CA	--	AT	CT	AG	GTTG	--	TA	ATG	GCCT	AC	ATT	TAC	AG	GT	GG	TG	TTG	T	CA	GTT	GA				
										Section 30																										
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2147)	2147	2160	2170	2180	2190	2200	2210	2220																											
	(1978)	TC	TC	AC	GG	TG	CAG	TT	G	AGG	AT	CA	GAA	T	AGG	T	AC	AC	GAG	GAC	AG	T	AG	CAT	TTTT	TTTT	GTC	AAG	TTTT	TTG	TT	AT				
	(2091)	CT	TC	G	AG	TG	--	G	CT	A	CT	A	CA	TCT	TT	GG	CAC	TG	TTT	TAT	G	AAA	A	AC	TC	AA	ACC	GTC	C	-----	TTG	ATT	GG			
										Section 31																										
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2221)	2221	2230	2240	2250	2260	2270	2280	2294																											
	(2052)	T	TT	TG	AGA	C	AG	AGT	CT	GG	CT	CA	AT	TG	CCC	AG	GC	T	GA	AGC	AG	AG	TG	AT	CT	CAG	C	T	ACT	GCA	AC	CTC	TG	CCT		
	(2156)	C	TT	GA	AGA	GA	--	AGT	T	T	AA	GGA	AGG	TG	TAG	AG	TT	T	CT	TAG	AG	A	C	GG	TG	GG	AA	ATT	G	T	TA	AA	TTT	AT	CTC	AA
										Section 32																										
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2295)	2295	2300	2310	2320	2330	2340	2350	2368																											
	(2126)	CCC	GG	GT	T	CAA	G	TG	ATT	CT	C	CG	CCT	CA	GC	TT	---	CCT	G	AGT	AG	CT	GGG	AC	TACA	--	AGT	GC	ACG	C	CAC	CA	CGC			
	(2229)	---	GT	G	CT	T	TG	T	GAA	ATT	G	TC	GGT	GGA	CA	AA	TT	G	TCA	CCT	G	T	CA	AA	G	GAA	AT	TA	AGG	AG	AG	TG	TT	CAGA	CA	TTT
										Section 33																										
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2369)	2369	2380	2390	2400	2410	2420	2430	2442																											
	(2195)	CT	--	G	GCT	AA	T	TTT	T	GT	AT	TTTT	TTAG	--	TAG	AGA	--	CG	GGT	TT	T	CA	CCA	TATT	G	CCCA	AG	CT	GGT	CT	CG	AA	CT	CCT		
	(2300)	T	T	TAA	GCT	TG	T	AAA	T	AA	AT	TTTT	T	G	CT	T	T	G	TG	CT	G	AC	T	CAT	CAT	TATT	G	TG	AG	CT	AAA	CT	TA	AA	GC	CTT
										Section 34																										
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2443)	2443	2450	2460	2470	2480	2490	2500	2516																											
	(2264)	GAA	CT	CA	AG	TGA	TC	CT	CCC	AC	CT	CG	ACT	TC	CC	AA	AG	T	G	CT	TG	GA	TT	AC	AG	GT	GTG	---	AG	CCA	CC	G	CGCC	A	--	
	(2374)	GAA	T	T	AG	GTGA	AA	C	ATT	TGT	CA	CG	CAC	TC	--	AA	AG	G	GAT	T	T	GT	AC	AGA	AA	GTG	T	TAA	AT	CCA	G	A	GA	GA	AA	C
										Section 35																										
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2517)	2517	2530	2540	2550	2560	2570	2580	2590																											
	(2332)	-	GGCC	AA	GT	TTT	TTTT	TTT	T	T	CT	TATT	TGG	AAA	AG	TG	AAAT	ATG	CTT	ATT	AC	AG	---	AA	CT	C	AG	AAA	AT	AT	AA	AG				
	(2446)	T	GGCC	T	ACT	CA	T	GCC	T	C	T	AAA	AG	CCCC	AAA	AG	--	AAAT	TAT	CTT	CT	TTA	G	AG	GG	AG	AA	CA	CT	TCCC	AC	AG	AA	--	G	

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		Section 36									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2591)	2591	2600	2610	2620	2630	2640	2650	2664		
	(2402)	TAGAA	AAATACC	AAATTTCTTT	TCATAAT	TCTC-TCTAC	--CCAAAG	GATCGGTC	AGTCCCTCTC	CAGACC	AG
	(2517)	TGTTAA	CAGAGG	AAGTGTCTTT	GAAAACTGG	TGATTAC	AACTTAG	AACAACCT	ACTAGTGAAG	CTGTTGA	AA
		Section 37									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2665)	2665	2670	2680	2690	2700	2710	2720	2738		
	(2473)	AAGCAG	TTAGTTCTG	ACACCA	ACAAAGTGG	TGATAAG	--AGGTTGA	TAGCCTAG	CAAGGGGA	AGAA	GCCACCA
	(2591)	GCTGCA	TTGTTGGT	ACACCA	GTTTGTAT	TACGGG	CCTATGTTG	CTCGAA	-ATCAA	AGACAC	AGAAAGTACT
		Section 38									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2739)	2739	2750	2760	2770	2780	2790	2800	2812		
	(2544)	CCAAA	CCAAA	CACAAA	AAATGACAC	TGCACAG	CAGTCTG	GGGACATGTC	CTTGAAGGA	CACAGCC	CCAAAGATA
	(2664)	GTGC-	CCTTG	CACCTAA	TATGATGG	TAAACA	AACAAT	TACCTTC	ACA---CT	CAAGG-	CGGTGCACCAACAAG
		Section 39									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2813)	2813	2820	2830	2840	2850	2860	2870	2886		
	(2618)	CTGGC	AGGTG	AGGTAG	TGTCTCCT	AAAGATCA	ACAGGCAT	CTCATCATG	AAATCCTAT	TTTCA	GAATGC
	(2732)	GTTAC	TTTTTG	--GTGAT	TGACACTGT	GATAGAA	AGTGCA	AGGTTAC	-AAAGAG	TGT----	GAATATCAC
		Section 40									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2887)	2887	2900	2910	2920	2930	2940	2950	2960		
	(2692)	CGTTT	TAGAG	AGGATT	CTAGAG	AA--AA	AGCTAAG	GTGATTT	TTTTTTT	TTT	CAGTCTGTTT
	(2798)	CTTGAT	-GAAAG	GATTGAT	AAAGTACTT	AA	TGAGAA	GTGCTCTG	CCATA	CAGTTGAAC	TGTTAC--AGA-AG
		Section 41									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(2961)	2961	2970	2980	2990	3000	3010	3020	3034		
	(2764)	TGTC	TCACTCTG	TCGCC	CAGGCCA	GAGTGCAG	-TGGTGCG	ATCACAGCT	CAC	TGCAGCC	TCAACCTCCAGGGCT
	(2868)	TAAAT	TGAGT---	TCGCC	TGTGTT	-GTG-	GCAGATG	CTGTCATA	AAAACTT-	-TGCAACC	AGTATCTGAATTA
		Section 42									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3035)	3035	3040	3050	3060	3070	3080	3090	3108		
	(2837)	CAAA	GATCCT	CCCACC	TGAGCC	ACCTGAGT	AGC-TGA	GACTACA	GGC---	GTTGCC	ACCA
	(2935)	TACAC	CA--CT	GGGCAT	TGATTT	AGATGAGT	GAGTAT	GGCTACA	TACTACT	TATTTG	ATGAGTCTG

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		Section 43							
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3109)	3109	3120	3130	3140	3150	3160	3170	3182
	(2903)	TAA	TTT	T--	TTT	T--	TTT	TTT	TG
	(3007)	TAA	ATT	GGC	TT	CACA	TAT	GT	TAT
		Section 44							
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3183)	3183	3190	3200	3210	3220	3230	3240	3256
	(7970)	CT	GGG	CT	CA	AGC	ATC	TAC	---
	(3081)	AA	GAG	TT	TG	AGC	ATC	AC	TCA
		Section 45							
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3257)	3257	3270	3280	3290	3300	3310	3320	3330
	(3037)	A	CCAC	AC	CTG	CTG	TT	TT	TG
	(3155)	G	CCAC	TT	CTG	CTG	C	T	TT
		Section 46							
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3331)	3331	3340	3350	3360	3370	3380	3390	3404
	(3110)	A	TAT	GG	GG	CT	AT	GG	CAA
	(3223)	A	AC	TG	TT	GG	T	CA	A-
		Section 47							
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3405)	3405	3410	3420	3430	3440	3450	3460	3478
	(3182)	G	CT	TT	TC	AGA	--	GT	ACT
	(3296)	CA	AT	T	AG	AG	TG	GA	ACT
		Section 48							
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3479)	3479	3490	3500	3510	3520	3530	3540	3552
	(3250)	G	GA	GAA	ACT	GA	AGG	C	CT
	(3370)	T	GA	CAA	TG	T	-	ATA	CAT
		Section 49							
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3553)	3553	3560	3570	3580	3590	3600	3610	3626
	(3323)	T	T	CT	GCCA	CAG	GCACA	CAT	GCC
	(3442)	T	GA	GCCA	AT	G	TTT	AC	CT

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		Section 50							
		(3627)	3627	3640	3650	3660	3670	3680	3690 3700
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3397)	AGACTCTG GAGTCAGACGGCTTCGAGGGATGAGGCCTCAGACAAGTAACTCAGCTTTGAAA TGT TTT CAGT G							
	(3515)	CAAGTT--GAATCTGATGATTACATAGCTACTAATGGAC---CACTTAAAGTGGTGGT AGT TGT GTTTTAAGC							
		Section 51							
		(3701)	3701	3710	3720	3730	3740	3750	3760 3774
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3471)	GGAGAGAAATAGCC CCTC CAGGG CTGT GCT CCGGAA--CTGACTGAGGGCTAACTATTATGAGGCC CACCCCA							
	(3584)	GGACACAA-----CTTGCTAAACA CTGTCTTCATGTTGT CGGCCAAATGTTAACAAGGTGAAGA CATTCAA							
		Section 52							
		(3775)	3775	3780	3790	3800	3810	3820	3830 3848
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3544)	TTGTTGGAATGTCTTCAGCCACATGGGGGAATGGGTGGAAGAGG--CCGGGATGTGTCC TGC CAGCTAG--AGCA							
	(3653)	CTTCTTAAGAGTGCTTATGA AATTTTA-ATCAGCACGAAGTTCTACTTGCA ACCAT TAT TAT CAGCTGTATTT							
		Section 53							
		(3849)	3849	3860	3870	3880	3890	3900	3910 3922
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3615)	GCGAAGAAATCCCAGCGGGGC C CAGGAAGTCCAAGCCCATGGGGTTCAGGTGCTCCCTCTCTGGCTAT---TCC							
	(3726)	TTGGTGCTGACCCCTATACATTCTTTAAGAGTTTGTGTAGATACTGTTT--GCACAAATGTCTACTTAGCTGTCT							
		Section 54							
		(3923)	3923	3930	3940	3950	3960	3970	3980 3996
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3686)	TTCAAGACCCGCAGCTGCTGGACACAGGCCACAGAGCTGGTGCCTCCCGCGCCATCACTGCA--GTGCAGCCTGGG							
	(3798)	TTGATAAAAATCTCTATGACAAAC TTGTTTCAAGCTTTT TGAAATGAA GAGTGA AAA GCAAGTTGAACAAAAG							
		Section 55							
		(3997)	3997	4010	4020	4030	4040	4050	4060 4070
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3759)	TGGAAGGAGGAAGCAAAGGGAACG----GCC TGGGC TCAGAGTAAGGAGACCTTGCCCCG----GGGACAAA							
	(3872)	ATCGGTGAGATTCCTAAAGAGGAAGTTAA GCCATTTATTA ACTGAAGTAACCTTCAGTTGAACA GAGAAACA							
		Section 56							
		(4071)	4071	4080	4090	4100	4110	4120	4130 4144
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(3825)	CGGTG--TCTGAAGTGCA-----GGGTGAAGCGGTCTCAGTCTCTCAGGGGCCCTGGAATCAGCTCCTTGG--G							
	(3946)	AGATGATAAGAAATCAAGCCTTGTTTGAAGAAGTACAACA CTCTGGAA--GAAC TAAGTCCTCACAG							

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		Section 57									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4145)	4145	4150	4160	4170	4180	4190	4200			
	(3891)	ACACGGTCTTA	TGTGTATTGAC	-----	CATTCT	----	CCCCATC	CATTCC	CTCTT	CGG	AATG----
	(4017)	AAAACTTGTTA	CTTTATATTGAC	ATTAATGG	CAATCT	TCATCC	AGATT	CTGC	CACTCTT	GTT	AGTGACATTGAC
		Section 58									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4219)	4219	4230	4240	4250	4260	4270	4280			
	(3948)	AGGTGTT-CTGAGA	AAACACTTTG	CA--T-----	TCC	TGCC--C	CGCCCT	GTGA	TTTCT	CTTTG	GGCG
	(4091)	ATCACC	TTCTTAAG	AAAGATGC	TC	CATA	TATAGTGGG	TGATG	TTGTT	CAAGAGG	GTGT
		Section 59									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4293)	4293	4300	4310	4320	4330	4340	4350			
	(4008)	CAGGCAGC	CGGGAG	AGGCTGG	AGGC-CT	GGG	GAGATG	GGG	GC-AGG	GCACAAG	GCTAAGCT
	(4165)	TATAGCTAG	CTAA	AAAGGCTGG	TGGCACT	ACT	GAAATG	CTAG	CGCAAA	GC	TTTGAA
		Section 60									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4367)	4367	4380	4390	4400	4410	4420	4430			
	(4077)	CTCCAC	CTCTCACT	GTACTCA	ACTCC	TAGGC	GGGCAC	TAA	GAGC	AGCTGC	CTTCCTG
	(4239)	ATATA	ACCACT	TAC	CCGG-	TCA	GGGTT	TAAAT	GGTT	ACACT	GTAGAGG
		Section 61									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4441)	4441	4450	4460	4470	4480	4490	4500			
	(4151)	CTTGTG	ACTCAAC	TCCCTTT	CCAGGG	TGCAGGGA	ACAT	TCCCT	CTGCCCTGC	CTTCC	AGCTCT
	(4309)	GT-GTAA	---AAG	TGCC	TTTACA	TTCTAC	CATCT	ATTATCT	CTAATGAGAAG	CAAGA	AAT
		Section 62									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4515)	4515	4520	4530	4540	4550	4560	4570			
	(4225)	GCTGGGA	CAGAGT	AGCTGG	GTCCC	AGGCTG	CCCTGT	TGAC	GAGGG	ACCAGG	GAAC
	(4379)	TCTTGGGA	-----	ATT	TGCG	AAGAA	ATGCT	TGCA	ATGCA	GAGA	---AACA
		Section 63									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4589)	4589	4600	4610	4620	4630	4640	4650			
	(4299)	CTGAGC	CCAGAGCC	-TGCAAAGCC	CAAG	CAAG	GCCC	ATAA	ACGG	AGGC	TACGG
	(4443)	TGGA	AACTAA	AGCCAT	AGTTTCAA	CTATA	CAGC	GTAATA	ATAA	AGGGTAT	TAAAA

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		Section 64									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4663)	4663	4670	4680	4690	4700	4710	4720			
	(4372)	GTTTGGGTGGG	TCCGAGGG	ATGGGGG	CAAGG	GCTGAGGGG	CTTGCCT	GAGC	CATGG	CTACA	GCTGGG
	(4516)	TATGGGTG	C-TAGATTTT	ACTTTTA	CAACCA	GTAACA	CTGTAGC	GTCA	CTTAT	CAACA	CTTAA
		Section 65									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4737)	4737	4750	4760	4770	4780	4790	4800			
	(4445)	TGGCCAGTG	CTCGTT	CTGTCAGG	ATCC	TGGAAA	AAGCAGGC	CCAGGC	CCATGGC	TCTGCCCTC	CTTCTGG
	(4589)	AATGA	AACTCT	TGTTA	CAATGCC	A-CT	TGGCTAT	GTAAACA	CATGGC	TTAAATT	TGGAAGAAG
		Section 66									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4811)	4811	4820	4830	4840	4850	4860	4870			
	(4519)	AAGGGTCA	CGATG	CTCTTG	GCCAT	CAGG	AGGA--	AGTAC	CTGCAGC	----	GCCGGTGC
	(4662)	TGAGATCT	CT---	CAAAGT	GCCAG	CTAC	AGTTTCT	GT	TTCTT	CACCTGAT	GCTGT
		Section 67									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4885)	4885	4890	4900	4910	4920	4930	4940			
	(4587)	AAGGGCTG	CGGGG	TCCCAG	CAAGGCC	AGGTG	CTGGC	AGTGGC	ATGGCAG	CACTGG	TGGATG
	(4732)	CTTACT	CTTCT	TCTAA	AACA	CCTG	AGAA	CATTTT	AT	TGAA	ACCATCT
		Section 68									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(4959)	4959	4970	4980	4990	5000	5010	5020			
	(4661)	GAGCAGCT	TGGTG	CGGA	ACCCT	GGTG	AG-TGGGT	GCA	CCCCCT	-CTCC	ACAC---
	(4806)	GGTCTAT	TCTG	GAC	AATCT	ACAC	AAC	TAGGT	ATAGA	ATTCTTA	AGAGG
		Section 69									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5033)	5033	5040	5050	5060	5070	5080	5090			
	(4729)	CATACT	TAAC	CCA	AACC	CCTCT	C	AAA	-----	AGT	ATGGC
	(4880)	AGTAAT	CCCTA	CCA	CATT	CCAC	CTAG	ATGGTGA	AGT	TATCA	CCTTT
		Section 70									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5107)	5107	5120	5130	5140	5150	5160	5170			
	(4797)	AGGCCC-	AGGA	ATCT	GCA	T-TCTT	AAT	ACTCC	T	AGA	TGACA
	(4954)	AGAAGTG	AGGA	CTAT	TAA	AGGT	GTTT	ACA	ACAGT	-AGA	CAACA

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										Section 71	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5181)	5181	5190	5200	5210	5220	5230	5240	5254		
	(4868)	AGCAGTGTCGGGGG--AGAAAAGG	CAGAA	GGGCTGGGGA	CTGCGGGGAGCGT	GAGCA	TGAGCA	ACAAGAGG	CCTTCTCT	CTGC	
	(5027)	ATGACATATGGACAACAGTTTGGTCCAACTTATTTGGA	TGAGCTGATGT	TACTAA	ATAAA	CCTCAT	TAATT				
										Section 72	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5255)	5255	5260	5270	5280	5290	5300	5310	5328		
	(4940)	CAACTGTCCCCAAAAGCTCAGGGA	GTGGCACCTGA	GATGGCCTGGCA	GACGTGTGGC	AGCGGA	TCCTGCGA				
	(5100)	CACATGAAGGTAAAAACATTTTATGT	TTTACCTAAT	GATGACACTCTAC	GTGTGAGGC	TTTTGAGT	TACTACCA				
										Section 73	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5329)	5329	5340	5350	5360	5370	5380	5390	5402		
	(5012)	CTGCGAGTGGCTCAGCAGTTACAGCAG	CAGGAAGATGGGTGGT	TCCTTTC	CAGGTACT	GCCCTCTTCCCTGC					
	(5173)	CA-GAACTGATCCT--AGTTT	TCTGGGTAGGTAC	ATGTCAGCAT	TAAATCA	CACTAAAA	GTGGAAT	ACCAC			
										Section 74	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5403)	5403	5410	5420	5430	5440	5450	5460	5476		
	(5085)	ATTCCACTCAGCCAGCCTTCCAG	AAGTCTGTGCCA	CAGCCACGCAC	GTGGAGCTTTCC	CTGC	TTGCCAGCC				
	(5244)	AAGTTAATGGTTTAACTT	CTATTAAATGGG	-----	CAGATAACAAC	TGTTATCTTG	CCCTGC	ATTGTTAACA			
										Section 75	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5477)	5477	5490	5500	5510	5520	5530	5540	5550		
	(5157)	CCGGGGCCCC	TTCGTTTTCAGGGG	AGGGGGT	CAGTTC	ATTAT	----	CAGAAC	ACACAG	GCTGGATGCTGGAGCC	
	(5312)	CTCCAA	CAAA	TAGAGTTGA	AGTTTATCCAC	CTGCTCTACA	AGATGCTTATT	ACAGAG	CAAGG--	GCTGGTGAA	
										Section 76	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5551)	5551	5560	5570	5580	5590	5600	5610	5624		
	(5227)	CTTGCTTTGA	TTTGTG	GC	CCAGCTCAGG	CCAGGCCCC	ACCCGGTC	CATCAGT	TTGCGA	AGAA	GGTGTGGCATGA
	(5384)	GC	TGCTAACT	TTTGTG	CACTTATCTTAG	CTACTGTA	ATAAGA	--	CAGTAGGT	TGAGTTAGGT	GATGTAGAGAA
										Section 77	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5625)	5625	5630	5640	5650	5660	5670	5680	5698		
	(5301)	GGCATG	-GCTGC	CAC	TCA	CA-CTA	GCCATGGAG	GGCCTGG	-----	GTCCTGAGCG	CCCCCTCCCTCATTTG
	(5456)	ACA	ATGAGTTACT	TGT	TTCA	ACATGCC	AATTTAG	ATTCTTG	CAAAAGA	GTCCTGA	ACGTGGTGTGTAAACCTTG

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		Section 78									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5699)	5699	5710	5720	5730	5740	5750	5760	5772		
	(5366)	CTCTGCTCTGAGTACAGC--TTCCCA	GCTCACCATCAGATCTATTCTGAGCTT--GTGCATT	TGGCCTAGGCA							
	(5530)	TGGACAA	CAGCAGACAA	CCCTTAAGG	GTGTAGAAGCTGTATTGTACATGGGCACACTTTCTTATGAA	CAATTTA					
		Section 79									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5773)	5773	5780	5790	5800	5810	5820	5830	5846		
	(5435)	AGACTGGCTGGCTGCTTGGGGCAGAGGAGGGCCCTGGGACAAAAAGGAGCTGGGT--ACAGGGGT	TGC--TC								
	(5604)	AGAAAGGTGTTT	CAGATACCTTGTACGTGTGGTAAAC	AAGCTACAAAA	T-ATCTAGTACAACAGGAGT	CACCTTT					
		Section 80									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5847)	5847	5860	5870	5880	5890	5900	5910	5920		
	(5505)	TAGCAGGC--ACAGCACAGACCCGGAGAAAGCCCACAA	CAATAG--CATTTCTCTC-TCTCTCCCTG	GTTC-CAG							
	(5677)	TGTTATGATGT	CAGCAC	CACCTGCTCAGTATGAACTTAA	GCATGGTACATTTACTTG	TGCTAGTGA	GTACACTG				
		Section 81									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5921)	5921	5930	5940	5950	5960	5970	5980	5994		
	(5573)	GCCTTTAAGAA-GTGG-CACCAACGCCTGGCAGCCAGGAGCCCCAA-----GGAGAGGAGCTGC	CAGTAGC								
	(5751)	GTAA	TTACCAGTGTGGT	CACATAAAACATATAAC	TTCTAAAGA	AACTTTGTATTGCATAGACGGTGC	TTTACTT				
		Section 82									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5995)	5995	6000	6010	6020	6030	6040	6050	6068		
	(5636)	C	CAAGAC	CCTGGAGCAAGCCAGGCCCA--AGGGC-----CCCGAGAGTGGACAGGAAG----	CCGCCA	AGAGC					
	(5825)	A	CAAGAGT	CCTCAGAATACAAAGGTCC	TATTACGGATGTTTTCTAC	AAAGAAAACAGTTACACAA	CAACCA	TAA			
		Section 83									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6069)	6069	6080	6090	6100	6110	6120	6130	6142		
	(5698)	ACC	GCGGGGTTGGGGGCTTGGGGCAGAGCATGGGGCCAGCTGCAGCTGTGACTTGTTCTCA	TAGAATAAA	AAA						
	(5899)	ACC	AGTTACTTATAAATTGGATGGTGTGTTTGTACAGAAATTGACC-TAAGTTGGA	CAATTATTATAAG	AAA						
		Section 84									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6143)	6143	6150	6160	6170	6180	6190	6200	6216		
	(5772)	C	AGAACTGAACTTAGCCTTCC	CAGGGAA	GGAAACCATG	CCCA	CAC-ATCCA	GGGAGTGATGACAGAGGG	GACAG		
	(5972)	G	ACAA	TTCTTATTTCACAGAGCA	ACCAATTGATCTGTACCA	AAACCA	CCA	TATCCAAACGCAAGCTTC	GATAA		

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		Section 85									
		(6217)	6217	6230	6240	6250	6260	6270	6280	6290	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5845)	C T T G A A G A G C T C T G A A G G A C A A T A A A A C C C A C T C C T C A G T C C T A G C T G C T T T C A G T C T C T C C T A G C G G C T G									
	(6046)	T T T A A G - - - T T T G T A T G T G A - T A A T A T C A A T - - - - - - - - - T T G C T G A T G A T T T A A C C A G T - - T A A C T G G T -									
		Section 86									
		(6291)	6291	6300	6310	6320	6330	6340	6350	6364	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5919)	C C C C T C T G C C C C A G C C A G T G A G G C C A G G A G A G T A A A G A G G A C A T C C C A C A A T T G C G T C C A C C C C C T T G G C C									
	(6104)	- - - - T A T A A G A A A C C - - - T G C T T C A A G - - A G A G C T T A A A G T T - A C A T T T T T C C C T G A C T T A A A - - - - - T G G T G									
		Section 87									
		(6365)	6365	6370	6380	6390	6400	6410	6420	6438	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(5993)	A T C A G G C T G C T C T T C C A - - - C T A C A C G A A A C A G C C C A T C T G C A C C T G C C A G T C A C - - T G C C C C C A G G C C C T G G G									
	(6162)	A T G T G G T G G C T A T T G A T T A T A A A C A C T A C A C A C C T C T T T A A G A A A G G A G C T A A A T T G T T A C A T A A A C C T A T T									
		Section 88									
		(6439)	6439	6450	6460	6470	6480	6490	6500	6512	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6062)	G C T T G - C A G G T G A C T C G T G G G - - A G C C A G G C C A G C A G A T A A C C T C T G G G A C A G G A C G A G G G G A T G A G G A A G G									
	(6236)	G T T T G G C A T G T T A C A A T G C A A C T A A T A A A G C C A G T A T A - A A C C A - - - - - A A T A C C T G G T G T A T A C G T T G T									
		Section 89									
		(6513)	6513	6520	6530	6540	6550	6560	6570	6586	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6133)	C A G C T G G C A G G A C A A G G G C C T A C C T G A A A A A T - A C A C C A G G A A G C T G G G C T G C T G - C A C A G G C C C A G G C A G A T C									
	(6302)	C T - - T T G G A G C A C A A A A C C - - A G T T G A A A C A T C A A A T T C G T T T G A T G T A C T G A A G T C A G A G G A C G C G C A G G A A									
		Section 90									
		(6587)	6587	6600	6610	6620	6630	6640	6650	6660	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6205)	T G G G G C C C C T G T G C T G - G C A A A T C T C A T C T T A G C C T C T G A C - A G G G A A C G G G G C A G C A T C A G G C C T C C A C A G C C									
	(6372)	T G G A T A A T C T T G C C T G C G A A G A T C T A A A A C C A G T C T C T G A A G A A G T A G T G G A A A A T C C T A C C A T A C A G A A A G A C									
		Section 91									
		(6661)	6661	6670	6680	6690	6700	6710	6720	6734	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6277)	A G G C A A A A G G G G A A G C C A C G A G C C C A C C A A G C A C A A G G G T T C A G A C T G C C T T C A A C C C T T A A G G G G C A C T T T									
	(6446)	G T T C T T G A G T G T A A T G T G A A A A C T A C C G - - A A G T T G T A G G A G A C A T T A T A C - T T A A A C C A G C A A A T A A T A G T T T									

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		Section 92									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6735)	6735	6740	6750	6760	6770	6780	6790			
	(6351)	TTCTCT	TCAAGGCTC	AGAAATAG	CAACTGTGC	CAAAAAGC	GCATG-GTAG	GTGTCAGCCCCAA	TGC	CCATCC	AGG
	(6517)	AAAAA	TACAGGAGGT	TGGC	CACAGAT	CTAATG	GCCTGCTAT	GTAGACAATTCTAGTC	TTA	CTATTA	AGA
		Section 93									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6809)	6809	6820	6830	6840	6850	6860	6870			
	(6424)	GGGCTGGTGG	CCATGGACGG	GCTAAGTGG	GGCAGG	CAGAGGG	CAGTGGT	-----	GTGCCC	CTT	CAGTCA
	(6591)	AACCTAA	TGAATTATCTA	GAGTATT	AGGTTT	GAAAC	CCTGCT	TACTCATG	GT	TTAGCT	GCTGT
		Section 94									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6883)	6883	6890	6900	6910	6920	6930	6940			
	(6490)	--G	TGGG	GC--	AGCT	-----	GC	CCACCTC	TAGGAGGTGG	AAG--	GGTACAG
	(6665)	CCT	TGGG	ATAC	TATAGCT	AATTAT	GCTAAG	CCTTTTCTTAACA	AAGTT	GT	TAGTACA
		Section 95									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6957)	6957	6970	6980	6990	7000	7010	7020			
	(6551)	TACGA	TGCC--	ACAGTG	CC	TGATGCCC	TTGCGT	G--	TTT	TGCCTGTACT	GCA
	(6739)	-ACG	GTGTTTA	AACGTG	TTTG	TACTAA	TTATA	TGCC	TTA	TTTCTTTACT	TTATTG
		Section 96									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7031)	7031	7040	7050	7060	7070	7080	7090			
	(6619)	C	ACTGGG	AGTCC	AGGCTGGCTC	TGGAG	GCTGCT	TGG--	TT	CGAGG	GCTT
	(6811)	T	ACTAGA	AGTACA	AATTCTAGAA	TTAA	AGCATCTA	TGCCGAC	TACT	ATAGCAA	AGATA
		Section 97									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7105)	7105	7110	7120	7130	7140	7150	7160			
	(6689)	TCGCC	TTCT	CAGGAG	GTGCC	CCAC	TGTGGT	CCCT	TG	CAGG-AC	GCAAGT
	(6885)	GTAAA	TTT	TGTCT	AGAG	GCTT	CA--	TTTAA	TTAT	TGAAG	TCACCT
		Section 98									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7179)	7179	7190	7200	7210	7220	7230	7240			
	(6762)	C	TCTT	GCTAG	AGCAGAG	AGTACT	TAGGT	TCCCAT	TG	TGGGGC	C
	(6956)	A	TTTGG	TTT	ACTATTA	AGTGT	TG	CCTAGGT	TCTTTAAT	C	ACTCA

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		Section 99									
		(7253)	7253	7260	7270	7280	7290	7300	7310	7326	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6833)	TCACCTCCAGTCTAGCTGCC-ATTGTCAGGTGGGGAGTGGAGGCCGGGGTGGAGAGACACGAAGGAGAGTGGGA									
	(7030)	TAAATTAGGCAATGCTCTTACTGTACTG-GTTACAGAGAAGGCATA--TTTGAACCTCTACTAAATGTCACATT									
		Section 100									
		(7327)	7327	7340	7350	7360	7370	7380	7390	7400	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6906)	GTTCCCAAGAGAAAGCAGCACTGTGGAGGAGGAAGGCGGGACAGGAGTGGCTCCCAACGCAGGGCGTCAGGACGCA									
	(7100)	GCAAACCTACTGTACTGTTCTAT--ACCTTGTAGTGTGTGTCTTGTGGTTTAGATTCT-----TTTAGACAC									
		Section 101									
		(7401)	7401	7410	7420	7430	7440	7450	7460	7474	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(6980)	GGGTGATGGAGCCTCCGTTTCTCT-CGCATTCTGGGTGGGCCTGTTGAGAAAGCTCCAATGTGTCTTCCACCAACC									
	(7166)	TATCGTT-----CTTTAGAAACTATACAAATTACCATTTTCATCTTTTAAATGGGATTTAACGTCTTTTGGCTTAG									
		Section 102									
		(7475)	7475	7480	7490	7500	7510	7520	7530	7548	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7053)	TGCAGAGGCAGTTGTCCAGTGGGAAGTCAT-TGTCACACAGGTTGACCAGGAAGTAGTTGTCGTGGATGTACT									
	(7236)	TTGCAGAGTG-GTTT-----TGGCATATATCTTTTTCACAGGTTTCT--ATGTACTTGGATTTGGCTGCAAT									
		Section 103									
		(7549)	7549	7560	7570	7580	7590	7600	7610	7622	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7126)	GGATGATGGTGCAGGACGGGGACTCCTCTCTCATACAGCTTT-TCCCCACCGCTCAATCCACAGGGCAAGGCCCTC									
	(7303)	C-ATGCAATGTTTTTTCAAGCTATTTTGCAG--TACATTTTATTAGTAATTCTTGGCTTATGTGGTTAAATAATTAT									
		Section 104									
		(7623)	7623	7630	7640	7650	7660	7670	7680	7696	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7199)	GTCCTACACACACATACCCCCGCACACACACAT-TGCACACACA-CACAGAGGCAAGATTAAACAGGGCTCT									
	(7374)	ATCTTGTACAAA--TGGCCCCGATTTCAAGCTATGGTTAGAAATGTACATCTTCTTTGCAATCATTATTATTATGATAT									
		Section 105									
		(7697)	7697	7710	7720	7730	7740	7750	7760	7770	
Homo sapiens chromosome 1 NC 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7271)	CCAAAGGCTCTGCTCAACAGGACATTTCCCAGGAATAGAAAGGCCCCAGTCCAGTATCACCTTCCACCCCTGTC									
	(7446)	GGAAAGTTATGTGCAATGTTGTAGACGGTTGAATTCATCAA-----CTTGTATGATGTGTTTACAAACGTAAT									

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		Section 106															
		(7771)	7771	7780	7790	7800	7810	7820	7830	7844							
Homo sapiens chromosome 1 NC. 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7345)	CCAGAAATAAACAC	CC--TGCA	TCAGCAG	TGACATG	GGTGAGT	TCAGAGCTGGG	TGTGCCCTGA	AGGCT	GGGTCC							
	(7514)	AGAGCAACAA	GAGTCGAA	TGTACA	CTAT	TGTTAAT	GGTG--TT	AGAAGGTCC	TTTATGTCT	ATGCT	AATGGA						
		Section 107															
		(7845)	7845	7850	7860	7870	7880	7890	7900	7918							
Homo sapiens chromosome 1 NC. 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7417)	AGTGTG	GCCTT	CAGC	-----ACAC	GC	TTGG	-----GAC	TTGGT	TCCCATC	CCTC	CCAC	--GGT	TTT	TCCAGG	TGG	
	(7586)	GGTAAA	GGCTT	TTGC	AAACT	ACACAA	TTGGA	ATTGTG	TAA	TGTG	ATAC	ATTCT	GTGCT	GGTAG	TACAT	TTAT	
		Section 108															
		(7919)	7919	7930	7940	7950	7960	7970	7980	7992							
Homo sapiens chromosome 1 NC. 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7480)	GCGGGGCA	AGC	TTGC	CCCCG	CTC	---CTTT	ACC	TTCC	AGAAC	--ATGA	AGCTG	ACGG	GGAT	CCA	CTACGG	TGG
	(7660)	TAGTGATGA	AAG	TTGC	GAGAG	ACT	TGTCA	CTAC	AGTTT	AAAAG	ACCA	ATAAA	TCT	ACTGA	--CCA	G	TCTTC
		Section 109															
		(7993)	7993	8000	8010	8020	8030	8040	8050	8066							
Homo sapiens chromosome 1 NC. 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7548)	GCTGGATGAT	CTCT	CGCC	CAGG	GAAGA	T--GCC	CCAAGTGA	CAGCAT	TCGGCT	--GCAGT	TCA	GGGG	GCAT	TTGG		
	(7732)	CATCGTTGAT	AG-T	GTTA	CAGT	GAAGA	ATGGTT	CCATCCAT	CTTTA	CTTTGAT	AAAGCT	GGTCA	AAAG	GACT	TTAT		
		Section 110															
		(8067)	8067	8080	8090	8100	8110	8120	8130	8140							
Homo sapiens chromosome 1 NC. 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7617)	TGATGTT-TTC	ACCT	GAGGGGA	TGT	GGGGT	TGG	GGTAAG	ACCTGG	--CCAA	GAACA	CTGG	AGTCC	CATGCG			
	(7805)	GAAAGACA	TTCT	CTCT	CATTT	TGT	TAAC	TTAG---	ACA	ACCTG	AGAG	CTAA	AACA	CTAA	AGGTT	CATGCG	
		Section 111															
		(8141)	8141	8150	8160	8170	8180	8190	8200	8214							
Homo sapiens chromosome 1 NC. 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7688)	CTGGAC	AGCC	TTGAC	TCAA	TGAGG	CTGTCT	----GG	GCTCA	AATAC	CCTCT	TGCTGCG	CCT	CCA	CTCCCGG	CTC	
	(7875)	CTATTAA	TGTAT	AGTTT	TGATG	TGTTAAAT	TCAAAAT	GTGA	GAAT	CATCT	TGCAAAAT	CAGCGT	CTGTTTAC	-TA			
		Section 112															
		(8215)	8215	8220	8230	8240	8250	8260	8270	8288							
Homo sapiens chromosome 1 NC. 000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(7758)	CAC	CTCTC	CTGGCC	TCAC	TCCCCT	CTCTCC	TGTGC	CTCC	GCTC	CTGGCT	CCTC	TGCTG	CATC	TGT	GAA	TGA
	(7948)	CAG	TCAGCT	TATGT	CAAC	-----CT	ATAC	-TGT	TACTA	-GATCA	-GGC	ATTAG	-TG	CTGA	---TGT	TGG	TGA

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		Section 113									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8289)	8289	8300	8310	8320	8330	8340	8350	8362		
	(7832)	TATCTCTCCCCACACAAGCCTGAACCTAGAGGCGT-CCTGGCCAC-TTCCCTCTCTCTCTTGA	GCAACCCCTG								
	(8011)	TAGTGCGGAAGTTGCA GTTAAATGTTTGATGCTTACGTTAATACGTTTTTCATCAACTTTTAACGTACC	AA-TG								
		Section 114									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8363)	8363	8370	8380	8390	8400	8410	8420	8436		
	(7904)	CTCACTCTCTGATCC---ATTCCCTCTTGTCTAGCCTACCT--CCAGGAGTGTGTTTGGCTTGGGTCACTCCAG									
	(8084)	GAAAATCTCAAAACA	ACTAGTTGCACTGCAGAGCTGAACTTGCAAGAATGTGT----CCTTAGACAAT---G								
		Section 115									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8437)	8437	8450	8460	8470	8480	8490	8500	8510		
	(7973)	GGGTCTCTTCACTGGCC	TCCCGGCTCTAGCCGTCCCCAATCTCTCTCATCCGTATGACTATCC							A--CTGT-GA	
	(8151)	TCTTATCTACTTTTATTTCAGCAGCTCGGCAAGGGTTTGTGATTCAGATGTAGAA-ACTA	AAGATGTGTGTGA								
		Section 116									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8511)	8511	8520	8530	8540	8550	8560	8570	8584		
	(8044)	TTTGGCTTAAATAAAGCAGGAACCAAGCCACCCAC	TGCTGGAGAAAGGCTTCCC							TTGCAATGAGGGGA	
	(8224)	ATGTCTTAAATTTGTCA	CATCAATCTGACATAGAAGTTACTGGCGATAG-----TTGTAAATACTATATGCTC								
		Section 117									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8585)	8585	8590	8600	8610	8620	8630	8640	8658		
	(8118)	AA--ATTTCAGCAGGACAA	CATGATCTCTGCGGGCCTGGCCCCCTGCTTAACACTCCC							GCCCTCCTCTGCTCAT	
	(8291)	ACCTATAA	CAAGTTGAACAATGACACCCGTGACCTTGGTGCTTGATTGACTGTAG--TGCGCGTCA							TATTT	
		Section 118									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8659)	8659	8670	8680	8690	8700	8710	8720	8732		
	(8190)	GTTCCTCGTTTCCCAAGATGGTGCAGC	TCACGTCTTGCCTGTCTCTGCTTGTCCCTGTCCCAGGAATACCC							TTCTTC	
	(8363)	AAATGGGAGGTAGCAAAAG-----TCACAA	CAT-TGCTT-TGATATGGAACGTAAAGATTTCATGTCAT								
		Section 119									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8733)	8733	8740	8750	8760	8770	8780	8790	8806		
	(8264)	TCCTGTTGGC	CAACTCCTCTTTGTCCTCAGTGATTCCCAACA-GATGACCT--CTGAGAAGCCTTTCCTG							GCCT	
	(8428)	GTCTGAACAAC	TACGTAAGTGCTGTAAAGAATAACTTACCTTTTAAAGT-TGACATGTGCA								

		Section 120									
		(8807)	8807	8820	8830	8840	8850	8860	8870	8880	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8335)	C	C	A	G	G	T	G	A	T	A
	(8501)	A	C	T	A	C	T	A	G	A	T
		C	C	A	G	G	T	G	A	T	A
		Section 121									
		(8881)	8881	8890	8900	8910	8920	8930	8940	8954	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8404)	G	--	G	C	T	G	G	T	C	A
	(8575)	G	A	A	G	C	A	G	T	T	A
		G	A	A	G	C	A	G	T	T	A
		Section 122									
		(8955)	8955	8960	8970	8980	8990	9000	9010	9028	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8473)	T	T	C	T	G	C	T	G	T	A
	(8649)	T	C	A	T	G	T	C	T	A	A
		T	C	A	T	G	T	C	T	A	A
		Section 123									
		(9029)	9029	9040	9050	9060	9070	9080	9090	9102	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8544)	G	C	T	G	G	T	A	C	T	C
	(8721)	A	C	A	T	A	C	A	G	A	T
		A	C	A	T	A	C	A	G	A	T
		Section 124									
		(9103)	9103	9110	9120	9130	9140	9150	9160	9176	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8616)	C	G	T	A	C	T	T	C	A	G
	(8792)	G	G	T	A	C	T	T	C	A	G
		G	G	T	A	C	T	T	C	A	G
		Section 125									
		(9177)	9177	9190	9200	9210	9220	9230	9240	9250	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8690)	A	G	A	C	A	G	G	--	T	G
	(8860)	C	G	T	C	T	G	G	T	T	G
		C	G	T	C	T	G	G	T	T	G
		Section 126									
		(9251)	9251	9260	9270	9280	9290	9300	9310	9324	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(8760)	T	A	C	T	G	C	A	G	C	C
	(8923)	T	A	C	T	G	C	A	G	C	C
		T	A	C	T	G	C	A	G	C	C

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		Section 127									
		(9325)	9325	9330	9340	9350	9360	9370	9380	9398	
Homo sapiens chromosome 1 NC 000001.11: 11783698-...	(8833)	GG	AC	GT	GT	AG	T	TT	C	T	CA
	(8991)	CA	AG	A	T	C	AG	C	TT	GT	T
		Section 128									
		(9399)	9399	9410	9420	9430	9440	9450	9460	9472	
Homo sapiens chromosome 1 NC 000001.11: 11783698-...	(8907)	C	AC	GA	AGA	AG	CC	AT	TT	C	T
	(9054)	T	AC	GA	T	ATT	T	GA	T	AC	CA
		Section 129									
		(9473)	9473	9480	9490	9500	9510	9520	9530	9546	
Homo sapiens chromosome 1 NC 000001.11: 11783698-...	(8981)	C	A	T	C	C	T	C	C	C	A
	(9123)	G	T	A	T	G	T	G	T	C	A
		Section 130									
		(9547)	9547	9560	9570	9580	9590	9600	9610	9620	
Homo sapiens chromosome 1 NC 000001.11: 11783698-...	(9055)	G	T	T	A	C	T	C	A	A	A
	(9187)	A	G	T	G	G	T	A	A	C	A
		Section 131									
		(9621)	9621	9630	9640	9650	9660	9670	9680	9694	
Homo sapiens chromosome 1 NC 000001.11: 11783698-...	(9129)	G	G	G	T	T	C	A	G	G	A
	(9251)	G	T	T	G	T	G	T	A	T	C
		Section 132									
		(9695)	9695	9700	9710	9720	9730	9740	9750	9768	
Homo sapiens chromosome 1 NC 000001.11: 11783698-...	(9202)	C	T	G	C	T	C	C	A	G	G
	(9321)	G	T	G	G	T	A	T	A	C	A
		Section 133									
		(9769)	9769	9780	9790	9800	9810	9820	9830	9842	
Homo sapiens chromosome 1 NC 000001.11: 11783698-...	(9276)	C	A	G	G	A	T	A	A	C	A
	(9386)	T	T	G	G	A	C	A	T	A	T

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		Section 134									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(9843)	9843	9850	9860	9870	9880	9890	9900	9916		
	(9342)	CATGCTTTGTTAGGTTTCATGCCCAGAACACA-AGCTACATCCCATTTTACAGACGAGAAAACAGGC-TCA	GAT								
	(9459)	TGAGGTTTAGAAGAGCTTTTGGTGAATACAGTCAATGTAAGTGGC-TTTAATCTTTACTTCCTTATGTCA	TTT								
		Section 135									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(9917)	9917	9930	9940	9950	9960	9970	9980	9990		
	(9414)	GAG-GTCGAGTGACCTGCCCTCCATAGGTCTGATTTCATCT--TTTTTTTCTTTTCTTGAAGTGGAGTCTTG	C								
	(9532)	CACCTGTACTCTGTTT-TAACACCAAGTTTCTCATTTCTTACTGGTGTCTTCTGTTTCTTCTTACTGTAA--CTTGA	C								
		Section 136									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(9991)	9991	10000	10010	10020	10030	10040	10050	10064		
	(9485)	TCTGTTGCTCAGGCTGGAGTGCAGTGGCATGATCTCAGCTCAC-TGCAACCTCCGTCCTCCCGGTTTCAAGCGAT	T								
	(9603)	CATTTTATCTTA-CT--AATGATGTCTTCT--TTTTCAGCACTATTCAGTGGATGGTTAT---GTTCAACCTT	T								
		Section 137									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(10065)	10065	10070	10080	10090	10100	10110	10120	10138		
	(9558)	TCTCCTGCCTCAGCCTCCCAAAGTAGCTGCAACTACAGGTGCCCGCCACACACCCGGCTAATTGTTGTTATTTT	T								
	(9669)	TAGTACCTTCTTGGAATAACAAATT-GCTTATATCTATTTGTATTT-CCACAAAGCATTTCTATTGTTCTTTAGTA	T								
		Section 138									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(10139)	10139	10150	10160	10170	10180	10190	10200	10212		
	(9632)	AGTAGAGATGGGGTTTCATCATGTTTGTTCAGGCTG----GTCTCGAACTCCTGACCTTG-TGATCTGCC	CACCT								
	(9741)	ATTACCTAAGAGAA--CGTGTAAGTCTTTAATGGTGTTTCTTTAGTACTTTTGAAGAAGCTGCGCTGTGC	CACCT								
		Section 139									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(10213)	10213	10220	10230	10240	10250	10260	10270	10286		
	(9701)	TGGCCTC--CTAAAGTGC TGGGATTAACAG--GCAT---GAGCCACCAAGCCAGCCAACTTTTTTTTTTTT	T								
	(9813)	TTTTGTATAAATAAAGAAATGTATCTAAAGTTGCGTAGTGA TGTGCTATTACCCTCTTACGCAATATAAATAGATAC	T								
		Section 140									
Homo sapiens chromosome 1 NC_000001.11: 11783698-... SARS-CoV-2 Reference Genome NC_045512.2	(10287)	10287	10300	10310	10320	10330	10340	10350	10360		
	(9768)	TTTTTTT-TT-TGAGACAGGCTCTCACTTTGTGGGCAGGC TGGAGTGCAG-AGGCACAATATG--GCTT	T								
	(9887)	TTAGCTCTTTATAATAAGTACAAATTT--TTAGTGGAGCAA--TGGA TACA ACTAGCTACAGAGAAGCTGCTT	T								

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		Section 148									
		(10879)	10879	10890	10900	10910	10920	10930	10940	10952	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10335)	CC	TTCA	GCAGGCTGGTC	TCA	GC	CGCCAGG	GGCTCAT	CTTCCAGGGCA	GGCAAGTCACCTGGGAGAA-GACGGTG	
SARS-CoV-2 Reference Genome NC_045512.2	(10452)	AT	TTCA	CTATTAA	GGGT	TCA	TTCTTAA	GGTTCAT	GTGGT	AGTGTGGTTT-TAACATAGATTATGACTGTG	
		Section 149									
		(10953)	10953	10960	10970	10980	10990	11000	11010	11026	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10408)	AG	CTGGC	TGGGG	C---G	ACCAT	CAGGT	TTGG	CAC	CTGAGTCCCT-CTCAGGGCCCCCAACAAAG-ACC	
SARS-CoV-2 Reference Genome NC_045512.2	(10524)	TCT	CTTTT	TGTTA	CATGC	ACCAT	ATGGAA	TTAC	CAACTG	GAGTTCATGCTGGCACAGACTTAGAAGGTAACTTT	
		Section 150									
		(11027)	11027	11040	11050	11060	11070	11080	11090	11100	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10475)	-----	CCTG	TCT	TTGC	CTCC	CTAA--	GC	CTTC	CAGGTGGAGGTCTCCCAACT--TACCCCTTCTCCCCTTTGGC	
SARS-CoV-2 Reference Genome NC_045512.2	(10598)	TATGGA	CCTT	TGTTG	TGAC	AGG	CAAA	CA	GCACAAG	CAGCTGGTACGGAACAACCTATTACAGTTAATGTTTTAGC	
		Section 151									
		(11101)	11101	11110	11120	11130	11140	11150	11160	11174	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10539)	ATG	----	TCC	ACAGC	ATGG	AGGGGA	GGGC	ACAGG	ATG-----GGGAAGTCACAGCCC	
SARS-CoV-2 Reference Genome NC_045512.2	(10672)	T	TGTTG	TAC	GTGC	TGTTA	TAAAT	GGAG	ACAGG	TGTCTCAATCGATTACCAAACTCTTAATGACTTTA	
		Section 152									
		(11175)	11175	11180	11190	11200	11210	11220	11230	11248	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10602)	AG	CTGGG	GT	CAGGCC	AGGGGC	AGGGG	ATGAACC	AGGGT	CCCCACTCCAGCATCACTCACTTTGTGACCATTCG	
SARS-CoV-2 Reference Genome NC_045512.2	(10746)	AC	CTTGT	GGCT	TATGA	AGTACA	ATT--	ATGAACC	TCTAA	CAACAAGACCATGTTGACATACTAGGACCTCTTCTG	
		Section 153									
		(11249)	11249	11260	11270	11280	11290	11300	11310	11322	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10676)	G	TTTGGT	TCTCCCGAGA	GTAA	AGA-	ACGAAGA	CTTCA--	AAGACA	TTTCTTCA--CTGGTCACTCCTCC	
SARS-CoV-2 Reference Genome NC_045512.2	(10818)	CT	CAAAC	TGGAATTGCC	GTTT	AGAT	ATGTGTG	CTTCA	TTAAA	AGAATTACTGCAAAATGGTATGAATGGACGT	
		Section 154									
		(11323)	11323	11330	11340	11350	11360	11370	11380	11396	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10745)	C	CAT	CTT	CAG	CAG	CTCT	CC	TTGGGG	GACTTGCTCTTCAAGGTAGAAGAGGTAGTAGTCTT---	
SARS-CoV-2 Reference Genome NC_045512.2	(10892)	AC	-CAT	ATT	GGGT	AGTG	CTT	TATT	TAGAA	GA-TGAATTACACCTTTTGATGTTGTAGACAAATGCTCAGGTGTT	

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											Section 155																		
	(11397)	11397	11410	11420	11430	11440	11450	11460	11470																				
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10811)	-CTCC	CCAAAG	-GCAG	GGAA	-GAGGAAT	--TG	----	CCCTGG	CAGAGGGGTG	CCAGAGGTCAG	GGGCA	CACT																
SARS-CoV-2 Reference Genome NC_045512.2	(10964)	A	CTTT	CCAAAG	TGCAGT	GAAA	GAACAAAT	CAAG	GGTA	CACACCACT	GTTT	TACTCA	AATTT	GACTT	CACT														
											Section 156																		
	(11471)	11471	11480	11490	11500	11510	11520	11530	11544																				
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10876)	CCT	-GACAG	AGGG	CAGT	GCCAC	CACAT	GC	CCAG	GAGGCCA	TTCC	TGTAA	-ATTCT	TGCC	CCCTG	--ACTCC	TCCCA												
SARS-CoV-2 Reference Genome NC_045512.2	(11038)	TT	TAG	TTTT	AGTC	CAGAG	TACT	CAAT	GTGT	CTTT	G	TTC	TTTT	TTTT	TGTA	TG	AAAA	TGCC	TTTT	TTTAC	CTTT	TGCTA							
											Section 157																		
	(11545)	11545	11550	11560	11570	11580	11590	11600	11618																				
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(10946)	G	GTCA	ACCACA	AGC	ATG	CAAA	CT	CTT	CTGC	CT	TCCC	G	TCC	-CAAGA	ACA	AAAG	ATG	TATTT	GCAA	GGAAG	G	T						
SARS-CoV-2 Reference Genome NC_045512.2	(11112)	T	GGGT	A	TT	ATTGCT	ATGT	---	CTG	GCTT	TGCA	AT	GAT	G	TTGT	CAAAC	A	TAA	GC	ATGC	ATTT	CTCT	GTTT	GTT					
											Section 158																		
	(11619)	11619	11630	11640	11650	11660	11670	11680	11692																				
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11019)	T	GCAGG	CCCT	CAC	AGCG	CCGT	TAGGG	A	ACT	CGT	TCCC	A	T	CCT	GGG	TAC	GGTAG	ATG	TAAC	T	CTTT	TGGT	CTG					
SARS-CoV-2 Reference Genome NC_045512.2	(11183)	T	TGTTA	CC	TCT	CTTGC	ACTGT	-----	AGCT	TAT	TTTT	A	TATG	GTC	TATAT	GCCTGC	TAGT	TGGG	TGAT	GCGT									
											Section 159																		
	(11693)	11693	11700	11710	11720	11730	11740	11750	11766																				
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11093)	A	GGCCC	AGA	A	GAT	TGGA	CGT	ACAT	TCT	TCT	CTCGG	CG	CT	TG	GGG	TGGGC	GCT	GAGAGC	CCAG	GG	TAG	GGG	ACGC					
SARS-CoV-2 Reference Genome NC_045512.2	(11252)	A	TTATG	ACAT	G	TGGA	TAT	GGT	TGAT	ACT	AGTTT	TGT	CT	--	GGT	TTTAA	GCT	AAA	AGC	TGT	GT	TAT	GT	ATGC					
											Section 160																		
	(11767)	11767	11780	11790	11800	11810	11820	11830	11840																				
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11167)	C	TGG	GTGA	G	ATG	GGG	AC	AGA	GAA	TT	GA	GACA	--	AGG	GAT	TGGC	TA	----	GAGGG	AGC	CG	GA	AGC	AGG	GAG	CA		
SARS-CoV-2 Reference Genome NC_045512.2	(11323)	A	TCA	GCT	-	G	TAGT	G	TTA	CTAA	TCC	TTAT	GACA	GC	A	GA	AACT	GTG	TAT	GAT	GAT	GGT	GC	TAG	G	AG	AGT	GT	GACA
											Section 161																		
	(11841)	11841	11850	11860	11870	11880	11890	11900	11914																				
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11235)	C	CCC	TGA	--	G	GCT	GAGTT	CT	TCCA	T	CT	GAT	GCCC	T	CT	GAGAC	TGGA	GC	TT	C	GAT	GTGC	CCAGC	TAG	CCATG	--		
SARS-CoV-2 Reference Genome NC_045512.2	(11396)	C	TTA	TGA	AT	G	CT	TGACA	CT	CGTT	TATA	A	AGTT	-	TATTA	TGGT	TAAT	GCT	TT	AGAT	CAAG	CCA	TTT	-	CCATG	TG			

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		Section 162							
	(11915)	11915	11920	11930	11940	11950	11960	11970	11988
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11305)	-G	G	A	C	A	G	A	C
SARS-CoV-2 Reference Genome NC_045512.2 (11467)		G	G	T	G	T	T	A	T
		Section 163							
	(11989)	11989	12000	12010	12020	12030	12040	12050	12062
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11375)	G	G	G	A	T	C	T	C
SARS-CoV-2 Reference Genome NC_045512.2 (11539)		T	G	T	T	T	A	T	G
		Section 164							
	(12063)	12063	12070	12080	12090	12100	12110	12120	12136
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11449)	G	C	C	A	T	C	T	C
SARS-CoV-2 Reference Genome NC_045512.2 (11609)		G	T	T	-	T	A	T	G
		Section 165							
	(12137)	12137	12150	12160	12170	12180	12190	12200	12210
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11518)	A	G	G	C	T	C	A	G
SARS-CoV-2 Reference Genome NC_045512.2 (11682)		T	G	A	C	T	T	G	T
		Section 166							
	(12211)	12211	12220	12230	12240	12250	12260	12270	12284
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11587)	T	C	C	T	T	G	A	T
SARS-CoV-2 Reference Genome NC_045512.2 (11756)		C	C	C	A	A	G	A	T
		Section 167							
	(12285)	12285	12290	12300	12310	12320	12330	12340	12358
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11658)	A	A	G	-	-	-	-	A
SARS-CoV-2 Reference Genome NC_045512.2 (11826)		A	A	G	T	A	G	T	A
		Section 168							
	(12359)	12359	12370	12380	12390	12400	12410	12420	12432
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(11720)	C	T	C	A	G	T	G	T
SARS-CoV-2 Reference Genome NC_045512.2 (11900)		C	T	C	A	G	T	G	T

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		Section 169							
	(12433)	12433	12440	12450	12460	12470	12480	12490	12506
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (11790)		-ACAC--CTG--GGCTTGCCCTGCC-GTTTTCTCTCTTTT-TCTGTTTFTTAGAGACTGAGTCTCACTGCTCT							
SARS-CoV-2 Reference Genome NC_045512.2 (11972)		GATACATACTGAAGCCTTGAAAAAATGGTTTCACTACTTTCTGTTTGCCTTCCATGCAGGGTG-CTGTAGACA							
		Section 170							
	(12507)	12507	12520	12530	12540	12550	12560	12570	12580
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (11857)		CAAACGCCAGGGCTCAAGCCATCT--CTGCCT--CAGCTTCTCAAG---TAGCCGG-GACTACAGGCACTGT							
SARS-CoV-2 Reference Genome NC_045512.2 (12045)		TAAACAAGCTTTGTGAAGAAATCTGGACAAACAGGGCAACCTTACAAGCTATAGCCCTCAGAGTTTGTTCCTT							
		Section 171							
	(12581)	12581	12590	12600	12610	12620	12630	12640	12654
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (11923)		CCACTATGCCCAGCTTTC-CACTTTTACAGAGTAGAGCAGCTGCCCTAAGCATTCCAGCCTTGGTTGAGCC							
SARS-CoV-2 Reference Genome NC_045512.2 (12119)		CCATCATATGCAGCTTTTGTACTGCTCAAGAAGCTTATGAGCAGGCTGTTGCTAATGGTGAATCTGAAGTTGT							
		Section 172							
	(12655)	12655	12660	12670	12680	12690	12700	12710	12728
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (11996)		AGCCTTTTTCCTAGATGTGTCGTGTTGGTAACATGGTGTCA-TCTAACCCAGCTGTTCCTATGCTGCACTGAT							
SARS-CoV-2 Reference Genome NC_045512.2 (12193)		TCTTAAAAAGTTGAAGAAGTCTTTGAATGTGGCTAAATCTGAATTGACCGTGTGTCAGCCATGCACCG----T							
		Section 173							
	(12729)	12729	12740	12750	12760	12770	12780	12790	12802
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (12069)		CATCCGATCACTGCAAGCTCAAGAAGTAAACACACATTCCTGAGGACCTCCCTCAGATTACTGAGTGAGA							
SARS-CoV-2 Reference Genome NC_045512.2 (12263)		AAGTTGGAAAAGATGGCT-GATCAAGCTATGACCCAATGTATAAACAGGCTAGATCTGAGGACAAAGGGCAA							
		Section 174							
	(12803)	12803	12810	12820	12830	12840	12850	12860	12876
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (12143)		ACCTCCAGGGGTGGGACCTGGAGATCCACTTTTTGAAAAGCTTATCAAGTGG--TTCGTATGA---CAGCCAC							
SARS-CoV-2 Reference Genome NC_045512.2 (12336)		AAGTTT-ACATGTGCTA--TGCAGACAATGCTTTTCACTATGCTTAGAAGTGGATTAATGATGCACTCAACAC							
		Section 175							
	(12877)	12877	12890	12900	12910	12920	12930	12940	12950
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (12212)		CFTTGGGAACAATGATTTAAGCAGGATTTGTTAATGAGAAATTAATCCTTTG-----GTGATGCT--T							
SARS-CoV-2 Reference Genome NC_045512.2 (12407)		ATTATC--AACAAATGCAAGA-GATGGTTGTGTTCCCTTGACATAATACCTTTACAACAGCAGCCAAACCTAAT							

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		Section 176																														
	(12951)	12951	12960	12970	12980	12990	13000	13010	13024																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12276)	GT	TGG	CCAA	AGTACA	ACA-AAC	CCCTCA	ACAGAC	ACTGTT	TGCTGGG	-----	TT--	TTGGG	GGGGA	AAAT	TAGA																
SARS-CoV-2 Reference Genome NC_045512.2	(12478)	GG	TTGT	CATACC	AGACTA	TAA	CATAT	AAAA	ATAC	GTGTG	TGATGG	TACA	ACAT	TTAC	TTAT	GCATC	AGCATTTGT															
		Section 177																														
	(13025)	13025	13030	13040	13050	13060	13070	13080	13098																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12340)	GGTAA	CCAA	AA	TGGGG	TGGCC	AA	AGCAAC	GCTGTGC	AAAGTT	CTGG	ACCTG	AGAGG	AGATC	-TGGG	AAGAA	CTCAG															
SARS-CoV-2 Reference Genome NC_045512.2	(12552)	GGGAA	ATCC	AA	CA	GGT	TG	TAGAT	GCA--	GATAGTA	AAATTG	TTC	AACT	TAGTGA	AAT	TAGTAT	GGACAA	ATTCAC														
		Section 178																														
	(13099)	13099	13110	13120	13130	13140	13150	13160	13172																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12413)	CGA	AAC	TCAGCA	CT-CC	ACCC	AGAG	CCCC	C	CAGCC	TGTGC	GAGG	ACGG	TGC	GTG	AGAGT	GGGTGG	AGG	GAGCTT													
SARS-CoV-2 Reference Genome NC_045512.2	(12624)	CT	AA	TTAGCA	TGG	CCT	CTT	ATT	G	TAA	CAGCTT	TAA	GG	CCA	ATT	C	TGCTGT	CAAT	TACAGAAT	AATGAGCTT												
		Section 179																														
	(13173)	13173	13180	13190	13200	13210	13220	13230	13246																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12486)	AT	TGG--	GCTCTC	CTGG	CC	CCTCAC	CT	GGAT	TGG	AAAG	GATC	CCGGG	ACGA	TGGGG	CAAG	TGATG	CC	ATGTCG													
SARS-CoV-2 Reference Genome NC_045512.2	(12698)	AG	T	CCTGT	TGCA	CT	AC	G	AC	AGATGT	CTTG	-TG	CTGCC	GGTAC	TACAC	AAAC	TGCTTGC	ACTGATG	CAATG	CGT												
		Section 180																														
	(13247)	13247	13260	13270	13280	13290	13300	13310	13320																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12558)	GT	G	CAT	TG	C--	CTT	CACA	--	AA	GC	GGA	AG	AAT	GT	GT	CAG	C	TCA	A	AGAAA	AG	CT	GCG	TGA	--	TGA	--	TGAAAT	CG		
SARS-CoV-2 Reference Genome NC_045512.2	(12771)	TAG	CT	T	ACTAC	AA	CACA	AC	AA	AG	GG	AG	T	AG	GT	T	TGTA	CT	TGC	A	CTGTT	AT	CC	GAT	TT	AC	AG	GA	TT	TGAAAT	GG	
		Section 181																														
	(13321)	13321	13330	13340	13350	13360	13370	13380	13394																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12624)	GCT	CCCGC	AGA	CACC	TTC	T	CCT	TCA	AGTG	CTTC	AGG	TCAGC	CT	CAA	AGCT	CC	CTG	CT	TC	GG	GGT	TGG	CCTT	TGG	G						
SARS-CoV-2 Reference Genome NC_045512.2	(12845)	GCT	-----	AGA	----	TTC	-	CCT	AAG	AGTGA	TGGA	AC	TGGTA	CT	ATCT	TATA	CAGAA	CT--	GG	AACCA	CCTT	G	TAG									
		Section 182																														
	(13395)	13395	13400	13410	13420	13430	13440	13450	13468																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12698)	GT	A	ACC	TG	CA	AT	AGG	GA	TG	ACA	GTC	AGGA	-	GAG	GCT	TGG	CC	AC	T	GT	T	CA	AG	G	CG	AGG	ATG	A	AGAG	ACCA	
SARS-CoV-2 Reference Genome NC_045512.2	(12907)	GT	TTGT	TAC	AG	AC	AC	ACC	TAA	AG	GTC	CTAA	AGT	GA	AGT	ATT	TAT	AC	T	TAT	T	AA	G	G	ATT	AA	CA	AC	CTA	ATA		

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		Section 183									
	(13469)	13469	13480	13490	13500	13510	13520	13530	13542		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12771)	CAGGG	ACTGGG	CAGAG	TCTCTG	CTTGG--GG	CTCTG	ATCTTGC	ACCTTC	CAACAG	
SARS-CoV-2 Reference Genome NC_045512.2	(12981)	GAGGT	ATGTACTT	GTAGT	TCTAG	CTGC	CACAG	TACGT	CTACA	AGCTG	
		Section 184									
	(13543)	13543	13550	13560	13570	13580	13590	13600	13616		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12843)	TGAAC	CTAAAAC	AGTGAG	TGGCTGG	CTCA	TGACTG	ATATGCT	TTCTG	ACC	
SARS-CoV-2 Reference Genome NC_045512.2	(13052)	AATT	CAACTGT	ATATATC	TTCTG	TGCTTT	TGCTGT	AGATG	CTG	CTA	
		Section 185									
	(13617)	13617	13630	13640	13650	13660	13670	13680	13690		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12917)	GCTCAG	AGCC	CAGTT	CCAA	AGGTG	GGGGT	GGA	TTGCT	TCC	
SARS-CoV-2 Reference Genome NC_045512.2	(13125)	GGGG	ACAA	CCAA	TCACT	AAATT	GTG	TTAAG	ATGTTG	TGT	
		Section 186									
	(13691)	13691	13700	13710	13720	13730	13740	13750	13764		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(12991)	AAATCAG	GCC	TGCAC	TTGGT	GGCC	ATAG	AAAG	AGAA	AATG	
SARS-CoV-2 Reference Genome NC_045512.2	(13190)	A---	CAGT--	TACAC	CGG	AAGC	CAATA	TGG	ATCA--	AGAAT	
		Section 187									
	(13765)	13765	13770	13780	13790	13800	13810	13820	13838		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(13064)	GTAGTA	AGCT	TTGACT	TTCT	CTCTAG	GCACC	GGATT	AAACAT	TGT	
SARS-CoV-2 Reference Genome NC_045512.2	(13257)	GT	TGCC	ACAT	AGATCA	TCC	AAATCCT	AAAGG	ATTG--	TGAC	
		Section 188									
	(13839)	13839	13850	13860	13870	13880	13890	13900	13912		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(13138)	C	CAAG	AT	GTG	AA	AA	GCT	AAAA	ACCA	
SARS-CoV-2 Reference Genome NC_045512.2	(13325)	A	CAAC	CT	T--GTG	CT	AA	TG--A	CCCT	GTGG	
		Section 189									
	(13913)	13913	13920	13930	13940	13950	13960	13970	13986		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(13212)	TAA	TGG	ATGGC	AG	GGT	GCG	GTG	GC	TCA	
SARS-CoV-2 Reference Genome NC_045512.2	(13396)	AGG	TT--	ATGGC	TG	TA--G	TTGTG	A--TCA	AC	TC	

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		Section 190														
		(13987)	13987	14000	14010	14020	14030	14040	14050	14060						
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(13284)	CTGA	GGTCA	GGA	GTTCG	AGAC	CAGCCT	GGCA	ACATG	GTAAAA	CCCGT	CTCTACC	AAAAAT	ACAAAAAT	TAGC
SARS-CoV-2 Reference Genome NC_045512.2	(13466)		AACG	GGT	TTT	GCG	GTGTA	AGTG	CAGCC	CGT	CTT	ACA	CCGT	GCGG	CACAG	GCACTAGTACTGATGTCG----TATA
		Section 191														
		(14061)	14061	14070	14080	14090	14100	14110	14120	14134						
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(13358)	CAGG	TGTGG	TGGTGT	TATGC	CTGT	AATAG	CTACTC	AGAG	GCTG	AGTCAG	GAA	AAATTG	CTTG	AACCCACGAG
SARS-CoV-2 Reference Genome NC_045512.2	(13536)		CAGG	GCTTT	TGACA	CTTAC	----	AAT	GATA	----	AAGTA	GCTG	GTTT	GCT	AAATTCT	AAACCTAATTGTTG
		Section 192														
		(14135)	14135	14140	14150	14160	14170	14180	14190	14208						
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(13432)	GAG	GGTTG	CAGTGA	AGCCGA	GA	TTCGT	TACCAT	TGCA	CTCT	AGC	CTGGG	CAACG	AG--	AGCGAAACTCCGCTCTCAA
SARS-CoV-2 Reference Genome NC_045512.2	(13602)		TC	GCTT	CCAGAA	AAGGAC	GA	AGAT	TGACAA	ATT	T	AATG	ATTCT	TACTTTGT	AGTTA	AGAGACACACCTTCTCTTA
		Section 193														
		(14209)	14209	14220	14230	14240	14250	14260	14270	14282						
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(13502)	AAAA	AAAA	AAAA	AAAA	GAAT	GAAAA	GAA	TACAG	AA	ACTCCT	TT	CAAA	TGT	--CCAAA
SARS-CoV-2 Reference Genome NC_045512.2	(13676)		ACT	ACC	AA	ATG	AA	GAAC	CAAT	TT	TATA	AATT	TAC	TT	AA	GGATTGTC
		Section 194														
		(14283)	14283	14290	14300	14310	14320	14330	14340	14356						
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(13574)	AAA	AGG	ATCC	ACCATA	GGTGA	GT	TGT	TTTGT	TT	TG	TT	TCA	GAGA	GACAGG
SARS-CoV-2 Reference Genome NC_045512.2	(13750)		TTT	AGA	AT	AGAC	----	GGTGA	CAT	GGT	ACCACAT	TA	TAT	CA	ACGT	CAACGTCTTTACTAAATACACA
		Section 195														
		(14357)	14357	14370	14380	14390	14400	14410	14420	14430						
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(13648)	-----	G	TGC	AGT	GATACA	CAAT	C--	ATG	--	GCT	CAC	TGT	AG	C--
SARS-CoV-2 Reference Genome NC_045512.2	(13818)		CCT	CGT	CTA	TGC	TTT	AA	GG	CA	TTT	GATG	AAG	GT	TAAT	TGTGACACATTTAAAA
		Section 196														
		(14431)	14431	14440	14450	14460	14470	14480	14490	14504						
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(13700)	GAT	CT	CCCAC	T--	TCAG	TCTCCT	TGAGT	AG--	CT	TG	GACT	ACA--	GAT	GCAAG
SARS-CoV-2 Reference Genome NC_045512.2	(13892)		GT	TG	TGATGA	TGA	TAT	TCAAT	TAAAA	AG	GACT	GGT	ATG	ATTTT	GTA	GAAACCCAGAT

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		Section 197							
	(14505)	14505	14510	14520	14530	14540	14550	14560	14578
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(13767)	AAA	AAATT	TTT	TTAA	T---	TA	ATTATTTA	TTTTTTAGAGATG
SARS-CoV-2 Reference Genome NC_045512.2 (13966)		GCC	AACTT	AGGTGA	CGTGTACG	CAAGC	TTTGTTA	AAACAGT	TACAATCTCTGTCAGG
		Section 198							
	(14579)	14579	14590	14600	14610	14620	14630	14640	14652
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(13837)	AAC	TTCTGGG	GCTCAAG	CAATCCT	CCCAC	CTTGCC	CTCC--	AAAGTGCTGAGATTACAG
SARS-CoV-2 Reference Genome NC_045512.2 (14040)		TAT	TGTGGT	GTACTG	ACATAG	ATAATCAA	GATCTC	AATGGTAACT	GGTATGATTTCG
		Section 199							
	(14653)	14653	14660	14670	14680	14690	14700	14710	14726
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(13908)	ACC	CAGCC	CCC	TAGTGA	AGTTCT	TTAT	T-TAG--	TCATATTCTGTGTTGTTTCT
SARS-CoV-2 Reference Genome NC_045512.2 (14113)		ACC	ACGCC	AGGTAG	TGTG	TAGATTC	TATTAT	TCATTGTT	---AATGCTATATTAACTT--G
		Section 200							
	(14727)	14727	14740	14750	14760	14770	14780	14790	14800
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(13979)	TT	CAGAG	AGCTGG	CT--	AGAGT	-AC	TATAAGC	CACTCACAAACAAATGAGCTC
SARS-CoV-2 Reference Genome NC_045512.2 (14182)		AC	CAGGG	CTTTAA	CTGC	AGAGT	ACAT	GTGACACT	GTAAACAAAGCCTTACATTAAGTGGGATTTGTTAA
		Section 201							
	(14801)	14801	14810	14820	14830	14840	14850	14860	14874
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14044)	AC	AGGGGC	AGTGG	ATGCTGA	AGACAA	GATTC	CAGAA	TTGC---TTAGGAGGTGGGATCAGATGT--C--CCAT
SARS-CoV-2 Reference Genome NC_045512.2 (14256)		AT	ATGACT	TCACG	GAAGA	GAGGTT	AAAAC	TC	TTTGACGTTATTTAATATGGGATCAGACATACACCA
		Section 202							
	(14875)	14875	14880	14890	14900	14910	14920	14930	14948
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14110)	AGG	CTCTT	ACTG	GC	CTCTG	TGA-	ACTCT	CTGACCCCTTTCTCAATGACTTAACTT--ACTAGCCGCTTGCTC
SARS-CoV-2 Reference Genome NC_045512.2 (14330)		ATT	GTGTAA	ACTG	TTTGGA	TGAC	AGATG	CATTCTG	CAATTGTGCAAACTTTAA
		Section 203							
	(14949)	14949	14960	14970	14980	14990	15000	15010	15022
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14181)	GGT	CAGG	CAAG	CA--	GGA	TGAC	CATAG	GCCTTCATGAAAC
SARS-CoV-2 Reference Genome NC_045512.2 (14404)		CCA	CTACAAG	TTTTGGA	CCACT	AGTG	GAGAAAA	ATATTG	TTGATGGTTCATTTGTAGTTTCAACTGGA

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		Section 204																															
	(15023)	15023	15030	15040	15050	15060	15070	15080	15096																								
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14250)	CCA	GGG	CAG	GACT	CT	GAG	CCAGG	CGG	AAGGC	CA	AGCT	TG	CT	TTTG	CT	CTG	ATA	AGGC	-	AG	TTCCGT	T	CT	TTA	AGAA							
SARS-CoV-2 Reference Genome NC_045512.2 (14478)		CCA	CTT	CAG	AGAG	CT	AG	G	TGTT	G	TAC	ATAAT	CAG	GATG	-	TAAA	CT	TAC	ATA	GCT	C	TA	GACTTAG	T	TTA	AGGAA							
		Section 205																															
	(15097)	15097	15110	15120	15130	15140	15150	15160	15170																								
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14323)	C	--	CCA	GAGT	CAT	CA	AAAAA	A	TGAATA	TA	AAA	AC	TAT	T	GTT	TTC	AAGG	GGTAA	GGG	AG	TGGGG	GATA	AA	-	GCAAT	G						
SARS-CoV-2 Reference Genome NC_045512.2 (14551)		TTA	C	TTT	G	T	G	T	ATG	C	TGCTGA	A	CCCTGC	TA	TGC	AC	GCT	T	-	G	TTC	T	--	GGTAA	TCT	AT	T	ACTA	GATA	AA	C	GCA	CTA
		Section 206																															
	(15171)	15171	15180	15190	15200	15210	15220	15230	15244																								
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14394)	-	GG	GCTT	CA	CAC	T	---	TGCA	ATA	AAC	AAA	G	CT	ATT	TT	C	CAG	TAGG	AA	TT	TCAG	AAA	CAAC	AA	GGCT	TTTT	TA	ATA				
SARS-CoV-2 Reference Genome NC_045512.2 (14621)		C	G	T	GCTT	TT	CAG	T	AGC	TGCA	CT	TAC	TAA	-	CAAT	G	TT	G	CTTT	TCAA	AC	TG	TCAA	ACC	CGGT	AA	---	TTTT	TAA	CA			
		Section 207																															
	(15245)	15245	15250	15260	15270	15280	15290	15300	15318																								
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14464)	G	CT	GA	AAAG	TAT	AG	CTA	--	CAAT	TAC	CTAA	ATA	T	CA	C	GAA	ACAA	ATCT	AGCA	TT	TGAT	TT	ACG	TAT	AGATT	TT	GC	T				
SARS-CoV-2 Reference Genome NC_045512.2 (14690)		AA	-	GA	CTTC	TAT	GAC	CT	TTG	CT	TGT	GT	CTAA	GGG	TTT	C	TTT	AAGG	AAGG	AAGT	T	CTGT	TGA	AT	TAA	AACAC	TT	CT	T				
		Section 208																															
	(15319)	15319	15330	15340	15350	15360	15370	15380	15392																								
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14536)	A	TTT	A	CTC	TATT	TT	CT	AT	CA	TG	--	AA	CAGC	--	TG	AGG	G	CT	TTCT	TTT	TTA	AAAT	G	TTTTT	ATTTT	TT	TGT	AGAG				
SARS-CoV-2 Reference Genome NC_045512.2 (14763)		C	TTT	G	CTC	AGGA	T	GGTA	AT	GC	TG	CT	AT	CAGC	GAT	TAT	GACT	ACTA	TCG	TTA	T	AATC	TACCA	ACAA	T	G	TGT	GATA					
		Section 209																															
	(15393)	15393	15400	15410	15420	15430	15440	15450	15466																								
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14606)	A	CA	CGGTCTC	ACT	G	TG	TTG	CCCAGG	CT	GGT	C	TTGAT	CTCCTGCC	TCAGT	CT	CCCAAG	CT	TCTGG	GAT	TAC	AGGC											
SARS-CoV-2 Reference Genome NC_045512.2 (14837)		T	CA	GACAACT	ACT	AT	-	TTG	TAGTT	GAA	G	TTG	TTGAT	AAGTACTT	TGAT	TG	TACGAT	G	TGGCT	GTATTA	AT	GC											
		Section 210																															
	(15467)	15467	15480	15490	15500	15510	15520	15530	15540																								
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14680)	A	TG	AG	CTAC	-	CAT	GCC	CAACA	GGT	TGG	TGTTTT	CTAATC	CA	CT	CAT	C	TTC	-	ATT	ACCC	ACT	TGATAAG	C	AAAGT								
SARS-CoV-2 Reference Genome NC_045512.2 (14910)		-	TAA	CAAGT	CAT	CGT	CAACA	ACC	TAGA	----	CAAATC	AG	CTGG	TTTTC	ATT	TAAT	AAA	TGGG	--	GT	AAGG	C											

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		Section 211																														
	(15541)	15541	15550	15560	15570	15580	15590	15600	15614																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14752)	AAGA	AACC	ATT	CA	GCAA	CTG	TGAG	CT	CAC	AG	CT	TCA	----	CTAG	TTTC	CA	AT	CATT	ATC	ACC	TAA	CGC	CC	ATC							
SARS-CoV-2 Reference Genome NC_045512.2	(14976)	TAGA	CTTT	ATT	AT	GATT	CAA	TGAG	TT	ATG	AG	GA	TCA	AGATG	CACT	TTTC	GC	AT	ATAC	AAA	ACG	TAA	TGT	C	-ATC							
		Section 212																														
	(15615)	15615	15620	15630	15640	15650	15660	15670	15688																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14821)	A	CGGG	TGC	ATA	TTC	C	CCCA	GTA	ACT	GAC	-	TAT	---	ATA	ATG	GC	TG	AT	ACA	AG	CG	AT	GAC	ATT	TAA	CAG	TG	GA			
SARS-CoV-2 Reference Genome NC_045512.2	(15049)	C	CTAC	T	--	ATA	ACT	C	AAAT	GAA	TCT	TA	AG	TAT	GCC	ATT	AGT	GC	AA	GA	AT	AG	AG	CT	CG	CA	CCG	TAG	CT	GG	TG	TC
		Section 213																														
	(15689)	15689	15700	15710	15720	15730	15740	15750	15762																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14891)	AA	TG	TCTGT	---	T	CT	C	TGAC	TCC	TA	AT	CAGT	G-	CT	TC	CC	AG	ACT	TAGC	ACC	TAA	AC	ACCC	CT	GT	TG	AC	AG	A	TG	
SARS-CoV-2 Reference Genome NC_045512.2	(15121)	TC	T	ATCTGT	AGTA	CT	A	TGAC	CAA	TAG	A	CAGT	TT	CATC	AAA	AAT	TATT	G	AAA	TCA	AT	AG	CC	GCC	ACT	AG	AG	G	AGC			
		Section 214																														
	(15763)	15763	15770	15780	15790	15800	15810	15820	15836																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(14961)	G	AC	TGT	CCAT	CGG	GG	GTT	AGG	GA	CAA	GGC	CAA	GT	--	TACT	CACA	ACAT	GT	---	AA	TTT	TTC	TT	GA	AG	CC	AC	GT			
SARS-CoV-2 Reference Genome NC_045512.2	(15195)	T	AC	-TGT	AGTA	AATT	GG	AAC	AG	CA	-AA	TTCT	ATG	GT	GG	TGG	CACA	ACAT	GT	TAA	AA	AC	TGT	TT	AT	AG	TG	AT	GT			
		Section 215																														
	(15837)	15837	15850	15860	15870	15880	15890	15900	15910																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15030)	G	TTT	TGTTT	TTT	GGG	TT	TT	TT	GTT	TT	GTT	TT	TTT	TG	AG	ACG	GA	GT	CT	GG	CTC	T	GT	TT	GCC	CAG	G	CTA	CAG	TGC	AT
SARS-CoV-2 Reference Genome NC_045512.2	(15267)	AG	AAA	ACCC	T	CACC-	TT	AT	T	GG	GTT	GG	GATT	AT	CC	TAA	ATGT	GA	-----	TAG	A	GCC	AT	GC	CTA	ACA	TG	CT	T			
		Section 216																														
	(15911)	15911	15920	15930	15940	15950	15960	15970	15984																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15104)	T	GGT	GCGA	T	C	T	C	GG	CTCA	CT	GCAA	G	TC	CGC	CTC	CTGG	GTT	CAA	G	C	GATT	CTC	C	TG	CCTC	AGC	CT	TAC	CA	AGTAG	
SARS-CoV-2 Reference Genome NC_045512.2	(15331)	AG	AAT	---	TAT	T	G	G	C	CTCA	CT	T	---	G	T	TC	TTG	CTC	G	-----	CAA	AC	ATAC	AA	CG	TG	TTGT	AGCT	TGT	CA	CACCG	
		Section 217																														
	(15985)	15985	15990	16000	16010	16020	16030	16040	16058																							
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15178)	C	TGGG	ACT	AC	AGG	CA	GCG	CC	ACCA	TGC	C	GGC	TA	AT	TTTT	TG	AT	TTTT	TAG	TAG	AG	AC	GG	GGTT	T-	CAC	TATGT				
SARS-CoV-2 Reference Genome NC_045512.2	(15393)	T	TTCT	A-	TAG	ATTAG	C	TAAT	GAGTG	TGCT	CAAG	TAT	TGAG	TGAA	ATGG	TCA	T-GT	GTG	GC	GGTT	CA	CTA	TATGT									

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		Section 218																									
	(16059)	16059	16070	16080	16090	16100	16110	16120	16132																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15251)	TGGACAGGATGGTCTCAA	ACTCTCTGATCTCATG	ATCCACCCGCCCTTG	GCCTCCCAAAGTGC	TGGGAT	TATAGGC																				
SARS-CoV-2 Reference Genome NC_045512.2	(15465)	TAAACAGGTGG-----	AACTCTCATCAGGAG	ATGCCACACTGCTTAT	GCTAGTA--ATAGTGT	T-----	TTTACA																				
		Section 219																									
	(16133)	16133	16140	16150	16160	16170	16180	16190	16206																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15325)	TTTCAGGCACCGCACCT	GGCCCTTTT	TTT	TTT	TTAGT	TCA	TATCACTT	TATGATGCTA	CTCCATAAC--																	
SARS-CoV-2 Reference Genome NC_045512.2	(15527)	TTTGTCAAGCTGTCTAC	GGCCAA	TGTTAA	TGCAC	TTT	TATCTACT	T--GATGG	TAA	CAAAAT	TG	CCG	ATA	AGT	ATG												
		Section 220																									
	(16207)	16207	16220	16230	16240	16250	16260	16270	16280																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15396)	TTTAATAT	AA	AA	TGGT	AGGA	TTTCT	CCCA	GAA	TAT	TG	C	AAAA	AAC	TGT	CAT	CC	CAGA	AAA	TGTG	CC	AAT	C				
SARS-CoV-2 Reference Genome NC_045512.2	(15599)	TCCGCAAT	TTA	CA	ACAC	AGAC	TTTAT	TAG	GTCT	CTA	T	A	G	AA	T	A	G	A	T	G	T	G	A	T			
		Section 221																									
	(16281)	16281	16290	16300	16310	16320	16330	16340	16354																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15469)	CCGGGACTTCT	CTGTCCC	TGGT	GCACAC	TG	TCT	TGCC	A	TACC	TGAG	CG	CTGT	CTG	A	GAC	GC	TGAG	GG	GCT	CAAT						
SARS-CoV-2 Reference Genome NC_045512.2	(15670)	--GAGTTT	TAC	GCATAT	TTGC	GTAA	ACAT	TTTCT	CAAT	GATGA	TACT	CT	CTGA	CGAT	GCT	GT	TGT	GT	TT	CAAT							
		Section 222																									
	(16355)	16355	16360	16370	16380	16390	16400	16410	16428																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15541)	GC	CA	GCCT	T	CAGCT	TCAAGG	GTGG	GAG	AGA	AG	TCC	AA	CCC	AC	CCAT	TTTCT	GT	TGGG	GGAAC	CT	GG	TCTT	GTGGC			
SARS-CoV-2 Reference Genome NC_045512.2	(15742)	AG	CA	CTTA	T	GCATC	TCAAGG	TCTAG	T	GGCT	AG	CAT	AA	AGA	AC	---	TTTAA	GT	-----	CAGT	TCTT	TATTA					
		Section 223																									
	(16429)	16429	16440	16450	16460	16470	16480	16490	16502																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15615)	TGTGGC	CAATG	GTGA	TTCTCT	TTT	CCT	GGGAA	TTTG	GAAC	GAGG	CTGT	CCATT	AG	CTGG	GGA	CTGG	CTGG									
SARS-CoV-2 Reference Genome NC_045512.2	(15804)	TCAAAA	CAATG	TTT	TTAT	GTCT	TGAAG	GCA	AAAT	TGTT	GGAC	TGAG	AC	TGAC	CTTA	CTAAA	GGA	CT	---	CATG							
		Section 224																									
	(16503)	16503	16510	16520	16530	16540	16550	16560	16576																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(15688)	AACT	GACA	CTCT	GCACA	CTCAGG	AGC	AGGT	GTGTG	GAAA	AGC	ATGG	GTA	CAGG	TCT	---	CCCAGAT	GAA	G								
SARS-CoV-2 Reference Genome NC_045512.2	(15872)	AA	T	TTG	---	CTCT	CAACA	TACA	ATGCT	AGTTA	AACA	G	GTG	---	ATG	ATT	ATGT	GTA	C	CTT	CCT	T	---	CCCAGAT	CC	A	T

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		Section 225							
	(16577)	16577	16590	16600	16610	16620	16630	16640	16650
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (15761)		CACAGATGTGCAGTGGGAA	GCAGAGATG--GGG	GACCCGTGGCCCC	CAGAGG	-----A	ATGAGG	GAGG	GCC
SARS-CoV-2 Reference Genome NC_045512.2 (15944)		CA-AGATCCTAGGGCCGCTGTTTGTAGATGATATC	GTAAAAA	CAGATGG	TACACTT	ATGATT	GAC	GT	
		Section 226							
	(16651)	16651	16660	16670	16680	16690	16700	16710	16724
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (15827)		TGCTTTTGAACCTCTTCCAG	TGCCTTGTGAGGTCT	GAGGCCATC	TCCTGATC	TTGGGT	TCCCTG	CCC	TCTGGA
SARS-CoV-2 Reference Genome NC_045512.2 (16017)		CGTGTCTTAGCTATAGA--	TGCTTACCA	---CTT	ACTAAACA	TCCTATC	AGGAGT	ATGCTG	ATGCTTCA
		Section 227							
	(16725)	16725	16730	16740	16750	16760	16770	16780	16798
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (15901)		TC--CTGTTAG--TAAATATCCCTCTTTTG	TGGGTGTTGTTTTTTTTTTTTTT	TTTTT	GAGATG	GAGTCT	GTCT		
SARS-CoV-2 Reference Genome NC_045512.2 (16086)		TTGTGACTTACAAATACATAAGAAAGC	TACATGATGAGTT	AACAGGACACA	TGTTA-GA	ATGTAT	TCT-GT	AT	
		Section 228							
	(16799)	16799	16810	16820	16830	16840	16850	16860	16872
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (15971)		GGC-ACTGAGGCTGG-ACTGCAGCGGCACCA	TCTCGGCTCACTGC	AACCTCCGCC	TCTTGGGT	CCAAGAG	ATT		
SARS-CoV-2 Reference Genome NC_045512.2 (16158)		GGCTTACTAATGATAACACTTCAAG	-----TATTGGG	-----AACCT	GAGTTT	TATGAGG	CTATGT	-ACAC	
		Section 229							
	(16873)	16873	16880	16890	16900	16910	16920	16930	16946
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16043)		TCTGGCTCAGCTCCTGAGTAGCTGGGACTACAG	--CCGTGCACCA	C-CACACCTGGC	TAAATT	TTTG	TATT	TT	
SARS-CoV-2 Reference Genome NC_045512.2 (16218)		ACCGCATA	CAGTCTTACAGGCTGTGGGGCTTGTGTT	CTTTGCAATT	CACAGACT	TCAT	TAA	GATG	TGTC
		Section 230							
	(16947)	16947	16960	16970	16980	16990	17000	17010	17020
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16114)		TAGTAGAGACGGGT	TTCGC	TATGTTGGCCAGGCAGGTCTCA	--AACTCCTG	---ACCTCAGG	TGATCTG	--C	
SARS-CoV-2 Reference Genome NC_045512.2 (16292)		GCA	TACGTAGACCA	TTC	TATGTTGTAAATGCTGT	TACGACC	ATGTCATATCA	ACATCA	CATAAATAGTCT
		Section 231							
	(17021)	17021	17030	17040	17050	17060	17070	17080	17094
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16181)		TGCCTCGGCC	TCCCAAGTGT	TGGG-GTTA	CAGGT-GTGA	-GCCACGCGCCCA	GACCCTCTTT	CGTTT	TAA
SARS-CoV-2 Reference Genome NC_045512.2 (16364)		TGTCTGTTAA	TCCGTATGT	TGCAATGCTC	CAGGTGTGA	TGTACAGATGT	--GACTCAA	CTTTAC	TTAGGA

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		Section 232							
	(17095)	17095	17100	17110	17120	17130	17140	17150	17168
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16252)		G	A	A	A	G	A	A	G
SARS-CoV-2 Reference Genome NC_045512.2 (16436)		G	-----	T	A	T	G	A	G
		Section 233							
	(17169)	17169	17180	17190	17200	17210	17220	17230	17242
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16326)		G	C	C	C	A	G	G	A
SARS-CoV-2 Reference Genome NC_045512.2 (16492)		A	A	T	G	G	A	C	A
		Section 234							
	(17243)	17243	17250	17260	17270	17280	17290	17300	17316
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16396)		C	C	A	G	C	A	T	G
SARS-CoV-2 Reference Genome NC_045512.2 (16564)		G	C	A	C	A	T	G	C
		Section 235							
	(17317)	17317	17330	17340	17350	17360	17370	17380	17390
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16467)		C	A	G	C	T	C	C	C
SARS-CoV-2 Reference Genome NC_045512.2 (16635)		T	-	G	C	A	G	A	A
		Section 236							
	(17391)	17391	17400	17410	17420	17430	17440	17450	17464
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16541)		C	C	A	A	C	T	C	C
SARS-CoV-2 Reference Genome NC_045512.2 (16701)		T	G	A	A	G	T	G	T
		Section 237							
	(17465)	17465	17470	17480	17490	17500	17510	17520	17538
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16615)		A	C	C	T	T	A	C	T
SARS-CoV-2 Reference Genome NC_045512.2 (16768)		C	G	A	A	T	T	A	T
		Section 238							
	(17539)	17539	17550	17560	17570	17580	17590	17600	17612
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (16689)		C	C	C	T	C	T	A	C
SARS-CoV-2 Reference Genome NC_045512.2 (16840)		A	A	A	G	T	G	A	T

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		Section 239									
	(17613)	17613	17620	17630	17640	17650	17660	17670	17686		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(16763)	CGTCTCTTCTTAGC	ACTTGGTAAG	ACAGCAGGAGGGAA	AAAA	GCAGC	C-CAC	AGTTC	CAATATTCA	CTGC	ATGC
SARS-CoV-2 Reference Genome NC_045512.2 (16904)		ATTATTTTGTGCTG	ACATCACAT	ACAGTAATGCCATT	AA	GTGCAC	CTACAC	AGTGC	CAACAAGAG	CACT	ATGC
		Section 240									
	(17687)	17687	17700	17710	17720	17730	17740	17750 17760			
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(16836)	TGACCCCTGTG	CTGGCGGTGGAGA	ATAGGAGA	CCACCGCTGCT	TCTCACCG	GTGCCTG	GAGGA	TTGG	AGAGCCCT	TT
SARS-CoV-2 Reference Genome NC_045512.2 (16977)		TAGAAAT-TA	CTGGCTT-----	ATAC----	CCAACA	CTCAATATCT	CAGAT----	GAGTT	TTCT	AGCAATG	TT
		Section 241									
	(17761)	17761	17770	17780	17790	17800	17810	17820	17834		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(16910)	CGCTACCTCTACCTG	GGCATGCC	TGCACCCCTCTC	CC--CATC	CCACGGC	CTTGGG	GCTC	CTGCCTCCT	GG	GAGA
SARS-CoV-2 Reference Genome NC_045512.2 (17035)		GGAAT-TTAT	CAAAA	GGTTGT	TATGCA	AAAGTATTTCTA	CACTCCAGGGA	CACCTG	GTACTG	GTAA--	GATCA
		Section 242									
	(17835)	17835	17840	17850	17860	17870	17880	17890	17908		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(16982)	ATTTTCTACTCAT	CTCAAG-TGA	AGGGGTCTTG	TGGTAGGGAG	CACGAGGCC	ATAG-GAT	CCCA	CCCAT	CAGGC	
SARS-CoV-2 Reference Genome NC_045512.2 (17106)		TTTTGCTATTGGC	CTAGCTCTCT	ACTACCCTTG	CTGCTCG----	CATAGTGT	ATACAGCT	TGCTCT	CATGCC	GC	
		Section 243									
	(17909)	17909	17920	17930	17940	17950	17960	17970	17982		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(17054)	TCCCTCTTCC	CACCTCTTAGGT	GGCTGACAA	CAGCGGG	CACCAGAGGCC	TGACCGGCT	ATTCTCA	CTCTG	GAT	
SARS-CoV-2 Reference Genome NC_045512.2 (17175)		TGTTGATGCA	CTATGTGAGAA	GGCATTA	AAAAATATTT	GCTATAGATAAA	TGTAGTAGA	ATTATAC	CTGCACG	-T	
		Section 244									
	(17983)	17983	17990	18000	18010	18020	18030	18040	18056		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(17128)	ACTCTGTGTA	CTCTGTGATTGG	GCCAAGTGCTGG	GTGAGC	CAGCAATC	GATGCAGT	--GGTG	TAGCAAG	GCAG	
SARS-CoV-2 Reference Genome NC_045512.2 (17248)		GCTCGTGTAG	GAGTGTTTT---	GATAAATTCAAA	GTGAATTCA	CACTAGAA	-CAGTAT	GTCTTTT	GTACT	GTAA	
		Section 245									
	(18057)	18057	18070	18080	18090	18100	18110	18120	18130		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(17200)	AGGGTTATCAG	GCCGCGACTGCA	TTCTTGACG	GAACTCCTATG	TCGAGGTCAA	GAGGTGG	AAAGAGG	TGCT	-GC	
SARS-CoV-2 Reference Genome NC_045512.2 (17318)		ATGCATTGCTG	GAGACGACAGCA	GATATAGTTGT-	CTTTGATGAA	-ATTTCAA	TGGCCAC	AAATTA	TGATT	TGA	

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		(18131)	18131	18140	18150	18160	18170	18180	18190	18204																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Homo sapiens chromosome 1 NC_000001.11: 11783698-...		(17273)	C	TGT	G	TGT	G	GGT	G	C	CAG	G	A	T	G	A	C	T	C	A	C	C	C	A	C	A	T	G	C	C	T	A	C	T	G	G	C	G	G	G	A	T	G	G	G	A	T	C	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
SARS-CoV-2 Reference Genome NC_045512.2		(17390)	G	TGT	-	TGT	C	A	A	T	G	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T	A	C	C	A	G	-	A	T	T

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		(18649)	18649	18660	18670	18680	18690	18700	18710	18722																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Homo sapiens chromosome 1 NC_000001.11: 11783698-...		(17779)	T	T	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G

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			Section 260													
			(19167)	19167	19180	19190	19200	19210	19220	19230	19240					
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(18285)	GAATA	TGACGGC	AGCTGG	TTCCACAGAAC	TTAGAAC	AGTGCC	TGGTGTACAA	ACCGAATAC	TCAGTATATGT					
SARS-CoV-2 Reference Genome NC_045512.2	(18353)		TACCT	TTACAGCT	AGGT	TTTCTACAGGTG	TTAACCT	AGT---	TGCTGTACCT	ACAGGTAT	TGTGATACACCT					
			Section 261													
			(19241)	19241	19250	19260	19270	19280	19290	19300	19314					
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(18357)	GAGGTGCCG	TTATAATCA	CTATTACAGAG	GTAAGA	CACAAACACAGC	--GCTATCAT	TTTGTGTGAG	AGCAGC						
SARS-CoV-2 Reference Genome NC_045512.2	(18424)		AA-----	TAATACAGAT	TTTTC	CAGAGTTAGTG	CTAAACACACGC	CTG	GAGATCAATTT	A-----	AACACC					
			Section 262													
			(19315)	19315	19320	19330	19340	19350	19360	19370	19388					
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(18428)	ACTTCAG	ACTT---	TTCA	CAGCGCTTG	CTG---	TTATATATC	TCAGGTGAG	TTAAGACATCAT	GATTGAGAGT					
SARS-CoV-2 Reference Genome NC_045512.2	(18485)		TCATACC	ACTTATG	TACA	AAGGACTTCT	TGTGAA	TGTAGT	TCGTATAAA	GATTGTACAA	ATGTAAGTGACACA					
			Section 263													
			(19389)	19389	19400	19410	19420	19430	19440	19450	19462					
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(18496)	TAGGGG	AATGCTAA	CTGTG	GCAAGCA	CAGCC	TCGCTG	TAGGAA	CAGTTAG	GAAGAGAGG	GTGAGCAGACTCACT				
SARS-CoV-2 Reference Genome NC_045512.2	(18559)		CTTAA	AATCT---	CTCTGA	CAGAGT	CGTATT	TGTCTAT	TGGC	CATG	GCTTTGAGTT	GACATCTATGAAGTA				
			Section 264													
			(19463)	19463	19470	19480	19490	19500	19510	19520	19536					
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(18568)	TTCTTT	TCATGCC	ACCC	CCCAAGC	---CCTGT	GCAGC	AGCTTACAGTTA	TGCG	AGACCAAGG	CCAAG--TTCCG				
SARS-CoV-2 Reference Genome NC_045512.2	(18630)		TTT	TGTGA	AAATAGGA	CC	TGAGGCA	CCTGT	TGTCTATG	TGATAGACG	TGCCACATG	CTTTCCACTGCTTCAG				
			Section 265													
			(19537)	19537	19550	19560	19570	19580	19590	19600	19610					
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(18635)	AAACGAGACT	CAAAAAAA	AGCCT	GGATGTG	CA--C	GAGTACT	TGTGTTA	CAAGCTAT	CACGGTGT	TATTTAA				
SARS-CoV-2 Reference Genome NC_045512.2	(18704)		ACACTTATGC	CTGTTGGC	ATCAT	TCTATTG	GATTTGAT	TACGTCTATA	ATCCGTTTAT	GATTGAT	TGTTCAC	AA				
			Section 266													
			(19611)	19611	19620	19630	19640	19650	19660	19670	19684					
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(18706)	CATCC	TTGTG	CAATT	TAAACT	TCAAA--	AAC	TTGGAG	TGACAC	GTGAGAC	GTGCATACA	GTAAAGG	CATAAAC		
SARS-CoV-2 Reference Genome NC_045512.2	(18778)		TGGGG	TTT	TACAGG	TAACT	CAAA	GC	AAC	CATGATC	TGATTGT	CAA--	GTCCATG--	GTAA	TGCA	CATGTAG

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		Section 267									
		(19685)	19685	19690	19700	19710	19720	19730	19740	19758	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (18778)		T	T	A	A	A	A	A	A	A	
SARS-CoV-2 Reference Genome NC_045512.2 (18848)		C	T	A	G	T	T	G	T	A	
		Section 268									
		(19759)	19759	19770	19780	19790	19800	19810	19820	19832	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (18847)		T	A	A	T	C	T	A	A	T	
SARS-CoV-2 Reference Genome NC_045512.2 (18918)		T	A	T	T	G	A	A	T	T	
		Section 269									
		(19833)	19833	19840	19850	19860	19870	19880	19890	19906	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (18915)		C	C	A	G	C	C	C	A	A	
SARS-CoV-2 Reference Genome NC_045512.2 (18991)		A	A	A	G	C	T	G	C	A	
		Section 270									
		(19907)	19907	19920	19930	19940	19950	19960	19970	19980	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (18983)		C	T	A	A	A	T	A	C	C	
SARS-CoV-2 Reference Genome NC_045512.2 (19064)		C	T	C	A	A	G	C	T	G	
		Section 271									
		(19981)	19981	19990	20000	20010	20020	20030	20040	20054	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19057)		T	T	C	T	C	T	G	C	--	
SARS-CoV-2 Reference Genome NC_045512.2 (19136)		T	A	T	T	C	T	A	T	G	
		Section 272									
		(20055)	20055	20060	20070	20080	20090	20100	20110	20128	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19129)		T	T	G	C	T	C	C	A	G	
SARS-CoV-2 Reference Genome NC_045512.2 (19209)		T	A	G	A	T	A	T	C	C	
		Section 273									
		(20129)	20129	20140	20150	20160	20170	20180	20190	20202	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19200)		C	A	G	C	T	C	C	C	T	
SARS-CoV-2 Reference Genome NC_045512.2 (19278)		T	T	G	T	G	A	T	T	G	

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										Section 274
	(20203)	20203	20210	20220	20230	20240	20250	20260	20276	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19268)	CGCC	TCA	TCTTCTCCCGG	AGTCT	TCTC	ATGC	CGCT	CGGG	GTCCAG	CCCCGGG--TGGAA--CATCTCGAACTAT
SARS-CoV-2 Reference Genome NC_045512.2 (19350)	TAAT	TAA	AAACAATTACC	ATTTT	TCT	ATTAC	CTCT	GACA	GTCCAT	GTGAGTCTCATGGAAACAAGTAGTGTCAG
										Section 275
	(20277)	20277	20290	20300	20310	20320	20330	20340	20350	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19338)	CTTT	TGGA	GCTCTC	ACTG	CACTG	-CTG	GCAC	-TG	CCCTC	CAAGCAGGGGTTGAGGC
SARS-CoV-2 Reference Genome NC_045512.2 (19424)	ATATA	TAGA	TTATGT	ACCA	CTAAG	GTCTG	CTAC	GTG	TATAA	CACGTTGCAATTAGG-TGGTGCTGTCTGTAGACACA
										Section 276
	(20351)	20351	20360	20370	20380	20390	20400	20410	20424	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19409)	TGGT	-----	TCA	CCAT	TGG	CTGG	GTCT	CTAC	TGC	-----ACAGGGTGGGG-CAGGGAGCATCAGGGGGCAGGGCAG
SARS-CoV-2 Reference Genome NC_045512.2 (19497)	TCAT	GCTAA	TGAG	TACAG	ATTGT	ATCTCGA	TGCTT	TATA	ACAT	GATGATCTCAGCTGCTTTAGCTTGTGGGTTT
										Section 277
	(20425)	20425	20430	20440	20450	20460	20470	20480	20498	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19472)	CCAC	AC	CCCC	-GAC	ACAT	CAAG	ACAC	CTG	AGTGG	CAGGTTC
SARS-CoV-2 Reference Genome NC_045512.2 (19571)	ACA	AA	CAATTT	GATAC	TTATA	-AC	CTCTG	GAACA	CTTTT	TACAAGACTTCAGAGTTTAGAAAATGTGGCTTTTAA
										Section 278
	(20499)	20499	20510	20520	20530	20540	20550	20560	20572	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19545)	AG	GCCA	AAA	AGGT	GACACT	GCCCCCTC	CA	AGTGG	TCCATGCT	CCTCAGCTATGGCTGTCCGGGCGGCTCAC
SARS-CoV-2 Reference Genome NC_045512.2 (19644)	TG	TTGT	AAA	TAGG	GACACT	TTGATGGA	CA	ACA	GGGTGA	AGTACAGTTTCTATCATTAATAACACTGTTT-AC
										Section 279
	(20573)	20573	20580	20590	20600	20610	20620	20630	20646	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19619)	T	CAAA	GCC	TGCCC	TCC	GCTG	CTGCCAGGC	TCC	TTG	CAATGC
SARS-CoV-2 Reference Genome NC_045512.2 (19717)	A	CAAA	AGT	TGATGG	T--	GTG	ATGTAGAAT	TGT	TTGA	AAATAAACAACATT-ACCTGTTAATGTAGCATTTGA
										Section 280
	(20647)	20647	20660	20670	20680	20690	20700	20710	20720	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (19691)	T	CT	CGG	TGAC	AGC	TA	CTG	ATGG	AA	GGTGGCA
SARS-CoV-2 Reference Genome NC_045512.2 (19788)	G	TT	TGG	GCTA	AGC	G-CAAC	ATTA	AA	CCAG	TAC

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										Section 281
	(20721)	20721	20730	20740	20750	20760	20770	20780	20794	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(19765)	AGCGAGGG	GGCAGTAG	TGCCCA	AGCTGGGA	GGACCTTG	GCTTTTCGATG	GTCATCTCTGT	CAGCTCAG	GGCCCA
SARS-CoV-2 Reference Genome NC_045512.2	(19861)	-----	GCTAAT	TGTG-AT	CTGGGA	CTAC	AAAAAGAGAT	GTCTCCAGCA	CATATATCT	TACTATTG
										Section 282
	(20795)	20795	20800	20810	20820	20830	20840	20850	20868	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(19839)	GTGCGTGGG	GAGGGA	AACAGAG	GCACCTT	CCCCAG	CGGGTG	TGTTCACT	TGGGCGGAG	CTGCGACA
SARS-CoV-2 Reference Genome NC_045512.2	(19927)	TCTATGACT	GACATAG	CCAAAG	AAACCA	CTGAAACG	ATT-TGTG	CACCACT	CACTGTCT	TTTTTTGAT
										Section 283
	(20869)	20869	20880	20890	20900	20910	20920	20930	20942	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(19913)	GCTTGA-G	CTCCAG	CCAGCACA	AGGGG---	CGGGGG	CAAGGCTT	TC-AGGCG	AGAGGAG	AGGCTG
SARS-CoV-2 Reference Genome NC_045512.2	(20000)	--TTGATG	GTCTCA	AGTAGA	CTTATTTAG	AAATG	CCGTAA	TGTTC	TTATTAC	AGAGGTAG
										Section 284
	(20943)	20943	20950	20960	20970	20980	20990	21000	21016	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(19981)	TAGTAAGGGGA	GCGGATGG	AAAGGA-	GGGGGACT	CAGGGC	AGAGAC	TGCAGGGG	TTGGTGG	TGGAGATG
SARS-CoV-2 Reference Genome NC_045512.2	(20072)	TACAAACCATCT	GTAGGTCCC	AAACAAG	CTAGTCTTA	ATGG-AGTC	ACATTAA	AT-----	TGGAGAGCC	GTAA
										Section 285
	(21017)	21017	21030	21040	21050	21060	21070	21080	21090	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(20054)	CAGGC-G	TTCAAGG	ATACCA	AGATCAC	CCCTCCAG	AGAAGG--	AACAGCTCA	CTCTGGCTGG	CTCTGCTG
SARS-CoV-2 Reference Genome NC_045512.2	(20139)	AAACAAGTTCA	ATTATAT	AGAAAG	TTGATGT	GTTGTCC	AACAATTAC	CTGAAACT	TACTTT	ACTCAG
										Section 286
	(21091)	21091	21100	21110	21120	21130	21140	21150	21164	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(20125)	TCTGTTACT	TTGAACA	AGTT	CGTGC	CAGGATGG	AAAGGGTG	AGGCTTG	GACTAT	GCAAGCC
SARS-CoV-2 Reference Genome NC_045512.2	(20213)	---GAAATTT	ACAA	GAATTT	TAAACC	CAGGAGTC	AAATGG	AAATTG	ATTCTTAG--	AATTAGCTAT
										Section 287
	(21165)	21165	21170	21180	21190	21200	21210	21220	21238	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(20199)	TTCATGCT	ACTCCA-	AAAAG	ACCGT	GTGTGG	TTAGAAC	TGATGCT	TGGCCATG	TCCA
SARS-CoV-2 Reference Genome NC_045512.2	(20281)	TTCATTGA	ACGGTAT	AAATTA	GAAGG	CTATG	CCCTT	CGAACAT	TATCGTT	-----TATGGAG

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		Section 288																											
		(21239)	21239	21250	21260	21270	21280	21290	21300	21312																			
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(20272)	CAAGT	TCAGT	AAGG	GCACGA	ATT	TCT	CAGA	ACAAA	AGC	TGCC	CCAT	CTGTG	CTTGCC	TTGC	AGG	CTGTG	CTCT	TCT									
SARS-CoV-2 Reference Genome NC_045512.2		(20349)	-----	TCAGT	TAGG	TGGTTT	A	CAT	TCT	----	AC	TGAT	--	TG	GACT	AG	CTAAA	CGT	---	TTTA	AGGAAT	CAC	CTTT						
		Section 289																											
		(21313)	21313	21320	21330	21340	21350	21360	21370	21386																			
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(20346)	TACACA	TCACAGA	ATTCA	ATTCAAA	AT---	CATC	ACAGT	GACCC	AGCTAC	TGGGA	AAG-	GCTG	AGGC	AGA	AGG	ATT											
SARS-CoV-2 Reference Genome NC_045512.2		(20409)	TGAA	--TT	AGAG	ATT	TTATTC	CTAT	GGA	CAGT	ACAGT	TAAAA	ACTATT	TCAT	AA	CAGAT	GC	GCA	AAC	AGG	TT	C							
		Section 290																											
		(21387)	21387	21400	21410	21420	21430	21440	21450	21460																			
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(20416)	GC	CTG	AG	CCCAG	GAG	TTCA	AAGGCCA	G	CTT	GGCAAC	ATAG	CGA	GAC	TCCA	TCT	CTT	AAAA	AAAC	AAAAAA	CACA							
SARS-CoV-2 Reference Genome NC_045512.2		(20481)	AT	CTA	AG	TGTGT	GT	GTTC	TGTTATT	GAT	TT-----	ATTAC	TTGA	-TGAT	TTT	TGTTG	AAAT	AAAT	AAAA	TC	C	CAA							
		Section 291																											
		(21461)	21461	21470	21480	21490	21500	21510	21520	21534																			
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(20490)	CC	TGTA	ATCCC	AGCACT	T	TGGG	AGG	CCG	AGGTG	GGT	GGA	TCAC	CTG	AGGC	CAGG	AGTTT	G	AGACCA	GCCT	TGGC-							
SARS-CoV-2 Reference Genome NC_045512.2		(20548)	GAT	TTTA	TCTGT	AGTTTC	T	AAG	GTTG	TC	AAAGTG	ACT	TAT-	TGAC	TATA	A---	CAGAA	ATTTT	CA	ATTAT	GCTT	TGGT							
		Section 292																											
		(21535)	21535	21540	21550	21560	21570	21580	21590	21608																			
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(20563)	--C	AA	ATGG	TGA	AAAT	CCCCG	AC--	T	C	TAC	TA	AAAAAT	A	TAA	AAAT	TAGC	CAGG	TTT	TGG	TGGC	GGGG	CGCC	TGTA	AT			
SARS-CoV-2 Reference Genome NC_045512.2		(20618)	GTA	AA	GATGG	CC	ATG	T	AGAA	ACAT	TTT	TAC	CC	AAAAAT	-	TAC	CAATC	TAGT	CAAG	CGTGG	CAAC	C	GGG	TG	CT	AT			
		Section 293																											
		(21609)	21609	21620	21630	21640	21650	21660	21670	21682																			
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(20633)	CC	AGC	TA	C	TCT	GG	AGGCTG	AGGCA	GG	AGAAT	C	GCT	TGA	ACCCGG	AAG	GCA	GAGG	TTGC	AGTGA	ACCAA	GAT	TG					
SARS-CoV-2 Reference Genome NC_045512.2		(20691)	G	CC	---	TA	A	TCT	TTA	C	AAA-	AT	GCA	A-	AGAAT	-	GCT	ATT	AGAA	--	AAG	TGT	GAC	CTT	CA	AAATT	ATGGT	GAT	AG
		Section 294																											
		(21683)	21683	21690	21700	21710	21720	21730	21740	21756																			
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(20707)	TGC	CAT	AGC	AC	TCC	AGCCTGGGC	G	ACA	AAA	GCA	AAA	CT	CCAT	C	TC	AAAA	AAAAA	AAC	AAAAA	C	AAA	AAAC	A	GAA			
SARS-CoV-2 Reference Genome NC_045512.2		(20757)	TGC	AA	CA	TTAC	CTAA	A-----	GG	CA	TAA	TGATGA	AAT	TGTCG	C	AAAA	T	A	CTC	AAC	TGTGT	CAAT	ATTT	AAAC					

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Section 295									
	(21757)	21757	21770	21780	21790	21800	21810	21820	21830
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(20781)	ACAAGTA-ATCAGAGCCACCAGGGCA-ACAGAGCCAACA	GAGGGCATAGGGTCATCTGGCAGTCTGGTTAAG						
SARS-CoV-2 Reference Genome NC_045512.2	(20824)	ACAATTACATAGCTGTACCCTATAATATGAGAGTTATACAT-----TTTGGTG--CTGGT--TCTGATAAAG							
Section 296									
	(21831)	21831	21840	21850	21860	21870	21880	21890	21904
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(20853)	AAAAAAGAACAACACTTAAAAACAACAACAACAC	TTGCACAGCAATGGGCAAAACACACAGTAGTGAATGGGTG						
SARS-CoV-2 Reference Genome NC_045512.2	(20888)	GAGTTGCACAGGTACAGCTGTTTTAAGACAGTGGTTGC-----CTACGGGTACGCTGCTTGTCTG--ATTTCAGAT							
Section 297									
	(21905)	21905	21910	21920	21930	21940	21950	21960	21978
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(20927)	TGTGGTGACATTGCACAAAGAGGAAAGCCAGGTGAGGTTCA	TTTCTTTCAGACTGTCC--ACCACTAA	CCCT					
SARS-CoV-2 Reference Genome NC_045512.2	(20956)	CTTAAAGACTTTGTCT--CTGATGCAGATTCAACTTTGATTGGTGATGTGCAACTGTACATACAGCTAA	TAAA						
Section 298									
	(21979)	21979	21990	22000	22010	22020	22030	22040	22052
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(20999)	GTGTACCTAACCAATTGGGGTCT-TA-GACTCTT--TTGACAATCTGATTAAATGC	ACTG-CTC	CCTTCCCCT					
SARS-CoV-2 Reference Genome NC_045512.2	(21028)	TGGGATCTCATTATTAGTGATATGTACGACCTAAGACTAAAAAATGTTACA	AAAGAAATGACTCT	TAAAGAGGG					
Section 299									
	(22053)	22053	22060	22070	22080	22090	22100	22110	22126
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(21067)	GAAATACACACACAGGTGCACAGACTACACGGGGATACATCCAAAGA	CAAGGAGTGTATCCAGAGCTAAGAA	CC					
SARS-CoV-2 Reference Genome NC_045512.2	(21102)	TTTTTTTACACTTACATTTGTGG-GTTTATACA---ACAAAGCTAGCTCTTGGAGGT--TCCGTGGCTATAA	GA						
Section 300									
	(22127)	22127	22140	22150	22160	22170	22180	22190	22200
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(21141)	CTGGGC	CAAGCTTTCTCCCCTCTAGG	GCTGCTCTCTTTCA	TTCTGACCTCAAACTC	CAGATTCT	CAGTGGGGAT		
SARS-CoV-2 Reference Genome NC_045512.2	(21170)	TAA---CAGAACATTTCT---TGGAA	TGCTGATCT-----TTATAAGCTCATGGGACAC-TTCG	CATGGTGGAC					
Section 301									
	(22201)	22201	22210	22220	22230	22240	22250	22260	22274
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(21215)	GGCTGTGGGGAGTGAGGAACGGGGCGGGGGGGGA	GGAGTAACAGCAAGAGCAGCCAGTTGGCTTTC	CTCCAGCG					
SARS-CoV-2 Reference Genome NC_045512.2	(21231)	AGCCTTTGTTACTAATGTGAATGCGTCATCATCTGAAGCATTTTTTAATTGGATGTAATTATCTTGGCAA-ACCA							

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										Section 302
		(22275)	22275	22280	22290	22300	22310	22320	22330	22348
Homo sapiens chromosome 1 NC 000001.11: 11783698-... (21289)	SARS-CoV-2 Reference Genome NC_045512.2 (21304)	TTTAAAGGGCGCACTCGTTAATTGCTTGCCTGGA----CAGAACCTAGAGTAGGAGGAAGCTGAACCACTGTATA								
		CGCGAACAAATAGATGGTTATGTTCATGCAATGCAATTAATATTTTGAGGAATACAAATCCAATTCAAGTTGTCT								
										Section 303
		(22349)	22349	22360	22370	22380	22390	22400	22410	22422
Homo sapiens chromosome 1 NC 000001.11: 11783698-... (21359)	SARS-CoV-2 Reference Genome NC_045512.2 (21378)	AACTC--TCTG-ATTTTCAAGACTTATTTGCATTCTAGTATATGCCACGCATGTGCCATATTTGTAAAGCCAACTTCTTATCTCTTTATTTGACATGAGTAAATTTTCCCCTTAATTAAGGGGTACTGCTGTTATGTCTTTAAAGAAAG								
										Section 304
		(22423)	22423	22430	22440	22450	22460	22470	22480	22496
Homo sapiens chromosome 1 NC 000001.11: 11783698-... (21430)	SARS-CoV-2 Reference Genome NC_045512.2 (21452)	-TCCCACGATTTATCCGTTATCAGCTGGACTCCCATAGCACCCCTGGGTTGTAACTGTGGGTGAAAGGCCCTGTCTGTCAAATCAATGATATGATTTTATCTCTTCTTAGTAA--AGGTAGACTTTATAATTAGAGAAAACAAAGAGGTTG								
										Section 305
		(22497)	22497	22510	22520	22530	22540	22550	22560	22570
Homo sapiens chromosome 1 NC 000001.11: 11783698-... (21503)	SARS-CoV-2 Reference Genome NC_045512.2 (21524)	TCCCTTTCTCTTT---CCCTCAGTTCCCTGAGACAGGACCGGTGTCT---CTGCTGGGGTATCCCTCAGAGTTTGGTTATTTCTAGTGATGTTCTTGTTAACTAACTGAACAAAGTGTGTTTCTTGTTTATTTGCTCCTAGTCTC								
										Section 306
		(22571)	22571	22580	22590	22600	22610	22620	22630	22644
Homo sapiens chromosome 1 NC 000001.11: 11783698-... (21570)	SARS-CoV-2 Reference Genome NC_045512.2 (21598)	CACAGGTGATAGCCAACTTCACTGAGCGCAAGGGCAAGGTGCTGCTCACT----CTCTCAAAATAAGCCTCTAGTCAGTG-TGTTAATCTTACAACCAGAACTCAATTACCCCTGCATACACTAATTCTTTCAACCGTGGTGT								
										Section 307
		(22645)	22645	22650	22660	22670	22680	22690	22700	22718
Homo sapiens chromosome 1 NC 000001.11: 11783698-... (21640)	SARS-CoV-2 Reference Genome NC_045512.2 (21671)	TGCCACTTACTGAACAACTAGTCTGCGCAAGCACTGGGATACTAAGCCTACGACTC--CAGAAAGGTC----TATTAC--CTGAACAAGTTTTCAGATCCT--CAGTTTTACATTCACCTCAGACTTGTTCTTACCTTCTTTTT								
										Section 308
		(22719)	22719	22730	22740	22750	22760	22770	22780	22792
Homo sapiens chromosome 1 NC 000001.11: 11783698-... (21708)	SARS-CoV-2 Reference Genome NC_045512.2 (21741)	CCGGCGGACCCCCTGCGCAAGGGACG---CAGTGGGCGCAGGGACCGCAGTGCC-----CCGGGCCAGCCAATGTTACTTGCTCATGCTATACATGCTCTGGGACCAATGGTACTAAGAGGTTTGATAAACCTGTCTTA								

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										Section 309
	(22793)	22793	22800	22810	22820	22830	22840	22850	22866	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(21772)	CGCTCTTCTTCCA	GGTGATCG----	CGGGGAGGCAGGTTTAA	AGGCAGGAGCCCGGAAG	CCCGTCTCTCGGCGCCCA				
SARS-CoV-2 Reference Genome NC_045512.2	(21815)	CCATTTTAA	TGATGGTGTTATTTT	TGCTTCCACTGAGAGTCTAA	CATATAAGAGGCTG	GATTTTGGTACTAC				
	(22867)	22867	22880	22890	22900	22910	22920	22930	22940	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(21842)	GGTGGC--CGAGAA	TCCAGTCACTAG--	GTCACTGAGTCA	CGATGGGGCGAGGAC	ACCGGGCTGTGGCCG				
SARS-CoV-2 Reference Genome NC_045512.2	(21889)	TTTAGATT	CGAAGACCCAGTCC	TACTTATTGTATA	TACGCTACTAATGTT	GTTATTAAA--	GTCTGTGAAT			
	(22941)	22941	22950	22960	22970	22980	22990	23000	23014	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(21909)	GTCA	GAGGGGCGGGAT	TCGTCA	CCCTCTGGCTCAG	GGGCCCC	TCCGTCCAGGC	AGGGAGCCAAAGT	CAGTCTTCGC	
SARS-CoV-2 Reference Genome NC_045512.2	(21960)	TTC	AATTTTG-----	TAA	TGATCCATTTT	T---GGGTGTTT	TATTACCA	CAAAACACAA	AAAGTTGGA--	TGGA
	(23015)	23015	23020	23030	23040	23050	23060	23070	23088	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(21983)	TTGAGGGTTGGCG	GT	CGCTGGAAGTG	GTAGCCATTGGAG	TTACACTAAT	TCCCGCGAAGGG	TGCGCAAGGGAG		
SARS-CoV-2 Reference Genome NC_045512.2	(22024)	AAGTGAGTTT	CAGAGT	TTATTTCTAGTG	CGAATAATTGCACT	TTTGATA-TGTCTCTC	AGCCTTTTCTTATGGA-			
	(23089)	23089	23100	23110	23120	23130	23140	23150	23162	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22056)	GCGGCAGCCCCC	CCAA	GAAGAGAGG	CAGGCCCGGCC	TCAGCGCTCCCC	GCCCCACAAGGCAC	GTCTTT	GCCCCG	
SARS-CoV-2 Reference Genome NC_045512.2	(22096)	-----	CC	TTGAAGGAAA	CAGGGTAATT	TCAAAAA-TCTTAG	GGAATTTGT--	GTTTAAG	GAATATT	
	(23163)	23163	23170	23180	23190	23200	23210	23220	23236	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22130)	GGA	GGTTGTTT	GCCGGCTCCAGGA	TCTCC-CTCCGG	CAGACCCCGGCCTC	GC	GTCACTCA	CCCTC	CAGTCCCG
SARS-CoV-2 Reference Genome NC_045512.2	(22154)	GAT	GGTTATTT	TAAAAAT---	ATATTCTAAG	CACACGCTATT	TAATTTAGTGC	-GTGA-TCT	CCCTC	CAGGTTTT
	(23237)	23237	23250	23260	23270	23280	23290	23300	23310	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22203)	GGT	GACTCAGAAC	GCTCGG	CCGGCCGCA	CCACTGTGGC	CGCTGCAGGG	GCGGGGAACGC	AGTGAAG	GGGCG
SARS-CoV-2 Reference Genome NC_045512.2	(22223)	TCG	GCTTTAGAAC	CATTGG	TAGATT	TGCACATAGGTATT	TAAATCATCATAGG	TTTCAA	ACTTTACTT--	GCTTTA

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										Section 316
	(23311)	23311	23320	23330	23340	23350	23360	23370	23384	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22277)	C	G	G	C	G	C	A	G	
SARS-CoV-2 Reference Genome NC_045512.2 (22295)		C	A	T	A	G	A	G	T	
										Section 317
	(23385)	23385	23390	23400	23410	23420	23430	23440	23458	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22350)	C	G	C	C	C	A	A	C	
SARS-CoV-2 Reference Genome NC_045512.2 (22367)		T	A	T	C	T	T	T	C	
										Section 318
	(23459)	23459	23470	23480	23490	23500	23510	23520	23532	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22421)	C	G	C	C	C	A	C	C	
SARS-CoV-2 Reference Genome NC_045512.2 (22441)		T	G	A	C	C	T	C	T	
										Section 319
	(23533)	23533	23540	23550	23560	23570	23580	23590	23606	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22495)	G	T	C	A	C	G	T	G	
SARS-CoV-2 Reference Genome NC_045512.2 (22511)		A	A	C	T	T	T	C	A	
										Section 320
	(23607)	23607	23620	23630	23640	23650	23660	23670	23680	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22566)	A	T	T	T	A	C	C	A	
SARS-CoV-2 Reference Genome NC_045512.2 (22585)		T	T	T	A	C	C	A	C	
										Section 321
	(23681)	23681	23690	23700	23710	23720	23730	23740	23754	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22636)	G	C	A	C	C	G	A	G	
SARS-CoV-2 Reference Genome NC_045512.2 (22659)		C	T	G	T	C	C	T	A	
										Section 322
	(23755)	23755	23760	23770	23780	23790	23800	23810	23828	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22709)	G	G	C	G	T	T	G	C	
SARS-CoV-2 Reference Genome NC_045512.2 (22733)		T	G	C	T	T	A	C	T	

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		Section 323									
		(23829)	23829	23840	23850	23860	23870	23880	23890	23902	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22775)	CCGAGCCAGG	GCTCTCGAAGCGTCTA	CCCTGCTTCACGTGCC	TAAGTCTGGGGTCTTTTCTCAT	AACCCCTC	-				
SARS-CoV-2 Reference Genome NC_045512.2	(22807)	TGGAAGATT	GCTGATTATAAT	TATAAAT	TACAGATGATTT	TACAGCTGCGTTATAGCT	TGGAA	ATTC	TAACA		
		Section 324									
		(23903)	23903	23910	23920	23930	23940	23950	23960	23976	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22847)	--CTGGAATCTG	AGGAGGAATCCA	GGCCAGCTCCAGTAAAT	CCCCACCA	TGTTTCCCTTTT	ATTTC	ATCTG	AAA		
SARS-CoV-2 Reference Genome NC_045512.2	(22881)	ATCTTGATCTTA	AGGTTGGT---	GGTAATTATAAT	TACC	TGTATAGAT	TGTTTAGGA	--AGTCTA	ATCTC	AAA	
		Section 325									
		(23977)	23977	23990	24000	24010	24020	24030	24040	24050	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22919)	AGAGTTTGGAAT	GAAACAAGCGT	TTTCA	GAA	TGAGCTTC	CTCA	CAGGAC	T-TGTGCTTATCAT	TGCTGCTGTTT	
SARS-CoV-2 Reference Genome NC_045512.2	(22949)	CC--TTT	TGAGAGATA	-----TTTCA	-ACTGA	AAT--CTAT	CAGGC	CGGTAGCA	CACCTTG	TAA	TGGTGT
		Section 326									
		(24051)	24051	24060	24070	24080	24090	24100	24110	24124	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(22992)	TAGCTTCTCCAGT	CTCTCTAT	CC	TCA	CCC--TTTC	TGGGT	CACTGACAGT	CCAGCTT	CCC-C	TGCG
SARS-CoV-2 Reference Genome NC_045512.2	(23013)	AAGTTT	T--AAT	TGTTACTT	CTTCTTAC	AA	TCA	TATGGTTTC	CAACC	CACTA	TGTTGTTGTT
		Section 327									
		(24125)	24125	24130	24140	24150	24160	24170	24180	24198	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23063)	AAAGCAT	TCCTGGG	AAAACTTGAG	TTGTGT	TCCAGAGTTGA	CAAGT	CTCTTCTGATT	TCAGA--T--	ACGTCA	
SARS-CoV-2 Reference Genome NC_045512.2	(23085)	ACAGAG	TAGTAGTA	CTTTCTTT	TGA	CTTCTACATG	CACCAG	CAACTGTT	TTGTGACCT	TAAA	AAGTCTAC
		Section 328									
		(24199)	24199	24210	24220	24230	24240	24250	24260	24272	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23132)	CAC	TGTC	AAATGG	AACCTG	-CATTTT	TACGCCCT	T--TT	CAGCTGGC	GTTGGACA	TCTTTGAG
SARS-CoV-2 Reference Genome NC_045512.2	(23159)	TTGGT	TAAAA	ACA	AA	TG	TG	CTCA	TTTCA	AGTTCA	ATGTTTAA
		Section 329									
		(24273)	24273	24280	24290	24300	24310	24320	24330	24346	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23202)	AGAG	GAGGGTGG	TTATT	TGAG	ACTAT	CAGT	GGAAT	TGAAGAG	CTCAG	CTGATGGCTGT
SARS-CoV-2 Reference Genome NC_045512.2	(23233)	AAAG	TTTCTGCC	TTT	TCCAACA	AATTT	GGCAG	AGAC	ATTG	CTGA	-C

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		Section 330									
	(24347)	24347	24360	24370	24380	24390	24400	24410	24420		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23273)	ACATGG--TCCCTCACCCCTGAA-AGGTTT	TTTTTGAGGGCTGGTTCC	TATTTGATAATGGCTCC	AGATGATTT						
SARS-CoV-2 Reference Genome NC_045512.2	(23305)	ACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGT	CAGTGT	TATAAC	ACCAGGAACAAAT	ACTTCTA					
		Section 331									
	(24421)	24421	24430	24440	24450	24460	24470	24480	24494		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23344)	AGAAGCTTAGGCAC	TGATT-TCAGTAAAT--ACTTC	-----TGCTCCTT	CCACTCCTAACC	ACTAAAAAGG					
SARS-CoV-2 Reference Genome NC_045512.2	(23379)	ACCAGGTTGCTGTCTTTA	TCAGGATGTTAACTGC	ACAGAAGTCCTGT	TGCTATTCATGCAG	ATCAA	CTTA	CT			
		Section 332									
	(24495)	24495	24500	24510	24520	24530	24540	24550	24568		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23408)	CTCCCTCTGCGGATCTGTTT	TTCTAGAA-CCATCC	TTGGAGAAACACA-GGAGGAG	GAGGATGAGATT	CTTC-CA					
SARS-CoV-2 Reference Genome NC_045512.2	(23453)	CCTACTTGCGGTGTTATTCTACAGGTTCTAATGTTTTC	AAACACGTGCAGGCTGTTT	AATAGGGG	CTGAA	CA					
		Section 333									
	(24569)	24569	24580	24590	24600	24610	24620	24630	24642		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23479)	AGGAAGAC----	TATGAG-GTGA	GCT--CCTTTGAT	ACTGCT--TGCGCACT	AAAGT-AGT	GAGTGGCC	TG			
SARS-CoV-2 Reference Genome NC_045512.2	(23527)	TGTCAAACA	ACTCATATGAGTGTGATAC	CCATTGGTGCAGGTATA	TGCGCTAGTTATCAG	ACTCAG	ACTAAT	T			
		Section 334									
	(24643)	24643	24650	24660	24670	24680	24690	24700	24716		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23542)	GTCAC-CTTCAGGC	-CGAAGCAT	TATGATTCCA	ACCAAGAGATGCT----	CTTTGACCTT	CTGTCC	CAGGGAGTGA			
SARS-CoV-2 Reference Genome NC_045512.2	(23601)	CTCCTCGGCGGGC	CGTAGTGTAGCTAGTCAAT	CCATCAT	TGCCTACA	CTATGT	CAC	TTGTGCAGAAAAT	CA		
		Section 335									
	(24717)	24717	24730	24740	24750	24760	24770	24780	24790		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23610)	GTGGGTAA	G----AGAACT	TCCCTT-----CT-AGGAA	AGAGACTGTT----	T-AGCA-AGCCC	TTTTCT	CA	CC		
SARS-CoV-2 Reference Genome NC_045512.2	(23675)	GTGTGCTTA	CTCTAATAA	CTTATG	CCATA	CCACA	AAATTTT	ACTATT	AGTGTACCA	AGAAA	
		Section 336									
	(24791)	24791	24800	24810	24820	24830	24840	24850	24864		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(23667)	TT--AACC	CCAAACAAGG	TCGTGTGTTT	TACACGTTTA	TAAATCTGTGG	CACCTTAAC	CTGATAG	AGTA--		
SARS-CoV-2 Reference Genome NC_045512.2	(23749)	GTCTATGA	CCAAAGACA---	TCAGTAGATTG	TACAA---	TGTACATT	TGTGGTGAT	TCAAC-TGA	ATGCAGCAAT		

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															Section 337																	
		(24865)	24865	24870	24880	24890	24900	24910	24920						24938																	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...		(23737)	-TGTATTTG	CAT	TAAAC	TGTTT	GCTTT	ACAGC	TTACAGAGAC	TTAGAGT	GAAAG	GCAC	TGGC	AGGCAGTA	A																	
SARS-CoV-2 Reference Genome NC_045512.2		(23816)	CTTTTG	TTGCA	AT	ATGG	CAGTTT	TTGT	TACACA	-TTAA	ACC	GTGCT	TTA	ACTG	GAA	TAGC	TGTT	GA	CAAGACA	A												
															Section 338																	
		(24939)	24939	24950	24960	24970	24980	24990	25000						25012																	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...		(23810)	TGTG	CCCTAA	CAGGT	GTG	TGC	----	TTATAA	ACTG	TTAAGG	AGGC	CTTG	CTTC	TC----	TTCT	AGGA	GAGCT	T													
SARS-CoV-2 Reference Genome NC_045512.2		(23889)	AAAA	CA	CCCAA	GAGT	TTT	TGC	ACAAG	TCAA	CA	CAAT	TTA	CAAA	ACA	CCAC	CAAT	TAAAGA	TTT	TG	TG	GTTT	T									
															Section 339																	
		(25013)	25013	25020	25030	25040	25050	25060	25070						25086																	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...		(23875)	TGC	TTTTCA	GATAT	-TTT	CTTGC	TCAAG	CAGCTT	CTCT	CTGAC	ATGT	CTTG	ATT	-AAGT	TC	ACC	TTTCA	TGT													
SARS-CoV-2 Reference Genome NC_045512.2		(23963)	AAT	TTTTCA	CA	AAT	TTT	AC	GATC	AT	CA	AAAC	CAAG	CA	-AG	AGT	CA	TTT	ATT	G	AAG	ATC	AC	T	TTTCA	ACA						
															Section 340																	
		(25087)	25087	25100	25110	25120	25130	25140	25150	25160																						
Homo sapiens chromosome 1 NC_000001.11: 11783698-...		(23947)	ATG	GGATT	CTT	AG	AGT	ATG	TG	TTT	TT	AGT	AAA	GCCA	ACAC	TG	CT	GGG	T	GAAAC	AACA	TGC	GT	GACT	TTTTTA	TC						
SARS-CoV-2 Reference Genome NC_045512.2		(24036)	AAG	TGA	CA	CTT	GC	AG	ATGC	TG	GC	TT	CA	T	AAA	CAAT	AT	TGG	TG	AT	TGCC	T	TGGT	G	ATAT	TGC	TGCTAGAGACC	TC				
															Section 341																	
		(25161)	25161	25170	25180	25190	25200	25210	25220						25234																	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...		(24021)	ATT	AAA	TT	CTT	AAA	CT	AA	TAA	A	GAGG	TAG	A	GAAAA	GCC	TA	-TAACTC	CA	TTT	CA	AT	TT	AAA	GAT	GA	CT	GTTA	AC			
SARS-CoV-2 Reference Genome NC_045512.2		(24110)	ATT	TG	-TG	CAC	AAA	AGT	T	-TAA	C	GCCT	TA	CT	GTTTT	GCC	ACC	TTT	GCT	CA	CAG	AT	G	AAA	GAT	TG	CT	CAAT	AC			
															Section 342																	
		(25235)	25235	25240	25250	25260	25270	25280	25290						25308																	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...		(24094)	AC	CT	-TAC	TAA	GT	AT	CTTT	C	TACA	TC	CTT	AC	CCA	TG	CT	TTTT	A	TAC	ATGAT	ACA	TG	CT	TTTT	TT	TAA	AGTA	ACAA			
SARS-CoV-2 Reference Genome NC_045512.2		(24182)	AC	TT	CT	TG	ACT	GT	TAG	CGGG	TACA	AT	C	-	AC	TTC	TG	GT	TG	ACC	TTT	TGGT	G	AGG	TG	CT	GCA	TT	AC	AAAT	ACCA	
															Section 343																	
		(25309)	25309	25320	25330	25340	25350	25360	25370						25382																	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...		(24167)	AAA	TG	AGAT	T	CA	CT	TAA	TC	AT	CTA	TTTT	A	ACC	TG	TCCC	ACT	CAC	CC	CTT	T	ATT	A	CT	TTT	GT	AT	CATT	AG		
SARS-CoV-2 Reference Genome NC_045512.2		(24254)	TT	-TG	CT	AT	G	CA	AT	TGG	CT	TAT	AGG	TTT	A	TGG	TAT	TGG	AGT	T	AC	A	CAGAA	T	GTT	CT	-CT	AT	G	AAC	CA	AAAA

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		Section 344									
	(25383)	25383	25390	25400	25410	25420	25430	25440			
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24241)	GTAATT	TTCCAC	-AACTTT	TCTTTT	TTTGA	CAGAGT	CTCACTCT	TCATAAA	TTCTT	CATGCT
SARS-CoV-2 Reference Genome NC_045512.2 (24326)		TTGATT	GCAACAA	TTTAA	TAGTGC	TATTGG	CAAAAT	-TCAAGAC	TCAC	TTTC	TTCACAGCAA
		Section 345									
	(25457)	25457	25470	25480	25490	25500	25510	25520	25530		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24314)	AGTGT	CAGCGT	TAGGAT	TGTAGC	AC	TTTTTT	TGTTTAA	-CTTTT	ATTAT	GAAG
SARS-CoV-2 Reference Genome NC_045512.2 (24399)		---	GAAAC	CTTCA	GATGTG	GTCAAC	CAAAA	TGCACAA	GCTTTAA	ACAC	GCTT
		Section 346									
	(25531)	25531	25540	25550	25560	25570	25580	25590	25604		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24385)	AACAGA	AAT	AATCT	TGTT	GAAACCCCT	-TG	TCC	TCAT	CA	CACAG
SARS-CoV-2 Reference Genome NC_045512.2 (24470)		TTTGG	TGC	AAT	TTCAAG	TGTTTTTAA	TGATA	TC	TTT	CACGT	CTTG
		Section 347									
	(25605)	25605	25610	25620	25630	25640	25650	25660			
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24458)	C	TTTTG	TCTGTG	C	TTTC	-GTTAT	TC	CAC	TCTC	CTTT
SARS-CoV-2 Reference Genome NC_045512.2 (24543)		AT	AGGT	TGATCA	CAGG	CAGACT	TC	AAAG	TTTG	CAGA	CAT
		Section 348									
	(25679)	25679	25690	25700	25710	25720	25730	25740	25752		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24529)	TTT	GTG	TGTGTGTGT	TGTGTGTGTGT	---	G	TGTGTGTGTGTGT	TTTTA	AGT	AAA
SARS-CoV-2 Reference Genome NC_045512.2 (24617)		AGAG	CTT	CTGCTAA	CTTGC	TGCTAC	TAAAA	TGTCA	GAGTGTGT	ACT	TGGAC
		Section 349									
	(25753)	25753	25760	25770	25780	25790	25800	25810	25826		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24600)	T	TGCCCA	GGCT	G	TTCTC	GAA	CTC	CTTGA	CAC	CAGCG
SARS-CoV-2 Reference Genome NC_045512.2 (24691)		T	GGAAA	GGCT	AT	CA	TC	TT	ATGT	C	TTCTC
		Section 350									
	(25827)	25827	25840	25850	25860	25870	25880	25890	25900		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24674)	G	T	CATG	AT	C	TAC	CA	T	A	CCTGGCC
SARS-CoV-2 Reference Genome NC_045512.2 (24759)		C	T	ATG	T	C	CTG	CA	CA	A	AGAAAA

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										Section 351	
		(25901)	25901	25910	25920	25930	25940	25950	25960	25974	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24747)	CCATTAATTC	TATATGCA	TCTTAATGG	ATAAGGACT	TTTAAAAAG	CATAAACCC	AATACT	TATTACCA	ACATCTAAA	
SARS-CoV-2 Reference Genome NC_045512.2	(24832)	TCGTGAAGG	TGCTTTTG	TTCAAAATGG	CACAC-AC	TGGTTTGT	AACACAAGG	AAT--TT	TTATGTG	AACCACAAA	
										Section 352	
		(25975)	25975	25980	25990	26000	26010	26020	26030	26048	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24821)	AAATTA	GGAAATTTCTT	GATATCA	AATATCT	ACTGTC	CA	GATT	TTCAGT	TTTCTTTGTAAATGTCATATGTATTT	
SARS-CoV-2 Reference Genome NC_045512.2	(24903)	TCATTA	CTACA-----	GACAA	CACATTTGT	---GTC	TG---TAA	CTGTGATG	TTGTAA	TAGGAATGTGTACACA	
										Section 353	
		(26049)	26049	26060	26070	26080	26090	26100	26110	26122	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24895)	TAAC	TTTATTTGA	ATTAGG	TTCAA	AAGTCCT	TTT	TTATT--	TGTTTGA	TAAATCTCTGTTAATCTCTTTTAATCT	
SARS-CoV-2 Reference Genome NC_045512.2	(24966)	ACAC	AGTTTATGA--	TCC	TTGCAA----	CCTGAA	TTAGAC	TCA	TTCAAGG	AGGAGTTAGATAAAATTT-----T	
										Section 354	
		(26123)	26123	26130	26140	26150	26160	26170	26180	26196	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(24968)	GTAG	CTTCTTCT	TCATCTTTT	TTTTTTT	TTTGT	AAGTTAT	TTTGACA	ACATAA	TTAGGACCTGGGATTTTCTAC	
SARS-CoV-2 Reference Genome NC_045512.2	(25030)	TAAG	AATCATAC	ATCA	CCAGAT	GTGTT	GATTTAG	GTGACA	TCTCTG	GCA-----TTAATGCTTCAG-TTGTAAC	
										Section 355	
		(26197)	26197	26210	26220	26230	26240	26250	26260	26270	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25042)	TG	TC	TA---G	ATTTTG	-CCATT	TGGAGCC	GT	TTGTATAGT-	TTAATATGCTACTCTGATGGGACTGCTTTGAAT	
SARS-CoV-2 Reference Genome NC_045512.2	(25097)	AT	TC	AAAA	GA	AA	TTGACC	GCC	TCAATGA	GGTTGCCAAGAA	TTTAAATGAATCTCTCATCGATCTCCAAGAACT
										Section 356	
		(26271)	26271	26280	26290	26300	26310	26320	26330	26344	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25111)	--	GAA	CCA	AAA	AGCA	CTGTAT	CCACTG-	CTGTGT	TTTGTCTATTTCTTTTTTTTCT--TTTTTTTAAATTTG	
SARS-CoV-2 Reference Genome NC_045512.2	(25171)	TG	GAA	AGTATG	AGCAG	TATAT	AAAATG	GCCATG	GTACAT	TTTGGCTAGGTTTTATAGCTGGCTTGA	TTGCCATAG
										Section 357	
		(26345)	26345	26350	26360	26370	26380	26390	26400	26418	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25180)	AG	ATGG	AGTCTC	AC	TC	TTAG	TGC	CCA	GGTTGGA	GTGCAATGGCTCGATCTCAGCTCACTGCAACCTCACACCCA
SARS-CoV-2 Reference Genome NC_045512.2	(25245)	TA	ATGG	TG----	AC	AA	TTA-TGC	TTT	GCTGTAT	GAC	CAGTTGCTGT-----GTGTCT-CAAGGGCTGTTGTT

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		Section 358							
	(26419)	26419	26430	26440	26450	26460	26470	26480	26492
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25254)	C	C	C	T	A	G	G	T
SARS-CoV-2 Reference Genome NC_045512.2 (25308)		C	T	T	G	T	G	T	C
		Section 359							
	(26493)	26493	26500	26510	26520	26530	26540	26550	26566
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25325)	-	C	G	G	T	A	A	T
SARS-CoV-2 Reference Genome NC_045512.2 (25382)		T	A	A	A	T	T	G	A
		Section 360							
	(26567)	26567	26580	26590	26600	26610	26620	26630	26640
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25397)	T	C	A	G	T	G	A	T
SARS-CoV-2 Reference Genome NC_045512.2 (25451)		T	C	A	G	T	G	A	T
		Section 361							
	(26641)	26641	26650	26660	26670	26680	26690	26700	26714
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25471)	T	G	T	T	C	G	A	T
SARS-CoV-2 Reference Genome NC_045512.2 (25516)		C	C	T	T	C	G	A	T
		Section 362							
	(26715)	26715	26720	26730	26740	26750	26760	26770	26788
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25540)	A	T	T	G	T	T	C	A
SARS-CoV-2 Reference Genome NC_045512.2 (25590)		A	A	A	G	A	T	G	G
		Section 363							
	(26789)	26789	26800	26810	26820	26830	26840	26850	26862
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25614)	T	C	T	C	A	C	A	G
SARS-CoV-2 Reference Genome NC_045512.2 (25653)		T	G	T	A	A	C	A	G
		Section 364							
	(26863)	26863	26870	26880	26890	26900	26910	26920	26936
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25688)	T	A	C	T	T	A	C	A
SARS-CoV-2 Reference Genome NC_045512.2 (25719)		T	G	C	T	T	A	C	A

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											Section 365						
	(26937)	26937		26950		26960		26970		26980		26990		27000		27010	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25762)	TTGTCAT--T	GTTTGA	GACAGAG-TCT	CACCTCTG	TCCAGGC	TGGAA	TGCAG	TGGTAC	GGTTCT	TGGATCACT						
SARS-CoV-2 Reference Genome NC_045512.2	(25783)	TGGAAATGCC	GTTCCAAA	CCCATTA	CTTTAT	GATGCC	AACTATTTTC	TTTGC	TGGCATAC	TAAITGTT	-ACG						
											Section 366						
	(27011)	27011		27020		27030		27040		27050		27060		27070		27084	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25833)	GCGACCTCC	ACC	CCCGCTCT	TGAGTTC	AA	GCTGTTC	TCC	TACCTCAG	CC	TC	CAAGTAG	CTGGG	ACTACATG	-C		
SARS-CoV-2 Reference Genome NC_045512.2	(25856)	ACTAT-TGT	ATA	CC	TTA	CAAT-AGT	GTAACTTC	TTC	AAT	TGT	CATTAC	CTC	---	AGGTGATGGC	ACAACA	AGTC	
											Section 367						
	(27085)	27085	27090		27100		27110		27120		27130		27140			27158	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25906)	ATACACG--	ACCATG	CCTGGCTA	AGTTTGTAT	TTT	TAGT-AG	AGATGGG	GTTCACCA	TGTTG	GT	CAGGC	TGG				
SARS-CoV-2 Reference Genome NC_045512.2	(25925)	CTATTTCTG	AA	CATGACTAC	C--AGATTG	GTGGTTA	TACTG	AAAAATGGG	AA	TCTGGAG	TAAAA	GACTGTG	TTG				
											Section 368						
	(27159)	27159		27170		27180		27190		27200		27210		27220		27232	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(25977)	TCTTGA	ACTCC	TGAC	TCA	GGT	GATCC	ACCC	ACC	TCAGCCT	CCCAA	AGT	ACTGGG	ATTACA	AGCG-TG	AGCCAC	
SARS-CoV-2 Reference Genome NC_045512.2	(25997)	TATTAC	ACAGTT-	ACT	TCA	CTTC	AGACTATT	ACC	AGCTGTA	CTCAA	CTCAATTG	-AG	TACA	GAC	ACTGGTGTG		
											Section 369						
	(27233)	27233	27240		27250		27260		27270		27280		27290			27306	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26050)	CACGC	GTGG	CCAT	ATTCAT	G	TACAT	TTTCAT	GGTTA	ATGTTCT	TTTGAT	ATTG	GTC	ATTGAT	ATTCTCAACCA		
SARS-CoV-2 Reference Genome NC_045512.2	(26069)	AACATGT	TACCTTC	TTCA	CTAC	ATAA	AATT	GTTG	ATGAGC	TGAAGA	ACAT	GTC	CA----	AA	TTCA	CA-CAA	
											Section 370						
	(27307)	27307		27320		27330		27340		27350		27360		27370		27380	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26124)	TC	TTCAA	GAAT	GAGCT	TC	TTGAG	AGCAC	TTGCT--	TTGT	GTAA--	GAAC	AAATT	CAGGCAC	TTAAAC	AGAAAG	
SARS-CoV-2 Reference Genome NC_045512.2	(26138)	TC	-----	GACG	TTCA	TCG	GAG	-----	TTGT	TAA	TCCA	GTAA	TG	GAAC	AAATT	ATGA--TGAA	CGACGACG
											Section 371						
	(27381)	27381		27390		27400		27410		27420		27430		27440		27454	
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26194)	TCTGGAT	TTTAT	TAT	TCAA	TAA	ATAA	TCAACT	TGACACAA	AAAG	TAT	AA	TAAAG	AGGG	GAGTGA	GTGG-GAC	
SARS-CoV-2 Reference Genome NC_045512.2	(26200)	ACT--	ACTAGCG	TGCC	TTG	TAA	GCACA	AGCTGA	TGAGTACG	AACT	TATG-	TACTC	ATT	C	GTTTCG	GAA	GAC

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															Section 372										
	(27455)	27455	27460		27470		27480		27490		27500		27510		27528										
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26267)	AGGT	TAA--	AATAGTT	GAT	TTAGT	GGAAT	CTCAT	TTTTTG	TATTT	AAAACA	CGTGT	TAAAGCA	TGT	TGTA	TAAA									
SARS-CoV-2 Reference Genome NC_045512.2	(26271)	AGGT	ACGTT	AATAGTT	AAT--	AGC	GTA	CT--	TTTTCT	TGCTTT	-----	CGTGT	TA	T-----	TCT	TGCT	TAGT								
															Section 373										
	(27529)	27529		27540		27550		27560		27570		27580		27590		27602									
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26339)	AAC	GTGG	GTA	AGGAT	GTAGAA	GAT	TATT	TAGTAA	G-GTAT	TAA	TAGTC	ATATT	-TTAAT	GAAT	G	GAGT	-TATA	G						
SARS-CoV-2 Reference Genome NC_045512.2	(26331)	TAC	ACTAG	GCC	ATCC	TACTGC	GCT	TCGA	TTGT	GTGC	GTACT	TGCT	-GCA	ATATT	GTTAA	CGTGA	G	TCT	TGTAAA						
															Section 374										
	(27603)	27603	27610		27620		27630		27640		27650		27660		27676										
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26410)	GG	TTT	TCT	TAC	CTT	GATAG	TCAG	TC	AAC	TAG	AAAA	CCTT	CTGT	TGAAT	ATCTTT	CTA	AAAA	GT	G	CCCT	TCT			
SARS-CoV-2 Reference Genome NC_045512.2	(26404)	CC	TT	CT	TTT	TAC	GT--	-TAC	TC--	TC	GTG	TTA	AAAA	TC	-----	TGAAT	-TCTT	-CTA	GA--	GT	TC	TGA	TCT		
															Section 375										
	(27677)	27677		27690		27700		27710		27720		27730		27740		27750									
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26484)	TC	CTGT	CTC	AG-GAA	GAGTTC	ATT	GCA	CATA	TTT	GACT	CTTT	ATTTGA	TAA	AATTT	AGG	GTCT	TTA	CA	AAAT	TGTTA				
SARS-CoV-2 Reference Genome NC_045512.2	(26463)	TC	TG	GTCT	AAAC	GAA	CTAAAT	ATT	ATATTAG	TTTT	TTCTG	TTT	GGA	ACTT	AATTTT	TAG	GCCAT	TGG	CA	GAT	TCCAA				
															Section 376										
	(27751)	27751	27760		27770		27780		27790		27800		27810		27824										
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26557)	GAA	TC	CA	ATT	TTGA	CAT	CCA	TTCT	CATT	ATAG	TGGT	TTG	AAAA	AATGG	TAACT	TTCT	TGTG	AGAT	TGT	GC	ATT	GC		
SARS-CoV-2 Reference Genome NC_045512.2	(26537)	CGG	TAC	TATT	AC--	CGT	TGA	AGAG	CTT	AAAA	AGCTCC	TTG	AA	CAATGG	-AAC	CTAG	TAAT	AGG	TT	CT	ATT	CC			
															Section 377										
	(27825)	27825	27830		27840		27850		27860		27870		27880		27898										
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26631)	AA	ACA-	GGA	ATGT	TTT	CA	TG	CAGG	TCA	CAC	AGT	CT	ATTTAT	AT	TGTACC	TTT	GAA	TAG	AA	AG	AG	CAC	ACT	CA
SARS-CoV-2 Reference Genome NC_045512.2	(26608)	TT	ACA	TGGA	TTGT	CTCT	TCA	CA	ATTG	CT	ATG	CA	ACAGG	AA	TAGGTT	TTT	GTAT	-AT	AA	TT	AG	TTA	AT	TTT	
															Section 378										
	(27899)	27899	27910		27920		27930		27940		27950		27960		27972										
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26704)	GAA	CG	TAA	GA	CT	TAGAAT	TAA	AGGCC	TCCCC	CAC	TG	GC	CATAGCA	GCA	CCCTA	GCT	CACA	AC	AG	TTG	AA	GGT		
SARS-CoV-2 Reference Genome NC_045512.2	(26681)	---	CT	CT	GG	CT	G----	TTAT	GGCC	AGTAA	CTT	TAGC	TTG	TTTT	GTG	CTTGCT	GCT	GTTT	AC	-AGA	AT	AA	AT	T	

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																Section 379																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	(27973)	27973	27980	27990	28000	28010	28020	28030	28046																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26778)	GGT	TTT--	GGTG	TGAACA	CTAA--	GATGCC	CTTCT	CTGTTG	AA	TTGGG	CTGGT	TCAGC	CC	CCA	CTTCC	CTC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
SARS-CoV-2 Reference Genome NC_045512.2	(26746)	GGAT	CACCC	GGTG	GAA	TTGCTA	TCGCA	ATGG	CTTGT	CTGTAG	GC	TTGAT	G	TGGC	TCAGC	TA	CTT	CAT	TGCTT	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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	(28047)	28047	28060	28070	28080	28090	28100	28110	28120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(26848)	CGG	C	CAGG	TG	CCAT	TTTGC	T	CGTA	AC	C	CCCTG	TAA	CA	G	C	CTG	CA	A	GA	C	A	G	A	-	TA	A	C	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

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										Section 386
	(28491)	28491	28500	28510	28520	28530	28540	28550	28564	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (27283)	G	G	C	A	G	T	G	G	A	T
SARS-CoV-2 Reference Genome NC_045512.2 (27234)	A	G	C	A	G	T	G	G	A	T
										Section 387
	(28565)	28565	28570	28580	28590	28600	28610	28620	28638	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (27353)	C	A	A	T	A	C	G	A	A	A
SARS-CoV-2 Reference Genome NC_045512.2 (27306)	C	A	T	A	C	G	A	A	A	A
										Section 388
	(28639)	28639	28650	28660	28670	28680	28690	28700	28712	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (27427)	T	T	G	C	T	T	G	A	G	A
SARS-CoV-2 Reference Genome NC_045512.2 (27370)	C	C	A	A	T	G	A	G	A	T
										Section 389
	(28713)	28713	28720	28730	28740	28750	28760	28770	28786	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (27501)	G	A	G	A	C	C	T	G	A	C
SARS-CoV-2 Reference Genome NC_045512.2 (27441)	G	---	C	T	T	A	T	C	A	C
										Section 390
	(28787)	28787	28800	28810	28820	28830	28840	28850	28860	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (27575)	T	T	T	A	T	G	C	A	T	A
SARS-CoV-2 Reference Genome NC_045512.2 (27499)	T	C	T	C	T	G	A	C	A	T
										Section 391
	(28861)	28861	28870	28880	28890	28900	28910	28920	28934	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (27643)	A	A	A	T	A	G	T	A	T	T
SARS-CoV-2 Reference Genome NC_045512.2 (27572)	G	C	A	C	T	C	A	---	A	T
										Section 392
	(28935)	28935	28940	28950	28960	28970	28980	28990	29008	
Homo sapiens chromosome 1 NC_000001.11: 11783698-... (27717)	C	T	C	T	---	T	G	T	T	G
SARS-CoV-2 Reference Genome NC_045512.2 (27643)	C	C	T	A	A	C	T	G	T	T

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Section 393									
	(29009)	29009	29020	29030	29040	29050	29060	29070	29082
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(27787)	GTGATTCTC-C--T--GCCTCA	GCCTCC	AAGTAGCTGG	GATTACAGG	CGTCTGCC	CAACAC	ACCCCGG	CTAATTT
SARS-CoV-2 Reference Genome NC_045512.2	(27715)	GTGTTTATAAACACTTTGCTTCA	CACTC	AAAGAAAGACA	GATGATTGAACTTT	CATTATTTGA	CTTCTA	--TT	
Section 394									
	(29083)	29083	29090	29100	29110	29120	29130	29140	29156
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(27856)	TGTATTTTTAGTAG	AGACGAGGCTTC	TCCATGTTGG	TACGGCTGGTCT	TGA	ACTCC	TGGC-CTC	GGGTGATCCG
SARS-CoV-2 Reference Genome NC_045512.2	(27787)	TGTGCTTTTT--TAG	CCTTTCTGCTAT	TCC	TGTTT-TA	ATTATGCTTAT	TATCTTT	TGGTTCTC	ACTTGA
Section 395									
	(29157)	29157	29170	29180	29190	29200	29210	29220	29230
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(27929)	CCC	GCTTGGCC	TCCAAAGTGC	TGGGATTACAG	ACGTGAGCC	ACTGCGCC	CAGCTA	ATTCTACAGTCAATTTT
SARS-CoV-2 Reference Genome NC_045512.2	(27858)	CAAGA-----TC	ATAA-----TG	AAACTTGTC	ACG----CCT	AAACGAA	CATGA	AATTTCT	TGTTT---TCT
Section 396									
	(29231)	29231	29240	29250	29260	29270	29280	29290	29304
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28003)	TAGAAATATTTTCA	TCACTGAGAG	GAAACCTG	CACTCAT-TAG	CAGCCACT	TGCTGTCTC	CTTGC	CCCTGAC
SARS-CoV-2 Reference Genome NC_045512.2	(27913)	TAGGA-ATCA	TCA	CAAC	TGTAGCTG	CA	ATTTAC	CAAGAATG	TAGTTTACAGT-CATGTACTC
Section 397									
	(29305)	29305	29310	29320	29330	29340	29350	29360	29378
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28076)	TCCAGGC	AACAGTGA	CTCCTTTCTGTCTATTTGC	CTATTCTAGAT	ATCTAA	AAACCTTCTA	AATGTT	TACGG
SARS-CoV-2 Reference Genome NC_045512.2	(27982)	CATATGTAGTTGA	TGAC	CCGTGTCTCTATTC	ACTT--CTATTCTA	AATGGTATATT	AGAGTAGGA	--GCT	TAGAAA
Section 398									
	(29379)	29379	29390	29400	29410	29420	29430	29440	29452
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28150)	AACCATATCATTA	TATGATGGAAC	CATCAATGAAG	TACTTGAC	CAGTAATTTCC	ATACATATTTT	TGAT	GAAAGG
SARS-CoV-2 Reference Genome NC_045512.2	(28052)	ATCAGCACTTTA	ATTGAATTGTGCGT	GATGAGG--CT	GTTCTAAATCAC	CCATTCA	GTA	TCGAT	ATCGG
Section 399									
	(29453)	29453	29460	29470	29480	29490	29500	29510	29526
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28224)	C	AAGGGTATTGTTTC	TCTCTGCTC	CAGGCACCACTCGC--	GGAAC	ACTGCTAACACC	GATA	TGTGGAG-GTT
SARS-CoV-2 Reference Genome NC_045512.2	(28124)	TAA	TTATACAGTTTC	CTGTTTACCTTT	ACAATTAATTGC	CA	GGAACCTAAAT	TGGGTA	GTCTTGTAGTGC

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		Section 400																										
		(29527)	29527	29540	29550	29560	29570	29580	29590	29600																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28295)	(29527)	GTTTC	CCCACTA	CTCAG	GAGGCT	GAGGTG	GGAGG	ATGGCT	TAA	GCCCAG	GAGTTGG	AGGTTG	CAGTGA	AACCGA	G												
SARS-CoV-2 Reference Genome NC_045512.2	(28198)	(29527)	GTT--	CGTTCTA	TGAAG	ACTTTT	T	TAGA--	GTATC	ATGAC	GTTC	GT---	GTTGTTT	AGATT	CATCT	AAACGA	A											
		Section 401																										
		(29601)	29601	29610	29620	29630	29640	29650	29660	29674																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28369)	(29601)	ATTAT	ATGCC	ACTG	CACTCC	ATG--	CTGGGTGA	CAGAG	GAAA	G--	ACCCC	ATCTCA	AAAAAAAAA	AGTAG	TAG	GT											
SARS-CoV-2 Reference Genome NC_045512.2	(28265)	(29601)	CAA	ACTAA	AA	TGTCT	GTGATA	ATG	GAC	C	CCAAAA	T	CAGC	GAAA	TGC	ACCCC	GCA	TTACGTTTGGTGGACCC	T	CAGA								
		Section 402																										
		(29675)	29675	29680	29690	29700	29710	29720	29730	29748																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28437)	(29675)	TGTC	ACCT	GCA	TTTCT	CAGCA	GCTG	GCAGTGA	AAT	TGAAG	GTTC	CAGG	ACTC	CCTC	CTTGAGTTT	GGTTA	AC	TT									
SARS-CoV-2 Reference Genome NC_045512.2	(28339)	(29675)	TTCA	AC	TG	GCA	G	TAA	CAGAA	TGGAG	GA	ACGC	AG	TGG	GGC	G	CAT	C	AAA	ACAA	CGTC	GGCCCCAAG	GT	TTA	CC	CA		
		Section 403																										
		(29749)	29749	29760	29770	29780	29790	29800	29810	29822																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28511)	(29749)	GCTAG	AGC	GG	GTC	AGAAAA	CAC	CAG	AAAT	GCT	ACT	TACAT	TT	GCTAG	TTTATTAA	TAAA	AGGATA	TC	---	AT	AAA						
SARS-CoV-2 Reference Genome NC_045512.2	(28413)	(29749)	ATA	A	ACT	GC	GTC	TTGGTT	CAC	CG	CTC	T	C	--	ACT	CA	ACAT	TG	GC	AG	GAAGACCT	TAAA	TTCCCT	TC	GAGG	A	AA	G
		Section 404																										
		(29823)	29823	29830	29840	29850	29860	29870	29880	29896																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28581)	(29823)	GGAT	TAC	CAG	AAG	AA	CA	AG	GC	CAG	TGGAGAG	ATTCA	AGG	AA	CG	TGG	GAGGGGG	CACG	GAGCT	TT	CATG	CCCTC	TC	CA			
SARS-CoV-2 Reference Genome NC_045512.2	(28485)	(29823)	GCG	TT	CCA	ATT	AA	CA	C	CA	TA	GCAGTCC	AGATG	ACC	AA	AT	TGG	CTACTAC	C	GAAG	GAGCT	AC	CAG	AC	GAAT	TC	GT	
		Section 405																										
		(29897)	29897	29910	29920	29930	29940	29950	29960	29970																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28655)	(29897)	GGC---	ACG	CTA	CCCT	TCCA	AGGA	AC	CTC	CA	AA	C	GGTTCA	GCTGT	CT	TGGA	AGCT	CT	CT	GAAC	CTT	GT	CATTT	--	T		
SARS-CoV-2 Reference Genome NC_045512.2	(28559)	(29897)	GG	TGGTG	ACG	GT	AAAA	T	GAA	AGAT	CT	--	CAGT	C	CAAGAT	GG	TATTT	CT	ACTAC	CT	AG	GAAC	TGG	GC	CA	GAAG	C	T
		Section 406																										
		(29971)	29971	29980	29990	30000	30010	30020	30030	30044																		
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(28723)	(29971)	GGAG	TT	--	T	TATGG	AA	GCT	TTTTTA	TG	CAG	--	TCAT	GAT	T	GATTA	CAT	C	ACCAG	C--	CCTTG	GTG	AT	CAG	CTTA		
SARS-CoV-2 Reference Genome NC_045512.2	(28631)	(29971)	GG	ACTT	CCC	TATGG	T	GCT	AACAA	GA	CG	GC	TCAT	AT	GG	TTG	CA	ACT	TGAG	GGAG	CCTTG	A--	AT	ACA	C	CA		

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		Section 407									
		(30045)	30045	30050	30060	30070	30080	30090	30100	30118	
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(28791)	ACCT	TCAGC	TTGGT	CTCT	GCC	TGGAG	GGG	ATGGG	TG-T
SARS-CoV-2 Reference Genome NC_045512.2	(28701)		AAGA	TCACAT	TTGGCAG	-CCG	CAATCCT	GCT	AACAA	TGCT	GCAT
		Section 408									
		(30119)	30119	30130	30140	30150	30160	30170	30180	30192	
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(28861)	GTGA	CCAG	CC-	CTTTT	CTGAAG	CCAT	CTAAGG	GC	CCC
SARS-CoV-2 Reference Genome NC_045512.2	(28774)		GCC	AAA	AGG	CTT	CTACG	GAGAAG	GGAG	CAG	AGG
		Section 409									
		(30193)	30193	30200	30210	30220	30230	30240	30250	30266	
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(28933)	CCAC	GGCT	CAAA	AAAA	AAAA	AA--	AGAC	CAA-	AGTAT
SARS-CoV-2 Reference Genome NC_045512.2	(28846)		CAAC	AGT	TCAA	GAA	ATTC	AA	CTCC	AGG	CAGC
		Section 410									
		(30267)	30267	30280	30290	30300	30310	30320	30330	30340	
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(29002)	TGTG	TG	TGTG	TGTA	TTG	T	GGG	GCT	CAGA
SARS-CoV-2 Reference Genome NC_045512.2	(28920)		ATGC	TG	CTCT	TGCT	TTG	CT	GCT	TGAC	AGAT
		Section 411									
		(30341)	30341	30350	30360	30370	30380	30390	30400	30414	
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(29072)	T	CCAC	CCTCA	CACTT	TGTC	CT	CCC	AAA	G
SARS-CoV-2 Reference Genome NC_045512.2	(28994)		-	CAAC	AAGGC	CAAAC	TGTC	ACT	AAG	AAA	T
		Section 412									
		(30415)	30415	30420	30430	30440	30450	30460	30470	30488	
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(29146)	CTGG	ACCTACC	AGAG	GGAACACA	-GTTG	TC	TTTGAT	CCCTT	TCCT
SARS-CoV-2 Reference Genome NC_045512.2	(29065)		C	ACTA	AAGCAT	CAAT	GTAACACA	AGCT	TTTC	GGCAGA	CGTGG
		Section 413									
		(30489)	30489	30500	30510	30520	30530	30540	30550	30562	
Homo sapiens chromosome 1 NC	000001.11: 11783698-...	(29213)	ATT	AAA	CT	CATC	TT	ACA	GAGGA	GACTGA	AG
SARS-CoV-2 Reference Genome NC_045512.2	(29139)		A	GG	AA	-	CTA	ATC	AG	ACA	-

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		Section 414							
	(30563)	30563	30570	30580	30590	30600	30610	30620	30636
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(29286)	TTGTTT	GTTC	-----	ACTGTC	CCAT	ACAATTTCCA	AAGAGAAT	CATTAC-AGATGATATCTGCTTCCAGAT
SARS-CoV-2 Reference Genome NC_045512.2	(29206)	TT	CAGC	GTTC	TTCGG	AT	TGTC	CGCA	TTGGCATGGAAGTCACACCTTCGGGAACTGGT-TGACCTACACAGGT
		Section 415							
	(30637)	30637	30650	30660	30670	30680	30690	30700	30710
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(29354)	CCAT	TCA	---T	TCCCC	ACT	AAGA	ATT--	ATTTCTC--C
SARS-CoV-2 Reference Genome NC_045512.2	(29279)	GG	CA	TCA	AAT	TGGATG	AC	AAGA	TCCAAATTTCAAAGATCAAGTCATTTTGCTGAATAAGCATAT
		Section 416							
	(30711)	30711	30720	30730	30740	30750	30760	30770	30784
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(29420)	GTAT	AGA	-----	AGCGT	CTGT	ACT	CGCTG	GCATTATT-----GGGTAATCATTCTGCAG---TTCCCTGT
SARS-CoV-2 Reference Genome NC_045512.2	(29353)	CAA	AA	CA	TTCCC	AC	CA	CAG	AGCCTAAAAAGGACAAAAAGAAGAAAGGCTGATGAAACTCAAGCCTTACCGCAGA
		Section 417							
	(30785)	30785	30790	30800	30810	30820	30830	30840	30858
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(29479)	G-CA-AT	GCAT	TGTTAA	AATAA	GTG	GAT	GCCTTT	GTCTCCATTAAATCTGCCT--TTTGTCTGGTTCACTTTT
SARS-CoV-2 Reference Genome NC_045512.2	(29427)	GACA	GAG	AA	ACAGC	AA	ACT	GTG	ACTCTTCTCTGCTGCAGATTTGGA
		Section 418							
	(30859)	30859	30870	30880	30890	30900	30910	30920	30932
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(29549)	A	CC	TT	TAG-AG	AG-TGA	A--	AGGGG	AAGCTTTTCTCTTG--GCCGCTACAAATCATATGTAGGTGCATATATG
SARS-CoV-2 Reference Genome NC_045512.2	(29501)	T	CC	AT	GAG	CAG	TG	CTGA	CTCACTCAAGCCTAAACTCATGCA
		Section 419							
	(30933)	30933	30940	30950	30960	30970	30980	30990	31006
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(29617)	TTT	AA	TC	ACTT	AT	GGATGA	GT	CTAGTTTCTAAAG-TACTTTTTCATCACTGTGTT-TCTTTTCTGATCAGTA
SARS-CoV-2 Reference Genome NC_045512.2	(29574)	TTT	--	TC	GCTT	TT	CC----	GT	TTACGATATATAGTC
		Section 420							
	(31007)	31007	31020	31030	31040	31050	31060	31070	31080
Homo sapiens chromosome 1 NC_000001.11: 11783698-...	(29689)	-	AAAA	AGAT	TT	TT	TTT	TTT	TTT
SARS-CoV-2 Reference Genome NC_045512.2	(29642)	C	AA	GT	AGAT	G	TAG	TT	AAC

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										Section 421		
	(31081)	31081	31090	31100	31110	31120	31130	31140	31154			
Homo sapiens chromosome 1 NC. 000001.11: 11783698-...	(29758)	ATCTCGGCTCAC	TGCAG	CC	TCTGCC	TC	CTGGGTTC	AAGCGATT	CTCTGCC	TCAGCCACCCTAGT---	AGCTG	
SARS-CoV-2 Reference Genome NC_045512.2	(29716)	AGC	CACCA	CATTTTCA	CC	GAGGCC	ACGGGAGT	ACGATCGA	GTGTACAG	--TGAACAATG	CTAGGGAGAGCTG	
										Section 422		
	(31155)	31155	31160	31170	31180	31190	31200	31210	31228			
Homo sapiens chromosome 1 NC. 000001.11: 11783698-...	(29828)	GGATTA	CAAGTGT	GTGC	CA	CCACACCC	ACC	TAATTT	GTGTATTT	TTTGGT	TAGAGACGGGGTTT	CGCCATGTTGGC
SARS-CoV-2 Reference Genome NC_045512.2	(29787)	CCTA	TA	TGGAA	GA	GCC	CTA	ATGTGTAA	AT	TAATTT	TAGTGA	TGCTA-TCCCCATGTGATTTTAATAGCTTCTT
										Section 423		
	(31229)	31229	31240	31250	31260	31272						
Homo sapiens chromosome 1 NC. 000001.11: 11783698-...	(29902)	C	GG	-----								
SARS-CoV-2 Reference Genome NC_045512.2	(29860)	A	GG	AGAATGACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA								