

SARS-CoV-2 + human DNA.apr

		Section 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(1)	1	10	20	30	40	50	60	70	85																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	(1)	TT	TCTCTGTTTGT	TTTTGT	TA	CC	TTCTCT	TG	CACTGT	AGCT	-T	ATT	T	TA	AT	TGGTCT	TAT	AT	GC	CTG	CTAG	TT	GGG	TG	ATGC	GT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	(1)	GA	TCACAGG	TCTA	TCACCC	TA	--	TTA	AC	CACT	CAC	GG	GAGCT	C	T	CCA	T	GC	ATT	TGGT	AT	TT	T	CTG	G	----	GGG	GT	ATGC	AC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(86)	86	100	110	120	130	140	150	160	170																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	(85)	ATT	ATGA	CAT	G	TTG	GAT	AT	GG	T	GAT	A	C	TAG	T	T	T	G	T	CT	GGT	T	T	TA	AG	C	T	A	A	A	A	G	A	C	T	G	T	GG	T	GT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	(79)	GCG	ATAG	CAT	T	GC	--	GAG	AC	GC	T	G	AG	CC	C	G	G	AG	C	ACC	CT	AT	G	T	CG	C	AG	-	T	AT	C	T	G	T	G	--	AT	T	CC	TGC	TC	AT	C	-	T	AT	T	AT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(171)	171	180	190	200	210	220	230	240	255																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	(170)	T	A	C	T	A	A	T	C	T	T	A	T	G	A	C	A	G	C	A	A	G	A	C	T	G	T	G	T	A	T	G	A	A	T	G	T	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C	T	T	G	T	A	C

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		Section 8									
		(596)	596	610	620	630	640	650	660	670	680
SARS-CoV-2 Region 11168 - 29055 nt	(593)	AGA	ATA	G	C	A	T	A	G	A	T
Homo sapiens mitochondrion NC_012920.1	(537)	C	--	ATA	C	CC	-	GA	AC	C	AA
		Section 9									
		(681)	681	690	700	710	720	730	740	750	765
SARS-CoV-2 Region 11168 - 29055 nt	(675)	G	T	C	T	A	A	A	T	G	T
Homo sapiens mitochondrion NC_012920.1	(617)	G	T	T	A	G	A	C	G	G	G
		Section 10									
		(766)	766	780	790	800	810	820	830	840	850
SARS-CoV-2 Region 11168 - 29055 nt	(756)	-	A	T	T	G	T	G	G	C	T
Homo sapiens mitochondrion NC_012920.1	(702)	C	A	T	C	C	C	C	G	T	T
		Section 11									
		(851)	851	860	870	880	890	900	910	920	935
SARS-CoV-2 Region 11168 - 29055 nt	(837)	A	C	T	A	C	T	T	T	C	T
Homo sapiens mitochondrion NC_012920.1	(781)	A	A	A	A	C	G	C	T	A	G
		Section 12									
		(936)	936	950	960	970	980	990	1000	1010	1020
SARS-CoV-2 Region 11168 - 29055 nt	(921)	A	C	A	A	G	C	T	A	T	A
Homo sapiens mitochondrion NC_012920.1	(862)	A	C	T	A	A	C	C	C	A	G
		Section 13									
		(1021)	1021	1030	1040	1050	1060	1070	1080	1090	1105
SARS-CoV-2 Region 11168 - 29055 nt	(1006)	A	A	T	G	G	T	G	A	T	T
Homo sapiens mitochondrion NC_012920.1	(942)	A	G	T	G	T	T	T	A	G	A
		Section 14									
		(1106)	1106	1120	1130	1140	1150	1160	1170	1180	1190
SARS-CoV-2 Region 11168 - 29055 nt	(1091)	A	A	C	G	T	A	A	G	T	T
Homo sapiens mitochondrion NC_012920.1	(1021)	T	A	C	G	A	A	A	G	T	G

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		Section 15																	
		(1191)	1191	1200	1210	1220	1230	1240	1250	1260	1275								
SARS-CoV-2 Region 11168 - 29055 nt	(1164)	GG	CAA	AGT	TACTAGT	GCTATG	CAGACA	ATGCTTTT	CACTATG	CTTAGA	AAGTTGGATAATGATGCAC	TCAAC							
Homo sapiens mitochondrion NC_012920.1	(1106)	CT	CAA	AGT	TAAATCAA	CAA	AAC	TGCTCGC	CAGAA	CAC	TATGCTTC	CAAT							
		Section 16																	
		(1276)	1276	1290	1300	1310	1320	1330	1340	1350	1360								
SARS-CoV-2 Region 11168 - 29055 nt	(1249)	AATG	CAAG	AGATG	GTTTG	TGTTCC	TGAAC	ATAAT	ACCTCTTA	CAACAG	CAGCCAA	AACTAATGGTTGT	CATAC	CCAG	ACTATAA	CA			
Homo sapiens mitochondrion NC_012920.1	(1188)	A	TCC	C	TCT	AGA	G	GAGCC	TGTTCT	TGTAATCG	ATAA	ACC	CGAT	CAAC	CT	CAC	C		
		Section 17																	
		(1361)	1361	1370	1380	1390	1400	1410	1420	1430	1445								
SARS-CoV-2 Region 11168 - 29055 nt	(1334)	CA	TAT	AAA	AA	TAC	GTG	TGAT	GGTAC	AA	CA	ATTT	ACTAT	TGCATC	AG	CA	ATTGTG	G	
Homo sapiens mitochondrion NC_012920.1	(1267)	TC	TTC	AGC	AA	ACC	CTGA	TGA	AGG	--	CTACA	---	AAG	TA	AGC	GCA	AGT	ATCCCATG	
		Section 18																	
		(1446)	1446	1460	1470	1480	1490	1500	1510	1520	1530								
SARS-CoV-2 Region 11168 - 29055 nt	(1418)	AAAT	TG	TTCA	ACT	TAG	TGA	AAT	TAG	TAT	TGGA	CA	ATT	CA	CTA	ATT	TAGC	ATGG	
Homo sapiens mitochondrion NC_012920.1	(1346)	A	GG	TG	CAAG	AA	TGG	GCT	ACAT	TTT	CT	TACC	CA	GAA	AA	CTA	CGA	TAGC	
		Section 19																	
		(1531)	1531	1540	1550	1560	1570	1580	1590	1600	1615								
SARS-CoV-2 Region 11168 - 29055 nt	(1503)	T	GC	TG	TCA	AA	TAC	AGAA	TA	ATGA	GCTTAGT	-----	CC	TG	TT	GC	AC	TACG	ACAGATGTCTTGTGCTG
Homo sapiens mitochondrion NC_012920.1	(1428)	-	GC	AGT	-	AAA	CTA	AGAG	TA	GAGT	GCTTAGT	TGAACAGGG	CC	CTG	AA	GC	G	CGTAC	ACACCGCCCGT
		Section 20																	
		(1616)	1616	1630	1640	1650	1660	1670	1680	1690	1700								
SARS-CoV-2 Region 11168 - 29055 nt	(1578)	AACTG	CCTG	CAC	TG	ATG	ACAA	TG	CGTT	AGCTT	ACTACA	AA	CA	AA	CA	AA	GG	GAGG	TAGGTTTGTACTTG
Homo sapiens mitochondrion NC_012920.1	(1510)	TCAA	AGG	AC	ATT	TAA	CTA	AAA	CC	CTAC	GCAT	TTT	TAT	AT	AG	AGG	AG	CAAGTCG	TAACATG
		Section 21																	
		(1701)	1701	1710	1720	1730	1740	1750	1760	1770	1785								
SARS-CoV-2 Region 11168 - 29055 nt	(1662)	AC	AG	GA	TTT	GAA	TG	GGC	TAG	ATT	CC	TAA	AG	AG	TGA	TGG	AACT	GGT	ACTATCTATACAGAACTTGG
Homo sapiens mitochondrion NC_012920.1	(1594)	GG	AC	GA	ACC	AG	TG	---	TAG	CTT	AAC	ACA	AAG	C	ACCC	AACT	TAC	ACT	---

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		Section 22																				
		(1786)	1786	1800	1810	1820	1830	1840	1850	1860	1870											
SARS-CoV-2 Region 11168 - 29055 nt	(1744)	GTTACAGACACACCTAAA	GGTCCT	AAAGTGAA	AGTATTTAT	ACTTTTATTA	AAAGGATTA	AACAACCT	AAATAGAGG	TATGG	TACTT	G										
Homo sapiens mitochondrion NC_012920.1	(1671)	GCTAAACCTAGCCCAA	CCCACT	CCACCTT	ACTACC-	AGACAACC	TTAGCCA	AACCATTT	ACC	CAATAAAG	-TATAG	GCGATTA										
		Section 23																				
		(1871)	1871	1880	1890	1900	1910	1920	1930	1940	1955											
SARS-CoV-2 Region 11168 - 29055 nt	(1879)	GTAGTTTA--G	CTGCCACAG	TACGTCT	CAAGCTG	GTAATG	CAACAGAA	GTGCCTGCCA	ATTCAA	CTGTAT	TATCTTTCT	GTGCT										
Homo sapiens mitochondrion NC_012920.1	(1754)	GAAATTGA	AAACCTGG	CGCAATAG	TATAGTACC--	GCAAGG	GAAGAAAGAT	GAAAAATTAT	AACCAA	GCAATA	TATAGCAAG	GACTA										
		Section 24																				
		(1956)	1956	1970	1980	1990	2000	2010	2020	2030	2040											
SARS-CoV-2 Region 11168 - 29055 nt	(1912)	TTTGCTGTAGAT	TGCTGCTAA	GCCTACAAAG	ATTATCTAG	CTAGT	AGTGGGGGA	CAACCAATCA	CTAA	TTGTTGT	TAAGATGTTTGT	TA										
Homo sapiens mitochondrion NC_012920.1	(1836)	ACCCCTAT	TACCCTCTGC	ATAA--TGA	-----	ATTAACTAG	AAATAA	CTTTG	CAAGGAGAGC	CAAA--	GCTAAGA	CCCCCGAA										
		Section 25																				
		(2041)	2041	2050	2060	2070	2080	2090	2100	2110	2125											
SARS-CoV-2 Region 11168 - 29055 nt	(1997)	CACACAC	TGCTA	CTGGTCA	AGGCAAT	AACAGTTA	CACCGGAAG	CCAATATG	GATCAAGA	AATCCTTT	GGTGGTGC	ATCGTGT	TGCT									
Homo sapiens mitochondrion NC_012920.1	(1910)	C-CAG	ACGAG--	CTACCT	AAG-AA	CAGGTAAA	AGAGGAC	ACC	CGTCTATG	TAGCAA	-AATAG	TGGGAA	GATTTATAG-GT	AGG								
		Section 26																				
		(2126)	2126	2140	2150	2160	2170	2180	2190	2200	2210											
SARS-CoV-2 Region 11168 - 29055 nt	(2082)	GTACTGCGTT	TGCCACATAG	ATCATC-	CAAACT	CCTAAAG	GATTT--	TGTGACTT	AAAAGG	TAAATATG	TACAAAT	ACCTAC	CAACT									
Homo sapiens mitochondrion NC_012920.1	(1989)	CGAC	AAACCTTAC	CGAGCCT	GGTGAT	AGCTGGT	TGTTCC	AGATAGAA	TCTTAG	TTCACTT	TAAATTTG	CCACAG	AAC--CCTCT									
		Section 27																				
		(2211)	2211	2220	2230	2240	2250	2260	2270	2280	2295											
SARS-CoV-2 Region 11168 - 29055 nt	(2164)	TGTGCTAAT	GACCC	TGTGGG	TTT	TACAC	TTAA--	AAACA	CAGTCT	GTA	CCGTCTG	CGGTAT	G	TGG	AAAGG	TTATG	CTGT	AGT	T			
Homo sapiens mitochondrion NC_012920.1	(2072)	A-----	AATCC	CCCTGT	AAAA	TTTAA	CTGTTA	GTCC	AAAG	AGGAA	CAGCT	C	TTTGG	ACAC	TAGG	AAAA	AAACC	TTGTAG	GAGAG	AGTA		
		Section 28																				
		(2296)	2296	2310	2320	2330	2340	2350	2360	2370	2380											
SARS-CoV-2 Region 11168 - 29055 nt	(2246)	GTGATCAAC	TCCGCGA	ACCCAT	GCTTC	AGTCA	AGCTGA	TGCA	CAATCG	T	TTTAA	AA	CGG	GTTTGC	GGTGT	AAGTG	CAGCC	CGTCT	T			
Homo sapiens mitochondrion NC_012920.1	(2152)	---	AAA	AA	T	TAA	C--	ACCCAT	AGT--	AGG	CTAAA	AGCAG	CA	CCAA	TTAAG	AAAGC	GTTCA	AGCTCA	ACACC	CA---	CTA	CT

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		Section 29									
		(2381)	2381	2390	2400	2410	2420	2430	2440	2450	2465
SARS-CoV-2 Region 11168 - 29055 nt	(2331)	AC	ACC	TGC	GGC	ACA	GGC	AC	TAG	CT	GA
Homo sapiens mitochondrion NC_012920.1	(2227)	AAA	AAA	TCC	CAA	ACA	----	TA	TA	ACT	GA
		Section 30									
		(2466)	2466	2480	2490	2500	2510	2520	2530	2540	2550
SARS-CoV-2 Region 11168 - 29055 nt	(2412)	AA	ATT	CC	TAA	AA	ACT	AA	TTG	TTG	TC
Homo sapiens mitochondrion NC_012920.1	(2306)	ATA	AG	--	TAA	CA	TGA	AA	ACA	TT	CT
		Section 31									
		(2551)	2551	2560	2570	2580	2590	2600	2610	2620	2635
SARS-CoV-2 Region 11168 - 29055 nt	(2496)	CAC	AC	TT	TCT	CTA	ACT	AC	CA	AC	AT
Homo sapiens mitochondrion NC_012920.1	(2379)	C	CA	AT	A	T	F	C	T	---	AC
		Section 32									
		(2636)	2636	2650	2660	2670	2680	2690	2700	2710	2720
SARS-CoV-2 Region 11168 - 29055 nt	(2580)	AAG	TTT	AG	AA	TAG	A	CGG	TG	AC	AT
Homo sapiens mitochondrion NC_012920.1	(2446)	AAG	GAA	AG	GT	TAA	AAAA	AG	TAA	AGG	AAC
		Section 33									
		(2721)	2721	2730	2740	2750	2760	2770	2780	2790	2805
SARS-CoV-2 Region 11168 - 29055 nt	(2662)	CT	T	TA	AGG	CA	TTTT	GAT	GAA	G	GTA
Homo sapiens mitochondrion NC_012920.1	(2531)	-	TT	AG	AGG	CA	CCG	CCT	----	G	CCC
		Section 34									
		(2806)	2806	2820	2830	2840	2850	2860	2870	2880	2890
SARS-CoV-2 Region 11168 - 29055 nt	(2743)	TC	AA	TAAA	AAGG	-	AC	TG	STAT	GAT	TT
Homo sapiens mitochondrion NC_012920.1	(2610)	TC	CT	TAAA	T	AGG	G	AC	CT	G	TAT
		Section 35									
		(2891)	2891	2900	2910	2920	2930	2940	2950	2960	2975
SARS-CoV-2 Region 11168 - 29055 nt	(2824)	AAG	CTTT	G	TTA	AA	AA	CA	GTA	CAA	TT
Homo sapiens mitochondrion NC_012920.1	(2693)	AAG	AGG	C	GGC	A	T	AA	CA	CAG	CAA

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		Section 36																
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(2976)	2976		2990		3000		3010		3020		3030		3040		3050		3060
	(2909)	CAATGGTAACTGGTATGATTTCGGTGATTTCATACAAACCA	CG	CCAGGTAGTGGAGTTCTGTGTGTAGATTCTTATTATTCATTG														
	(2772)	CACAGGTCC----	TAAACCTACCAAACCTGCATTA	AAAA	TTT	CG	----	GT	TGGGCGACCTCGGAGCAGAACCA	ACCTCCGAGCA								
		Section 37																
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(3061)	3061		3070		3080		3090		3100		3110		3120		3130		3145
	(2994)	TTAATGCCTATATTAACTGACCAGGGCTTTAACTGCAGAGT	CACATGTTTGACACTTAAACAAAGCCTTACATTAAGTGGG															
	(2849)	GTAATGCTA-----	AGACTTACCAG-----	TCAA	GC	GAACTACTAT-----	ACTCAATTGA-----	TCAA	TAACTTGA									
		Section 38																
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(3146)	3146		3160		3170		3180		3190		3200		3210		3220		3230
	(3079)	ATTTGTTAAAAATATGACTTCA	CGGAAGAGAGGTTAAAACTCTTTGACCGTTATTTAAATAT	TGGATCAGACATACCACCAA														
	(2911)	CCAACGGAAACAAGTTACCTAGGGA	TAA	CAGCGCAATCCTATTCTAGAGTCCA	TATCAA	CAATAGGGTT-----	TAC	AGCCTCGA										
		Section 39																
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(3231)	3231		3240		3250		3260		3270		3280		3290		3300		3315
	(3164)	TTGTGTTAACTGTTTGGATGACA	GATGCATTC	TGCA	TTGTGC	AAAC	TTTAA	TGTTTATTTCTCTACAGTGT	TCCCA	CCTAC	AA	GT						
	(2991)	TGT	TGG-ATCAG-----	GACA	TCCCCGATGG	TGCA	GCC-GCTA--	TTAAAGTT	CGTTTGTTC	AAC	GATTAAAGT	CCTAC	GTGA					
		Section 40																
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(3316)	3316		3330		3340		3350		3360		3370		3380		3390		3400
	(3249)	TTTGGACCACTAGTGAGAA	AATATTTGTGATGGTGTTC	ATT	TGTAGTTTCA	CTGTTAGTTTCA	CTGGATAC	CACTT---C	AGAGAGCTA	GGT								
	(3065)	TC	TGAGTTCAGACC	G-AGTAAT	CCAGGT	CGTTTCTATCTACNTTC	AAATTC	CTCCCTG	TACGA	AAGGACA	AGAGA	AA	TAGGC					
		Section 41																
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(3401)	3401		3410		3420		3430		3440		3450		3460		3470		3485
	(3330)	GTTGTACATAA	TCAGGATGTAAAC	TTACAT--AGC-TCTAG	ACTTAGT	TTAAGGAATT	ACTTGTGTAT	GCTGCTG	ACCC	TGCT								
	(3149)	C	TACTTCA	AAAGCGCCTT	CCCCCGTA	AATGATATCATCTCA	ACTTAGT	TTATACCCAC	ACCCACCC	AAGAA-CAGGGTT	TGTT							
		Section 42																
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(3486)	3486		3500		3510		3520		3530		3540		3550		3560		3570
	(3411)	ATGCACGCTGCTTCTGGTAATC	TATTA	CTAGA	TAAACG	CAC	TACGTGCTTTTCAGT	AGCTGC	ACTTAC	TAACAA	TGTTGCTTTTC							
	(3233)	AAGATGGCAGAGCC	GGTAATC	GCA	TAAAC	CTTAA	AA-CTT	TACAGT	CAGAGGTTCA	ATTCCTCTTCT	TAACAA	CAT	TAC	CA	TGG			

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		Section 43									
		(3571)	3571	3580	3590	3600	3610	3620	3630	3640	3655
SARS-CoV-2 Region 11168 - 29055 nt	(3496)	AAACTGTCAAACCGGTAATTTTAAACAAAGACTTCTA-TGACCTTGCTGTGTCTAAGGGTTTCTTTAAGGAAAGGAAAGTTCTGTTG									
Homo sapiens mitochondrion NC_012920.1	(3317)	CCAAACCCTCTACTCC-TCAATTGTACGCA----TTCTAATCGCAAATGGCATTCTCTAATGCTTACCG-AACGAA--AAATTCTAGGC									
		Section 44									
		(3656)	3656	3670	3680	3690	3700	3710	3720	3730	3740
SARS-CoV-2 Region 11168 - 29055 nt	(3580)	AATTAAACACTTCTTCTTTGCTG-AGGATGGTAATGCTGCTATTCAGCGATATATGACT----ACTATCGTTATAATCTAC--CAA									
Homo sapiens mitochondrion NC_012920.1	(3394)	TATATACA-ACTAGCAGAAAGGCGCAACGTTGTAG-GGCCCTACGCGCTACTACAACCTTCGCTGACGCCATAAAACTCTTCAAC									
		Section 45									
		(3741)	3741	3750	3760	3770	3780	3790	3800	3810	3825
SARS-CoV-2 Region 11168 - 29055 nt	(3658)	CAATGTG----TGATATCAG--ACAACCTACTATTTGTAGTTGAAGTTGTTGATAAGTACTTTGATTGTTACGATGTGGCTGTAT									
Homo sapiens mitochondrion NC_012920.1	(3477)	CAAGAAGCCCCTAACACCGCCACATCTACCATCACCTCTTACA-TACCCGCCCGACCTTAGCTC-TACCATCGCTCTCTTAC									
		Section 46									
		(3826)	3826	3840	3850	3860	3870	3880	3890	3900	3910
SARS-CoV-2 Region 11168 - 29055 nt	(3737)	TAATG-CTAACCAAGTCATCGTCAACAACTAGACAAA-TCAGC--TGGTTTTCATTTTAATAAATGGGGT--AAGGCTAGAC-T									
Homo sapiens mitochondrion NC_012920.1	(3560)	TAGAACCCTCCCATACCACACCCCTGGTCAACCTCAACCTAGGCCCTCTATTATTTATCTAGCCACCTCTAGCCTAGCCGT									
		Section 47									
		(3911)	3911	3920	3930	3940	3950	3960	3970	3980	3995
SARS-CoV-2 Region 11168 - 29055 nt	(3815)	TTATT--ATGATTCAATGAGTTATGAGGATCAAGATGCA-CTTTTCGCATATA----CAAAACGTAATGTTCATCCCTACTATAAC									
Homo sapiens mitochondrion NC_012920.1	(3645)	TTACTCAATCCTCTGATCAGGG-TGAGCATCAACACTCAAACTACGCCCTGATCGGCGCACTGCGAGCAGTAGCCAAACAT--C									
		Section 48									
		(3996)	3996	4010	4020	4030	4040	4050	4060	4070	4080
SARS-CoV-2 Region 11168 - 29055 nt	(3893)	TCAATATGAACTCTTAAGTATGCCATTAGTGCAGAGAATAGAGCTCGCAACCGTAGCTGGTGTCTCTATCTGTAGTACTATGACCAAT									
Homo sapiens mitochondrion NC_012920.1	(3727)	TCAATATGAACTCAACCTTA-GCCATCATTTCTACTATCAACATTACTAA---TAAGTGGCTCTCTTAACCTCTCCACCCCTTATCAACA									
		Section 49									
		(4081)	4081	4090	4100	4110	4120	4130	4140	4150	4165
SARS-CoV-2 Region 11168 - 29055 nt	(3978)	AGACAGTTTCAACAAAAATTATT---GAAATCAATAGCC---GCCACTAGAGGAGCTA---CTGTAGTAATTG-GAACAAAGCAAA									
Homo sapiens mitochondrion NC_012920.1	(3808)	ACACAGAAACCTCTGATTACTCCTGCCATCATGACCCCTTGCCCATATATGATTATCTCCACACTAGCAGAGACCAACCGAA									

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		Section 50									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4166)	4166	4180	4190	4200	4210	4220	4230	4240	4250	
	(4053)	TTCTATG-GTGGTTGGCACAA	CATGTTAAAAAACTGT	TATAGTGTAGAG	AGTGTAGAG	AGTGTAGAG	AGTGTAGAG	AGTGTAGAG	AGTGTAGAG	AGTGTAGAG	AGTGTAGAG
	(3893)	CCCTTCGACCTTGCCGAGGGG	GAGTCCGAACTAGTCTCAG	GCTTCAACATCGAA	TACGAA	TACGAA	TACGAA	TACGAA	TACGAA	TACGAA	TACGAA
		Section 51									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4251)	4251	4260	4270	4280	4290	4300	4310	4320	4335	
	(4135)	AATGTGATAGAGCCATGC-CTAACATGC	TTAGAA	TATGTTGGCC-TCAC	TTGTTCTTGCTCGCA	AACATACA	ACAGTGTGTG	TAGCTTG			
	(3977)	----TCATAGCCGAATACACA	AACATTA	TTATAATAAACA	CCCTCAC	CAC	TACAATCTTCTAGGA	-ACAACATAT	-GACGCAC-		
		Section 52									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4336)	4336	4350	4360	4370	4380	4390	4400	4410	4420	
	(4218)	TCACACCGTTTCTATAGATTAGC	TAA	TGAGTGTGCTCAAG	TATTGAGTGA	AATGGTCATGTGTGG	CGGTTTCAC	TATATGTTAA	AC		
	(4055)	TCTCCCTGAACTCTACAACA	TATTT--TGT	CACCAAG	ACCCTACTTCTAACCTC	-----CTGTTCT	-TATGAATTCGA				
		Section 53									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4421)	4421	4430	4440	4450	4460	4470	4480	4490	4505	
	(4303)	CAGGTGGAACTCATCAGGAGATGCCACA	CAACTGCTTATGCTAA	TA	GTGTTT	TTAACTTTGTCAAG	CTGTCAC	GGCC	AATGTTA		
	(4130)	CAGCATACCCTCGATCCGCTACGAC	-CAACTCATACACCTCCTA	-----TGAAAAAAC	TTCCTAC	CAC	TCACCT	CTAGCATTA-			
		Section 54									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4506)	4506	4520	4530	4540	4550	4560	4570	4580	4590	
	(4388)	TGCACTTTTATCTACTGATGGTAA	CAAAATTGCCGATAGTATGT	CTCCGCAATT	TACAAACAG	ACTTTATGAGTGTCTCT	ATAGA				
	(4207)	----CTTATATGAT---ATGTCTCATA	----CCCATTA	CAATCTCCAGCATTTCC	AGCATTTCCCTCAAACCTA	AGAATATGTCTGATAA					
		Section 55									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4591)	4591	4600	4610	4620	4630	4640	4650	4660	4675	
	(4473)	AA	TAGAGATGTTGACACAG	ACTTTGTGAATGAGTTT	TACGCATATTTGCGTAA	ACATTTCTCAAT	GATGATACCTCTGACGATG				
	(4280)	AA	GAGTTACTTTGATAGAGTAAATAATA	AGGAGCTTAAAC	CCCTTATTCTAGGAC	TATGAGAAATCGAACCACTCTGAGATC					
		Section 56									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4676)	4676	4690	4700	4710	4720	4730	4740	4750	4760	
	(4558)	CTGTTGTGTGTTTCAATAGCAC	TATG-CATCTCAAGGTCTAGT	--GGCTAGCA	TAAAGAACTTTAAGTCAGTTCTTTATTATCA						
	(4365)	CAAAATCTT-----CGTGCCAC	CATCAACCCCATCCCTAAAGTAA	GGTCAAGC-TAAATAAAGCTA	---TCGGGCCATACCCCGA						

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		Section 57									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4761)	4761	4770	4780	4790	4800	4810	4820	4830	4845	
	(4640)	AAACAA	TGTTT	TATG	TCTG	AAGCA	AAATG	TGGA	CTGAGA	CTGACC	TTACT
	(4442)	AAATGT	TGTTT	ATAC	CCCTT	CCCGT	ACTAT	TATC	CTG	CCCA	ACCT
		Section 58									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4846)	4846	4860	4870	4880	4890	4900	4910	4920	4930	
	(4775)	ATGCT	AGTTA	ACAGG	TGATG	ATTAT	TGTAC	CTTCC	TTACC	CAGAT	TCCAT
	(4514)	AGGC	ACACT	CA	TACAG	CGCTA	AGCTC	GCACT	GATTT	TTACC	TGAGT
		Section 59									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(4931)	4931	4940	4950	4960	4970	4980	4990	5000	5015	
	(4810)	ATAT	CGT	AAAAA	CAGAT	TGGT	ACACT	TATG	ATTGA	ACGGT	TTCGT
	(4599)	CTAA	CA	AAAAA	ATAA	----	ACCT	CGT	---	TCC	ACAG
		Section 60									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5016)	5016	5030	5040	5050	5060	5070	5080	5090	5100	
	(4895)	TCA	GGA	GTAT	GCT	GAT	GTCT	TCA	TTT	TGT	ACTT
	(4670)	-CA	TAA	TCC	TCT	AAT	AGCT	ATC	CTCT	TCA	---
		Section 61									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5101)	5101	5110	5120	5130	5140	5150	5160	5170	5185	
	(4980)	TAT	TCT	GT	-TAT	GCT	TACT	ATG	ATA	CACT	TCAAG
	(4750)	CAT	CA	TAA	TAA	TAT	CA	TAA	AACT	AG	GAAT
		Section 62									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5186)	5186	5200	5210	5220	5230	5240	5250	5260	5270	
	(5062)	TCT	TAC	AGG	CTGT	TGG	GGCT	TG	TGTT	CTT	TGCA
	(4835)	CC	TCT	GAC	A--	TCC	GGC	CTG	C-	TTCT	CTCA
		Section 63									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5271)	5271	5280	5290	5300	5310	5320	5330	5340	5355	
	(5146)	GT	TG	TAA	TG	CT	GTTA	CGAC	CATG	TCA	-TAT
	(4909)	CC	TCA	CT	AAA	CG	TAA	GCTT	CTCC	TCA	CTCT

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		Section 64																																					
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5356)	5356		5370		5380		5390		5400		5410		5420		5430		5440																					
	(5230)	GTT-GTGA	TGTCACAG-AT	GTGA	CTCAA	CTTTAC	TTAGGAG	GTATGA	GCTATT	TATGT	ATAAA	TCACATAAA	ACACCC	ATTAGT	TTT																								
	(4992)	CTAC	GCAAAA	TCTTAG	CAT	ACTC	CTCAA	--	TTAC	CC	ACATA	GGATGA	---	ATA	AATAG	CA	GTTC	TACCGTACAA	ACCC-TAACAT	TAA																			
		Section 65																																					
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5441)	5441		5450		5460		5470		5480		5490		5500		5510		5525																					
	(5313)	CCATTG	TGTGC	TAATGG	ACA	AGTT	TTTGGT	TTAT	ATA	AAAA	TAC	ATGTGTTGG	TAG	CGAT	AATGT	TACT	GACT	TTTAA	TGC	AAT	TG																		
	(5071)	CCATTCT	----	TAATTTA	--	ACTA	TTT	ATA	TTAT	CCT	AA	C-TAC	-----	TAC	CGC	-AT	TCC	TACT	-ACT	CA	ACTTA	AACTC																	
		Section 66																																					
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5526)	5526		5540		5550		5560		5570		5580		5590		5600		5610																					
	(5398)	CAACA	TGT-GAC	TGGACA	AAAT	GCTGGTG	A	TTACA	TTTT	AGCTAACA	CC	TG	TACT	GAA	AGA	CTCA	AAGCTTTT	TTGCAG	CAGAA	ACGC																			
	(5138)	CAGCA	CCAC	GAC	CCT	ACT	ACT	TATCTCGC	A	CC	TGA	AA	CA	AGCTAACA	--	TG	-ACT	A	ACC	CTTAA	-----	TTCCAT	CC--	ACC															
		Section 67																																					
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5611)	5611		5620		5630		5640		5650		5660		5670		5680		5695																					
	(5482)	TC	AAAG	CTACTG	AGGAG	ACAT	TTAAA	CTGT	CTTA	TGG	TATT	GCTAG	TGTA	CGTG	AAGT	GCTGT	CTGA	CAG	AGA	ATT	CA	TCTTT	C																
	(5212)	TC	CT--	CTC	CCT	AGGAG	GC	CT	GCCCC	CG--	CTA	ACC	GGC	TTT	TG	C	CA	A----	AT	G	G	C	AT	-TAT	C	G	A	G	A	A	T	-CA	C	A	A	A	A	A	
		Section 68																																					
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5696)	5696		5710		5720		5730		5740		5750		5760		5770		5780																					
	(5567)	ATGGGA	AGTTGG	TAA	CC	TAGA	CCACCA	-CT	TAA	CC	GAA	AT	TATG	-TCT	TTA	CTGGT	TAT	CGT	G	TAA	CTA	AAAA	AC	AGT	TAA	AGT	TAC												
	(5287)	ACAAT	AGCC	T	CAT	CAT	CC----	CCACCA	T	CATAG	CC	ACC	AT	C	CCC	T	C	TTA	ACCTC	TA	-CT	T	C	T	A	C	T	A	C	G	C	T	AA	T	C	T	A	C	T
		Section 69																																					
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5781)	5781		5790		5800		5810		5820		5830		5840		5850		5865																					
	(5650)	AAAT--	AGGAG	AGTAC	CC	T--T	TG-	AAAA	AGT	GACT	AT	GGTGATG	CT	GTT	G	TTT	AC	CGAGG	TACAA	CA	AC	TTA	C	AA	ATT	AAA													
	(5367)	ACC	TCA	ATC	AC	AC	TACT	CC	CATA	TCT	AA	CAAC	GT	AAAA	AT	AAAA	TGA	CAGTT	-TGA	ACA	----	TACAA	AA	C	CAC	CCC	ATT	CC-											
		Section 70																																					
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(5866)	5866		5880		5890		5900		5910		5920		5930		5940		5950																					
	(5729)	TGTTGGTGA	TTAT	TTT	TGCT	GACAT	CACA	TACAG	TAA	TGCCAT	TAA	GTG	CACC	TAC	ACTAG	TGCCACA	AGAG	C	ACT	T	T	G	T	T	A	G	A												
	(5446)	TCCCCACAC	TCAT	C--	GCC	CTAC	CAGG	-TAC	--	TCC	TACC	TAT	CTCCC	CTTT	TAT	ACTA	ATAAT	CTT	AT	AGA	A	ATT	T	A	G	T	T	A											

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		Section 71																								
		(5951)	5951	5960	5970	5980	5990	6000	6010	6020	6035															
SARS-CoV-2 Region 11168 - 29055 nt	(5814)	AT	TACTGGCTT	ATACCCAA	CAC	TCTAA	TATCTCAGAT	GAGTTT	CTCTA	GCAATGT	TGC	AAAT	TATATC	AAAAG	TTGG	TATGCAAAA	G									
Homo sapiens mitochondrion NC_012920.1	(5526)	AA	TACAGAC	CAAGAGCC	TTCA	---	AA	GCCCTCAG	-TAAGTT	----	GCAAT	AC	TTA	ATT	TCTGT	AA	CAGCTAA	GGAC	TGCAAAA	-						
		Section 72																								
		(6036)	6036	6050	6060	6070	6080	6090	6100	6110	6120															
SARS-CoV-2 Region 11168 - 29055 nt	(5898)	TATT	CTACACTC	CAGG	AC	CACCTG	GTAC	TGGTA	AGAGT	CA	TTT	GCTAT	TG	GCCT	AGC	TCT	TACTA	CCCTTC	TG	CTCGCAT	AG					
Homo sapiens mitochondrion NC_012920.1	(5601)	----	CCC	CACTC	T--	GAT	CAACTGA	-AC	GCAA	ATCAG	CAC	TTTAA	T-TAA	GC	TAAGC	TAAGC	CT-TACTA	GAC	CAATG	GG----	AC					
		Section 73																								
		(6121)	6121	6130	6140	6150	6160	6170	6180	6190	6205															
SARS-CoV-2 Region 11168 - 29055 nt	(5983)	TGT	ATA	CAGCT	TTGCT	CTCAT	GCCGCT	GTTGAT	GCAC	TATG	-TG	AGAA	GGCAT	TTAAAA	TATTT	----	GCC	TATAG	--	AT	AAAT	GT				
Homo sapiens mitochondrion NC_012920.1	(5672)	TTA	AAC	CCAG	AAA	CACT	TA	GT	TAA	CAG	CTAA	-GCAC	CC	TAA	TCA	AACT	GGCT	TCAA	TCTA	CTCTCC	GCC	GCCG	GGA	AAAA	GG	C
		Section 74																								
		(6206)	6206	6220	6230	6240	6250	6260	6270	6280	6290															
SARS-CoV-2 Region 11168 - 29055 nt	(6060)	A	G	TAGAA	TTATA	CC	TGCA	CGT	GCTCG	TG	TAG	AGT	GTTT	TGAT	AA	ATTCA	AA	GTGAA	TTCAAC	AT	TAGAA	CAGTA	TGT	CTTT	GTA	
Homo sapiens mitochondrion NC_012920.1	(5756)	G	G	AGAA	GCC--	CG	GCA	GGT	T----	TG	AAG	CTGC	TTCT	TCG	AA	TTTGC	AA	-----	TTCAA	TATG	AAAA	-----	TCA	CT	CG	GAG
		Section 75																								
		(6291)	6291	6300	6310	6320	6330	6340	6350	6360	6375															
SARS-CoV-2 Region 11168 - 29055 nt	(6145)	CTG	TAA	TGCATT	GCCT	GAG	GACAG	CAGAT	ATAGT	TGTC	TTT	GATG	AA	ATTT	CAAT	G	CCACAA	AATT	ATG	ATT	TGAGT	GTT	G	T		
Homo sapiens mitochondrion NC_012920.1	(5825)	CTG	GT	AAAAGAG	GCCT	A	CC	C-----	-----	-----	-----	TGTC	TTT	----	AG	ATTT	ACA	-GT	CCA	-----	ATG	CTT	CAC	-----	T	
		Section 76																								
		(6376)	6376	6390	6400	6410	6420	6430	6440	6450	6460															
SARS-CoV-2 Region 11168 - 29055 nt	(6230)	CA	AT	GCCA	GAT	TTAC	GT	GCTAAG	CACT	-ATGT	GTACA	TT	GG	CGACC	CT	GCTCA	ATTAC	CTG	CACC	ACG	CACAT	TGCTA	ACT	AAG	GG	
Homo sapiens mitochondrion NC_012920.1	(5879)	CA	--	GCCA	TT	TTAC	CT	CACCCC	CACT	GATGT	-----	TC	GC	CGACC	GT	TGA	CTATT	CTCTACA	--	AAC	CACA	AAG	---	AC	-ATT	GG
		Section 77																								
		(6461)	6461	6470	6480	6490	6500	6510	6520	6530	6545															
SARS-CoV-2 Region 11168 - 29055 nt	(6314)	C	ACACTA	GAA	CAGAA	TATT	TCA	ATTC	AGT	TGT	TAGA	CT	TAT	GAAAA	CTA	TAGG	TC	CAG	ACAT	TGTT	CCTC	GGAA	CTT	G	TCGG	CGT
Homo sapiens mitochondrion NC_012920.1	(5951)	A	ACACTA	TAC	-----	TATT	---	ATTC	GG	CG	CAT	TGAG	CT	G--	GAGTC	CTA	--	GGCA	CAG	CTCTAAG	CCTC	----	CTT	AT	-----	-

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		Section 78																																								
	(6546)	6546		6560		6570		6580		6590		6600		6610		6620		6630																								
SARS-CoV-2 Region 11168 - 29055 nt	(6399)	TG	TC	CT	GC	TG	AA	TT	GT	TG	ACA	CT	GT	GA	GT	GC	TT	GG	TT	AT	GA	TAA	TA	AG	CTT	AA	AG	CACA	TAA	AG	GACA	AA	TC	AG	CT	CA	AT	GC	T			
Homo sapiens mitochondrion NC_012920.1	(6014)	--	TC	GA	GC	GA	GC	TG	GG	CC	AG	CA	GG	CA	AC	CT	TC	TA	GG	TA	AC	CA	CC	AC	AT	CT	TAC	AA	CG	T---	TA	TC	GT	CA	AG	CC	CA	TG	CA	TT	TG	
		Section 79																																								
	(6631)	6631		6640		6650		6660		6670		6680		6690		6700		6715																								
SARS-CoV-2 Region 11168 - 29055 nt	(6484)	TT	AAA	AT	GTT	TT	TAT	TA	AGG	GT	GT	TAT	C	ACG	CAT	GAT	--	GTT	CAT	CT	G	CAA	T	T	AC	AG	--	CC	A	CAA	TA	AGG	CG	TG	TA	AGA	GA	AT				
Homo sapiens mitochondrion NC_012920.1	(6094)	TA	AT	AAT	CT	TT	CT	T	CA	TA	GT	AA	T	AC	CC	AT	CAT	AAT	CG	GAG	GT	TT	TG	G	CAA	CT	G	AC	TAG	TT	CC	C	TA	AATA	AT	CG	GT	G	CCCC	GATA		
		Section 80																																								
	(6716)	6716		6730		6740		6750		6760		6770		6780		6790		6800																								
SARS-CoV-2 Region 11168 - 29055 nt	(6565)	T	C	CT	TACA	CGT	TAA	CCCT	GCT	TGG	AG	AAA	AG	CT	GT	CTTT	ATT	T	CA	CCTT	TAT	TA	TC	AC	GA	ATG	CT	G	TAG	CCT	CAA	AGAT	TTT	TG	GG							
Homo sapiens mitochondrion NC_012920.1	(6178)	TGG	----	CGT	TT	CCCC	GC	ATA	TAA	A	CAA	CA	-----	-----	-----	-----	-----	-----	TA	AG	GTT	CT	GA	CT	TT	A	CCT	CC	CT	CT	TCT	CCT	AC	----	TC	CG	---					
		Section 81																																								
	(6801)	6801		6810		6820		6830		6840		6850		6860		6870		6885																								
SARS-CoV-2 Region 11168 - 29055 nt	(6650)	A	CT	AC	CA	ACT	CAA	ACT	GT	T	GATT	C	AT	CA	CAG	GG	CT	CAG	AAT	TAT	GA	CT	AT	GT	CA	TAT	T	CA	CT	CAA	AC	CA	CT	GAA	AC	AG	CT	C	ACT	C	T	
Homo sapiens mitochondrion NC_012920.1	(6240)	-	CT	CG	CA	CT	GCT	ATA	GT	G	GA	GG	C	GG	A	GC	AA	GG	AA	CAG	GT	T	--	GA	ACA	-	GTC	-	TACC	CT	CC	TT	AG	CA	GG	GAA	CT	ACT	C	CACC	C	
		Section 82																																								
	(6886)	6886		6900		6910		6920		6930		6940		6950		6960		6970																								
SARS-CoV-2 Region 11168 - 29055 nt	(6735)	TG	TAA	TG	TAA	AC	AGA	TT	TAA	TGT	TGC	TAT	TACC	AG	AG	CAA	AA	AG	TAG	G	CAT	A	CT	T	TGC	ATA	AT	GT	CT	GAT	AG	AG	AC	C	T	T	ATG	ACA				
Homo sapiens mitochondrion NC_012920.1	(6320)	TG	G	AG	CC	T	CCG	T	AGA	CC	TAA	CCA	T	CT	T	CT	CTT	AC	CA	CT	AG	C	AG	GT	T	CT	C	TAT	CT	T	AG	GG	CC	AT	CA	ATTT	CAT	CA	ACA			
		Section 83																																								
	(6971)	6971		6980		6990		7000		7010		7020		7030		7040		7055																								
SARS-CoV-2 Region 11168 - 29055 nt	(6820)	AG	T	TG	CAAT	T	TAC	AA	GT	CT	-	TG	AA	AT	T	-	CC	ACG	TAG	GA	AT	TGT	GG	G	AA	CTT	--	TACA	AG	CT	GA	--	AA	AT	GT	AA	CAG	GA	CT	CT	TT	A
Homo sapiens mitochondrion NC_012920.1	(6405)	AT	TAT	CAAT	ATA	TAA	AA	CC	CC	TG	CC	AT	AA	CC	CAA	TA	CC	AA	AC	GCC	CT	CTT	CG	T	CT	GAT	C	CG	T	CCT	AA	TC	AC	AG	CAG	TC	CT	ACT	TT	C		
		Section 84																																								
	(7056)	7056		7070		7080		7090		7100		7110		7120		7130		7140																								
SARS-CoV-2 Region 11168 - 29055 nt	(6898)	AAG	AT	TG	TAG	TAA	AG	GT	AA	T	CA	CTG	GG	T	TA	CATG	-	CTA	CAC	AGGC	AC	CT	ACA	C	ACC	T	CAG	TG	T	TG	AC	AC	T	AAA	TT	C	AAA	ACT	TGA	AG		
Homo sapiens mitochondrion NC_012920.1	(6490)	TC	CT	AT	CT	CT	CCC	AG	T	CC	TAG	CTG	C	-	TGG	CATG	A	CTA	T	AG	T	---	AG	TA	ACA	G	ACC	G	CA	ACC	T	CA	AC	AC	C	ACC	TT	C	TT	CG	ACCC	G

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		Section 85									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(7141)	7141	7150	7160	7170	7180	7190	7200	7210	7225	
	(6982)	GTTTATGTGTGACATACCTGGCATACCTAAGGACATGACCTATAGAAGACTCA-TCTCTATGATGGGTTTAAAAATGAATTATC									
		(6571)	CCGGAGGAGGAGACCC-CACTCTATACCAAC--ACCTATTCT--GATTTTTCGGTCACCCGAGATTATATTCTTATCCTACC								
		Section 86									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(7226)	7226	7240	7250	7260	7270	7280	7290	7300	7310	
	(7066)	AAGTTAATGTTACCTAACATGTTTATCACCCGCGAAGAAAGCTATAAGACATGTACGTGCATGGATTGGCTTCGATGTCGAGGG									
	(6650)	AGGCTTCGGAAATCTCCCATATTG-TAACCTTACTCCGGAAGAAAAGAACCAATTGGATACATAGGTAT-----G									
		Section 87									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(7311)	7311	7320	7330	7340	7350	7360	7370	7380	7395	
	(7151)	GTGTCATGCTACTAGAGAAGCTGTGGTACCAATTATCTTTACAGCTAGGTTTTCTACAGGTGTTAACCC---TAGTTGCTGTAT									
	(6723)	GTCTGA-GCTA-----TGATACTAATTGGCTTC-----CTAGGTTTTATCGTGTGAGCACACCATAATTTACAGTA									
		Section 88									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(7396)	7396	7410	7420	7430	7440	7450	7460	7470	7480	
	(7233)	CCTACAGGTTATGTTGATACACCTA-ATAATACAGATTT--TTCCAGAGTTAGTGCTAAACC-ACCGCTGGAGATCAATT---									
	(6789)	GGAATAG---ACGTAGACACACGAGCATATTCACTCCGCTACCAATAATCATCTGCTATCCACCAGGCTCAAGTATTAGCT									
		Section 89									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(7481)	7481	7490	7500	7510	7520	7530	7540	7550	7565	
	(7311)	-AAACACCTCATACCACTTATGTACAAAGGACTTCCTTGGAATGTAGTGCATATAAGATTGTACAAATGTTAAGTGACACACTT									
	(6871)	GACTCGCCACACTCCACGGAAGCAATATGAATATGATCTGC--TGAGTGCCTCTAGAGCCCTAGGATTCTTTCTTTTCAACGTA									
		Section 90									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(7566)	7566	7580	7590	7600	7610	7620	7630	7640	7650	
	(7395)	AAAAATCTCTCTGACAGAGTCTGTTTGTCTTATGGGCACATGGCTTTG-AGTTGACATCTATGAAGTATTTTGTGAAAATAGGA									
	(6954)	GGTGGCCTGACTGCTGTTGTTATTAAGCAAACTCAT---CACTAGACATCTGTACTACACGAC-ACGTACTACGTTGT-----A									
		Section 91									
SARS-CoV-2 Region 11168 - 29055 nt Homo sapiens mitochondrion NC_012920.1	(7651)	7651	7660	7670	7680	7690	7700	7710	7720	7735	
	(7479)	CTGAGCGACCTGTGTCTATGTGATAGACGTGCCACAATGCTTTTCCACT--GCTTCAGACACTTATGCTGTGTGGCATCAATTC									
	(7026)	GCCACTTCACTATGTCCTATCA-ATAGGAGCTGTATTGTCATCATAGGAGGCTTCATTCACTGATTTCCCCATTTCACAGGC									

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		Section 92									
		(7736)	7736	7750	7760	7770	7780	7790	7800	7810	7820
SARS-CoV-2 Region 11168 - 29055 nt	(7562)	TAT----TGATTGAT-TACGTCTATAATCCGTTTATGATTGATGTTCAACAATGGGTTTTACAGGTAACCTACAAAGCAAC									
Homo sapiens mitochondrion NC_012920.1	(7110)	TACACCCTAGACCAAAACCACGCGAA-AATCCATTTCACTATCATATTTCATC---GGCGT---AAATCTAACCTTCTTCCCA--C									
		Section 93									
		(7821)	7821	7830	7840	7850	7860	7870	7880	7890	7905
SARS-CoV-2 Region 11168 - 29055 nt	(7642)	ATGATCTGTATTGTCAAGTCCATGGTAATGCACATGTAGCTAGTTGTGATGCAATCATGACTAGAGGTGTCTAGCTGTCCACGAGTG									
Homo sapiens mitochondrion NC_012920.1	(7186)	AACA-CTTCTCGGCTACTCC---GGAATGCCG-GACGTTACTCGGACTACCCCGATGCAATA-----CACCACTGAAC									
		Section 94									
		(7906)	7906	7920	7930	7940	7950	7960	7970	7980	7990
SARS-CoV-2 Region 11168 - 29055 nt	(7727)	CTTTGTTAAGCGTGTGACTGGACTATTGAATATCCTATAATTGTTGATGAAGTGAAGATTAAATGCGGCCTGTAGAAAGGTTCAA									
Homo sapiens mitochondrion NC_012920.1	(7257)	ATCCTATCATCT-FGTAGGCTC----ATTCACTTCTCTAACAGCAGTAAATATTAATAATTTCATGA---TTTGAGAAAGCCTTG-									
		Section 95									
		(7991)	7991	8000	8010	8020	8030	8040	8050	8060	8075
SARS-CoV-2 Region 11168 - 29055 nt	(7812)	CAGATGGTTGTTAAAGCTGCAATATTAGCAGACAAATTTCCAGTTCCTCACGACATTGGTAACCTAAAGCTATTAAAGTG--TGT									
Homo sapiens mitochondrion NC_012920.1	(7333)	--CTTCGAAGCGAAAGTCC--TAATAGTAGAAGAA--CCC-----TCCA-----TAAACCTGGAGTGACTATATGGATGC									
		Section 96									
		(8076)	8076	8090	8100	8110	8120	8130	8140	8150	8160
SARS-CoV-2 Region 11168 - 29055 nt	(7895)	ACCTCAAGCTGATGTAGAAATGGAAGTTCTATGATGCACAGCCTTGTAGTGACAAAAGCTTATAAAATAGAGAAATTATCTATTCT									
Homo sapiens mitochondrion NC_012920.1	(7398)	CCCACACCTACCACACATTCGAAGAAACCGTATACATA-----AAATCT-AGACAAAAGAGAAAGGAATCGAACC									
		Section 97									
		(8161)	8161	8170	8180	8190	8200	8210	8220	8230	8245
SARS-CoV-2 Region 11168 - 29055 nt	(7980)	TATGCCACCATCTCTGACAAATTCACAG-ATGG--TGTATGCCATTTTTGGAAATTCAGATGTCGATAGATATCCCTGCTAAATCCA									
Homo sapiens mitochondrion NC_012920.1	(7469)	C---CCAAAGCTGGTTTCAAGCCACACCCATGGCTCCATGACT-TTTTCAAAAAGGTAT-TAGAAAACCAATTTCATAACTTTG									
		Section 98									
		(8246)	8246	8260	8270	8280	8290	8300	8310	8320	8330
SARS-CoV-2 Region 11168 - 29055 nt	(8062)	TTGTTTGTAATTGACACTAGTGTCTATCTAACCTTAACTTGCCTGGTTGTGATGTTGGCAGTTTGTATGTAAATAAACATGC									
Homo sapiens mitochondrion NC_012920.1	(7549)	TCAAAGTTAAATTATAGGCTAA-TCCCTATATATC-TTAAATGGCAGATGCAAGGTAG--GTCTACAGACGCTACTTCCC									

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		Section 99																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		(8331)	8331	8340	8350	8360	8370	8380	8390	8400	8415																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
SARS-CoV-2 Region 11168 - 29055 nt	(8147)	AT	TC	AC	AC	ACC	AG	CT	TT	T	G	A	T	A	A	A	A	G	T	G	C	T	T	T	G	A	T	A	T	T	A	A	A	A	C	A	T	T	T	T	C	T	A	T	T	A	C	T	G	A	C	-	AG	T	C	C	A	T	G	T	G	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Homo sapiens mitochondrion NC_012920.1	(7630)	TA	TC	-	A	T	A	G	A	AG	AG	CT	T	A	T	C	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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		Section 106																	
		(8926)	8926		8940		8950		8960		8970		8980		8990		9000	9010	
SARS-CoV-2 Region 11168 - 29055 nt	(8730)	C	CAG	CAT	A	TAT	CT	ACT	TAT	TG	G	TGT	TT	GT	CTA	T	G	ACT	T
Homo sapiens mitochondrion NC_012920.1	(8189)	G	CA	AAC	CA	AGT	T	T	CA	---	TG	CCCA	T	CT	CTA	-	GA	ATT	TA
		(9011)	9011		9020		9030		9040		9050		9060		9070		9080	9095	
SARS-CoV-2 Region 11168 - 29055 nt	(8810)	-	CAC	TGT	CT	T	TTTT	GAT	GG	TAG	AG	TT	GA	T	AT	GT	CA	AG	T
Homo sapiens mitochondrion NC_012920.1	(8269)	G	CAC	CCC	CT	T	TAC	CCCC	CT	TAG	AG	CCC	A	CT	GT	TA	AG	---	CT
		(9096)	9096		9110		9120		9130		9140		9150		9160		9170	9180	
SARS-CoV-2 Region 11168 - 29055 nt	(8894)	T	GT	TAA	AGG	TTT	TACA	ACC	A	T	CG	TAG	GT	CCC	AA	CA	AG	C	T
Homo sapiens mitochondrion NC_012920.1	(8350)	A	CC	T	C	---	TTT	TACA	GT	G	AAA	TG	---	CCC	A	AA	CT	AA	T
		(9181)	9181		9190		9200		9210		9220		9230		9240		9250	9265	
SARS-CoV-2 Region 11168 - 29055 nt	(8978)	G	TTC	AAT	TAT	A	AGAA	AGT	T	G	ATGG	T	GT	GTC	CA	AC	AA	T	T
Homo sapiens mitochondrion NC_012920.1	(8425)	A	TTC	C	---	T	CAT	A	CCCC	A	AC	T	AAAA	T	AT	TT	AAA	CA	CA
		(9266)	9266		9280		9290		9300		9310		9320		9330		9340	9350	
SARS-CoV-2 Region 11168 - 29055 nt	(9063)	A	AA	CC	C	AGG	AGT	CA	AA	T	GG	AAA	T	TGA	TTT	CTT	A	GA	T
Homo sapiens mitochondrion NC_012920.1	(8505)	A	TA	AC	CA	A	ACCC	T	GA	A	ACC	AAA	A	TGA	AC	G	---	AA	AT
		(9351)	9351		9360		9370		9380		9390		9400		9410		9420	9435	
SARS-CoV-2 Region 11168 - 29055 nt	(9148)	T	C	GA	AC	AT	ATC	GTT	-	TAT	GG	AG	ATT	T	-	TAG	T	CAT	T
Homo sapiens mitochondrion NC_012920.1	(8585)	C	AG	T	AC	TG	ATC	ATT	C	TAT	TT	CCCC	T	C	TAT	T	GAT	CCC	CA
		(9436)	9436		9450		9460		9470		9480		9490		9500		9510	9520	
SARS-CoV-2 Region 11168 - 29055 nt	(9230)	G	GA	AT	CA	C	TTTT	GA	---	TT	AG	AA	G	ATT	TT	TAT	TC	CT	AT
Homo sapiens mitochondrion NC_012920.1	(8668)	T	G	AC	TA	AT	CA	AACT	AA	CC	T	CA	AAA	CA	AA	T	GAT	AA	CA
		(9436)	9436		9450		9460		9470		9480		9490		9500		9510	9520	
SARS-CoV-2 Region 11168 - 29055 nt	(9230)	G	GA	AT	CA	C	TTTT	GA	---	TT	AG	AA	G	ATT	TT	TAT	TC	CT	AT
Homo sapiens mitochondrion NC_012920.1	(8668)	T	G	AC	TA	AT	CA	AACT	AA	CC	T	CA	AAA	CA	AA	T	GAT	AA	CA

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		Section 113																																												
		(9521)	9521	9530	9540	9550	9560	9570	9580	9590	9605																																			
SARS-CoV-2 Region 11168 - 29055 nt	(9310)	GT	TCATCT	AAGTGT	TGTGTGTT	CTGTTAT	TGATTTAT	TACTGT	TGATTTTG	TGAATATA	AAATCCCAA	GATT	TATCT	G	TAGT																															
Homo sapiens mitochondrion NC_012920.1	(8751)	AA	TCATTT	TTTAT	T-TGCCACAA	CTAACC	TCTCTCGG	ACTCT	GCC	TCACTCAT	TTACACC	AACCA	---	CCCAA	C---	TATCT	ATA	TAA																												
		Section 114																																												
		(9606)	9606	9620	9630	9640	9650	9660	9670	9680	9690																																			
SARS-CoV-2 Region 11168 - 29055 nt	(9395)	TT	CTAAGGT	TGTCA	AAGTGAC	TAT	TGAC	TAT-ACAG	AAATT	TCATT	TAT	GCTTT	G	TGTAA	AAGAT	GGCCATG	TAG	AAACATTT	TA																											
Homo sapiens mitochondrion NC_012920.1	(8829)	C-	CTAGCCA	TGGC	CAATCCCCT	TAT	GAGC	GGGC	ACAG	TG	ATT	A----	TAG	GCTTT	C	GCTCT	AAGAT	-----	TA	AAATGCC	TA																									
		Section 115																																												
		(9691)	9691	9700	9710	9720	9730	9740	9750	9760	9775																																			
SARS-CoV-2 Region 11168 - 29055 nt	(9479)	C	CCAA	AAAT--	TACAA	TCTAG	TCA	AGCG	TGGCA	ACC	GGG	TGT	TG	CTAT	G	CTAA	TCTTTA	CAAAA	TGCAA	AGAA	TG	CTAT	TAG	AAA																						
Homo sapiens mitochondrion NC_012920.1	(8902)	G	CCCA	ACTT	CT	TAC	CA-CA	AGGCA	CACT	TAC--	ACC	CCT	TAT	CC	C	ATAC	TAGT	TATTAT	C	AAA	CCATC	AGCC	TA	CTCAT	TCA	AA	C																			
		Section 116																																												
		(9776)	9776	9790	9800	9810	9820	9830	9840	9850	9860																																			
SARS-CoV-2 Region 11168 - 29055 nt	(9562)	AG	TGT	G	CCT	T	CAAAAT	TAT	G	GTG	A	TAG	TGC	AAC	ATT	AC	TAA	AG	GC	A--	TAAT	GAT	GA	AT	G	T	CGC	AAA	AT	ATA	CT	CA	ACT	G	TGT											
Homo sapiens mitochondrion NC_012920.1	(8984)	CA	ATA	G	CCT	T	GGCCG--	TAC	G	CCT	A	ACCG	CT	AAC	ATT	AC	TGC	AG	GC	CA	CC	TA	C	TAT	G	AC	CT	A	CC	TA--	ATT	GG	A	AG	C	GC	AC	CC	TAG							
		Section 117																																												
		(9861)	9861	9870	9880	9890	9900	9910	9920	9930	9945																																			
SARS-CoV-2 Region 11168 - 29055 nt	(9645)	CA	ATAT	TTA	AAC	CA	TTA	AC	ATT	AG	CT	G	TAC	CCT-	ATA	AT	AT	G-AG	AG	TTA	TAC	ATT	T	TGG	TG	CT	GG	TT	CT-	GAT	AA	AG	GA	GT	TG											
Homo sapiens mitochondrion NC_012920.1	(9065)	CA	ATAT	C--	AAC-	CAT	TAA	C	TT	CC	CT	C	TAC	ACT	TAT	CAT	CT	T	C	ACA	ATT	C	TA-	ATT	C	TAC	TG	ACT	AT	C	CTA	G	AA	AT	C	G	CT	GT	C	G						
		Section 118																																												
		(9946)	9946	9960	9970	9980	9990	10000	10010	10020	10030																																			
SARS-CoV-2 Region 11168 - 29055 nt	(9727)	C	ACC	A	GGT	TAC	AGC-	T	G	TT	TT	AAG	ACA	G	T	GG	T	TG	CCT	A	GGG	TAC	G	CTGC	TT	G	T	C	G	ATT	CAG	AT	CT	TA	AT	GAC	TTT	GT	CT	CTG	AT	G				
Homo sapiens mitochondrion NC_012920.1	(9146)	C	CTT	A	AT	CCA	AGC	C	T	ACG	TT	TTC	ACA	CT	T	CT	TAG	TAAG	C	CTC	TAC-	CTGC	AC	G	ACA	CA	----	TA	AT	GAC	C	----	CAC	CA	AT-	-	-	-	-	-						
		Section 119																																												
		(10031)	10031	10040	10050	10060	10070	10080	10090	10100	10115																																			
SARS-CoV-2 Region 11168 - 29055 nt	(9811)	C	A	G	AT	T	C	A	A	CT	T	T	G	A	T	G	G	T	G	A	T	G	T	G	C	A	A	C	T	G	T	A	T	G	T	G	A	T	G	T	A	C	G	ACC	CTAA	
Homo sapiens mitochondrion NC_012920.1	(9220)	C	A	C	AT	G	C	--	CT	AT	C	AT	-----	AT	AGT	AA	AA	C	CCAG	C	CC	AT	G	A	C	CCC	TAA	CA	GGG	GC	C	T	C	T	C	A	G	CCC	T	CC	TA	---	AT	G	ACC	TCCG

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		Section 120									
	(10116)	10116	10130	10140	10150	10160	10170	10180	10190	10200	
SARS-CoV-2 Region 11168 - 29055 nt	(9896)	GACTAAAAATGTTACAAAAAGAAAA	TGACTCTAAAGAGGGTTT	TTTTCACCTACATT	TGTGGGTTTATACAACAAAG	CTAGCTCT					
Homo sapiens mitochondrion NC_012920.1	(9295)	GCTAGCCATGTGATTTCAAC---	TTCACCTCCATAACGCTC----	CTCATAC	TAGGCCTACTAACCAACACA	--CTAAC-CAT					
		Section 121									
	(10201)	10201	10210	10220	10230	10240	10250	10260	10270	10285	
SARS-CoV-2 Region 11168 - 29055 nt	(9981)	GGAGGTTCCGTGGCTAT	AAAGATAACA	GACATTCTTG	GAAATGCTGATCTTTAT	AAGCTCATGGGACAC	TTCGCAT	TGGTGGACAG			
Homo sapiens mitochondrion NC_012920.1	(9368)	ATACCAATGATGGCG	ATG--TAACA	CGA-----GAAAGC	ACATACC--AAGGC	CACCAACACAC	CACCTGTCCAAA	AAGG			
		Section 122									
	(10286)	10286	10300	10310	10320	10330	10340	10350	10360	10370	
SARS-CoV-2 Region 11168 - 29055 nt	(10066)	CCTTTGTAC---	TAATGTGAATGCGTCATCATCTGAAGCA	TTTTTAAT	TGGATGTAA	TTATCTTG	GCAACCA	CGCGAACAA			
Homo sapiens mitochondrion NC_012920.1	(9440)	CCTTCGATACGGGA	TAATCCTATTATTA--	CTCAGGAAGTT	TTTTTCTTCG	CAGG-ATTTT	TCTGAGC-----	CTTTTACCA			
		Section 123									
	(10371)	10371	10380	10390	10400	10410	10420	10430	10440	10455	
SARS-CoV-2 Region 11168 - 29055 nt	(10147)	TAGATGGTTATGTCATGCA	AATTA	CATATTTT	GGAGGAATAC	AAATCCAAAT	CAGTTGTC	TTCC	TATTCT	TTATTGACAT	
Homo sapiens mitochondrion NC_012920.1	(9516)	TCCA-GCC	TAGCCCTTACCCC	CAATTA-----	GGAGGGC-AC	TGGCCCCCAA	CAGGCATTCAC	CCG--CTAAAT	CCCCCTAG		
		Section 124									
	(10456)	10456	10470	10480	10490	10500	10510	10520	10530	10540	
SARS-CoV-2 Region 11168 - 29055 nt	(10232)	GAGTAAATT	TCCCTTAAATTA	AGGGGTACTGCTGTTAT	GTCTTTAAAG	AAGGTCAA	ATCAATGATA	TGATTTTAT	CTCTTCTT		
Homo sapiens mitochondrion NC_012920.1	(9589)	AAGTCCCAC	TCC---TAAACAC	ATCCGTATTACT	CGCATC-----	AGGAGT---	ATCAATCACC	TGAGCTCACCATAG	CTCT		
		Section 125									
	(10541)	10541	10550	10560	10570	10580	10590	10600	10610	10625	
SARS-CoV-2 Region 11168 - 29055 nt	(10317)	AGTAAAGGTAGAC	TTATAA	TTAGAGAA	AAACAAGAG	TGTATT	TCTAGT	GATGTTCT	TGTTAA	CAACTAAAC	GAAACAATGTTT
Homo sapiens mitochondrion NC_012920.1	(9659)	AATAGAAAACA	ACCGA-AA	CCAAATAA	TTCAA	GC-ACTGCTTATT	ACAA	TTT--TACT	GGGTCTCTAT	TTTAC	CCTC-----
		Section 126									
	(10626)	10626	10640	10650	10660	10670	10680	10690	10700	10710	
SARS-CoV-2 Region 11168 - 29055 nt	(10402)	GT	TTTTCTTG	TTTTATTG	CACTAGTCTCTAG	TCA	GTGTGT	TAATCTTA	CAAC	CAGAACTCA	ATTACCCCTG
Homo sapiens mitochondrion NC_012920.1	(9733)	--TACAAGCC	TCAGAGTACTT	CGAGTCTCCCT	TCA	CCATT	CCGAGGG-CAT	CTACGGCTCA	AC-ATTTTTT	TGTAGC	CAC--AGG

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		Section 134									
	(11306)	11306	11320	11330	11340	11350	11360	11370	11380	11390	
SARS-CoV-2 Reaion 11168 - 29055 nt (11074)		G	T	A	G	A	T	T	G	C	C
Homo sapiens mitochondrion NC_012920.1 (10338)		T	A	-----	-----	-----	-----	-----	-----	-----	-----
		Section 135									
	(11391)	11391	11400	11410	11420	11430	11440	11450	11460	11475	
SARS-CoV-2 Reaion 11168 - 29055 nt (11157)		T	T	C	T	C	A	G	G	T	T
Homo sapiens mitochondrion NC_012920.1 (10407)		G	T	A	T	A	G	T	T	A	A
		Section 136									
	(11476)	11476	11490	11500	11510	11520	11530	11540	11550	11560	
SARS-CoV-2 Reaion 11168 - 29055 nt (11242)		G	G	A	A	C	C	A	T	T	A
Homo sapiens mitochondrion NC_012920.1 (10474)		C	C	C	T	C	A	T	T	A	A
		Section 137									
	(11561)	11561	11570	11580	11590	11600	11610	11620	11630	11645	
SARS-CoV-2 Reaion 11168 - 29055 nt (11327)		G	A	A	T	C	T	A	T	C	A
Homo sapiens mitochondrion NC_012920.1 (10554)		T	C	C	-----	-----	-----	-----	-----	-----	-----
		Section 138									
	(11646)	11646	11660	11670	11680	11690	11700	11710	11720	11730	
SARS-CoV-2 Reaion 11168 - 29055 nt (11412)		T	G	A	A	G	T	T	T	A	A
Homo sapiens mitochondrion NC_012920.1 (10636)		C	C	A	A	T	A	G	T	T	A
		Section 139									
	(11731)	11731	11740	11750	11760	11770	11780	11790	11800	11815	
SARS-CoV-2 Reaion 11168 - 29055 nt (11497)		C	T	A	T	A	A	A	T	T	C
Homo sapiens mitochondrion NC_012920.1 (10692)		C	T	A	G	-----	-----	-----	-----	-----	-----
		Section 140									
	(11816)	11816	11830	11840	11850	11860	11870	11880	11890	11900	
SARS-CoV-2 Reaion 11168 - 29055 nt (11582)		A	T	G	C	A	G	A	T	T	G
Homo sapiens mitochondrion NC_012920.1 (10765)		A	A	A	A	C	T	A	A	T	A

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											Section 141
	(11901)	11901	11910	11920	11930	11940	11950	11960	11970	11985	
SARS-CoV-2 Region 11168 - 29055 nt	(11667)	ATTACGAGATGATTTTACAGGCTGCGTTATAGCTTGG	AATTCTAACATCTTGAT	TCTAAGGTTGGTGG	TAAATTAT	AATTAACCTG					
Homo sapiens mitochondrion NC_012920.1	(10832)	ATCAACAACACCCACAGCCT	-----	AATTATTAGCATCTCCCTCTACTATTTT	---TAA	CCAAATCAACA-					
											Section 142
	(11986)	11986	12000	12010	12020	12030	12040	12050	12060	12070	
SARS-CoV-2 Region 11168 - 29055 nt	(11752)	TATAGATGTGTTTAGGAAGTCTAACTCTCAACCTTTTGAGAGAGATATTT	CAACTGAAATCTATCAGGCCGGTAG	CACACCTTGTA							
Homo sapiens mitochondrion NC_012920.1	(10899)	-ACAACCTATTTTAG-----CTGTCTCCCAACCTTTTCC-----TCGACCC--CTAACAAACCC-----CCTCCTAAATA									
											Section 143
	(12071)	12071	12080	12090	12100	12110	12120	12130	12140	12155	
SARS-CoV-2 Region 11168 - 29055 nt	(11837)	ATGGTGTTGAAAGGTTTAAATTGTACTTTCTTTACAATCATATGTTTCCAAC-CCACTAATGGTGTGGTTACCAACATACA									
Homo sapiens mitochondrion NC_012920.1	(10961)	CT-----AACTACCTGACTCCCTAC---CCCTACAATCATG-GCAAGCCAACGCCACTTATCCAATGTG----AACACATCAC									
											Section 144
	(12156)	12156	12170	12180	12190	12200	12210	12220	12230	12240	
SARS-CoV-2 Region 11168 - 29055 nt	(11921)	GAGTAGTAGTACTTTCTTTTGAACTTCTACATGCACAGCAACTGTTTGTGGACC	TAAAAAGTCTAC	TAATTTGTTAAACAA							
Homo sapiens mitochondrion NC_012920.1	(11031)	GAAAAAACT-CTACCTCTCTA--TACTA-ATCTCCCTACAAATCTCCTT--AATATAACAATTCACAGCCACA	GAACTAATCAT								
											Section 145
	(12241)	12241	12250	12260	12270	12280	12290	12300	12310	12325	
SARS-CoV-2 Region 11168 - 29055 nt	(12006)	ATGTGTCAATTTCAACTTCAATGGTTTAAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTCTGCTTTCCAACAATTT									
Homo sapiens mitochondrion NC_012920.1	(11110)	ATTTT---ATACTCTTCTTCGA-----AAC---CACACTTATCCCCACCTTGCTATCA-----TCACCCGATGAGGCAACCA									
											Section 146
	(12326)	12326	12340	12350	12360	12370	12380	12390	12400	12410	
SARS-CoV-2 Region 11168 - 29055 nt	(12091)	GGCAGAGACATTGCTGACCTACTGATGCTGTCTCGTGA	TCACAGACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTG								
Homo sapiens mitochondrion NC_012920.1	(11176)	GCAGAG---ACGCCTGACACGACAGGCACATACCTCTATCTACACCTAGTAGGCTCCCTTCCCTACTCATCGCACTAAAT----									
											Section 147
	(12411)	12411	12420	12430	12440	12450	12460	12470	12480	12495	
SARS-CoV-2 Region 11168 - 29055 nt	(12176)	GTTGTAGTGTATAACACAGGAAACAATACTTCTAACAGGTTGCTGTCTTTATCAGGATGTTAACTGCACAGAGTCCCTGT									
Homo sapiens mitochondrion NC_012920.1	(11254)	-TTACACTCACAAACACCTAGGCTCA-----CTAAACATTCCTACTCTCA-----CTGCCAGAACTATCA									

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		Section 148									
	(12496)	12496	12510	12520	12530	12540	12550	12560	12570	12580	
SARS-CoV-2 Region 11168 - 29055 nt (12261)		TGCTATTCATGCA	GATCAACTTACT	CCTACTTGGCGTGT	TTATTTCTACAGGTT	CTAATGT	TTTTCAAAC	ACGTG	CAGGCT	TTTA	
Homo sapiens mitochondrion NC_012920.1 (11321)		AACTCCTAGCA	A--CAACTTAA	TATGACTAGC	-----TTACA	CAATAGCTTT	TATAGT	-----AAAGA	--TAC	---CTCTTA	
		Section 149									
	(12581)	12581	12590	12600	12610	12620	12630	12640	12650	12665	
SARS-CoV-2 Region 11168 - 29055 nt (12346)		ATAGGGGCTGA	ACATGTCAACAACT	CATATGAGTGT	-GACATA	CCCATTTGGTG	CAGGTAT	ATGCGCTAG	TTATCAG	ACTCAG	ACT
Homo sapiens mitochondrion NC_012920.1 (11389)		C---GGACTCC	ACTTATGACTCC	CTAAGCCCA	TGTCGAAGCC	CCCATC	GCTG--GGT	CAATAG--TAC	TTGCC	CGCAGT	---ACT
		Section 150									
	(12666)	12666	12680	12690	12700	12710	12720	12730	12740	12750	
SARS-CoV-2 Region 11168 - 29055 nt (12430)		AAATCTCTCT	GGCGGACG	TAGTGTAGCTAGT	CAATCCATCATT	GCTACCTAT	TGTCACTTGGTGC	AGAAAA	ATT	CAGTTG	CTT
Homo sapiens mitochondrion NC_012920.1 (11464)		CTTAAAACT	AGGCGGCTATG	--GTATA	ATACGCTCA	CACTCATTCT	CAACCC	TGACA	AAACACAT	AGCCT	ATCCCTTCTT
		Section 151									
	(12751)	12751	12760	12770	12780	12790	12800	12810	12820	12835	
SARS-CoV-2 Region 11168 - 29055 nt (12515)		ACTCTAAATA	CTCTAT-T	GCATA	CCCACAA	ATTTTACT	ATTAGTGT	TACACAGAA	ATTC-TACC	AGTGTCT	ATGACCAAGACA
Homo sapiens mitochondrion NC_012920.1 (11546)		G---TAC	TATCCTAT	GAGGCATA	ATTATTA	CAAGCTCAT	CTGCTT	ACGACA	ACAGAC	TAAATC	GCTCATGCTACTCT
		Section 152									
	(12836)	12836	12850	12860	12870	12880	12890	12900	12910	12920	
SARS-CoV-2 Region 11168 - 29055 nt (12598)		TCA	GTAGAT	TGTA	CAATGTACAT	TTGTGGT	GAT--TCAA	-CTGA	ATGCAGCAAT	CTTTTGT	TGCAATATG
Homo sapiens mitochondrion NC_012920.1 (11627)		TCA	-----AT	CAGC	CATAGG	CCCTCGT	AGTAACAGC	CATTCT	CA	TCCAAC	CCCCTGAA
		Section 153									
	(12921)	12921	12930	12940	12950	12960	12970	12980	12990	13005	
SARS-CoV-2 Region 11168 - 29055 nt (12680)		AAT	TAAAC	-CGT	GCTTTAA	CTGGAAT	AGCTGT	TGAACAAGA	CAAAAC	CA	CCCAAGAA
Homo sapiens mitochondrion NC_012920.1 (11707)		AAT	CGCC	CA	CGG	GCTT	ACAT	CCCTCAT	TAATTCTG	CTAG	CAAACTCAAA
		Section 154									
	(13006)	13006	13020	13030	13040	13050	13060	13070	13080	13090	
SARS-CoV-2 Region 11168 - 29055 nt (12764)		AAA	CACCA	CAATTA	AAAGATT	TTGGT	GGTTT	TAA	----	TTTTT	CACAATAT
Homo sapiens mitochondrion NC_012920.1 (11790)		TCT	CTCA	AGGAC	TTCAA	-ACTCT	ACTCCCAC	TAA	TAGC	TTTTT	GATGACTTCTAG

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		Section 155									
	(13091)	13091	13100	13110	13120	13130	13140	13150	13160	13175	
SARS-CoV-2 Reaion 11168 - 29055 nt (12845)		T-TATTGAAGATCTACTTTTCAACAAA	GTGACACTTG	CAGATGCTGGCTTCATCAAA	---	CAATATGGTGATTG	CCTGGT	GA	TATA		
Homo sapiens mitochondrion NC_012920.1 (11873)		AC-TATTAACTAGGGAGAACTCTCTGTGCTAGTAA	C-ACGTCTCTCTGATCAAA	TATCACTCTCCTAC	TTACAGGAC	TCAAC					
		Section 156									
	(13176)	13176	13190	13200	13210	13220	13230	13240	13250	13260	
SARS-CoV-2 Reaion 11168 - 29055 nt (12926)		T-TGCTGCT-AGAGACCTCATTTGTG	CAACAAAGTTTAA	CGGCTTAC	TGTTTTGC	CACCTTTG	CTCAGATG	AAATGAT	TGCTC		
Homo sapiens mitochondrion NC_012920.1 (11957)		A-TACTAGTCAACAGCCCT-AT	ACTCCGTCTACATA	TTTACCA	CAACACAA	TGGGCTCA	CTCAC	CACCA	ATTAA	CAACA	T----
		Section 157									
	(13261)	13261	13270	13280	13290	13300	13310	13320	13330	13345	
SARS-CoV-2 Reaion 11168 - 29055 nt (13010)		AAATACACTTCTTGCACTGTTAG	CGGGTACA	ATCACTTCTTGGT	TGGACCTT	TGGTG	CAGG-TG	CTGCAT	TACAAAT	ACCATT	TGCTA
Homo sapiens mitochondrion NC_012920.1 (12037)		AAAACCTCATTCACAC---	GAGAAAACA	CCCTCATGTTCA	TACACCTA	TCCCC	CA	TTCCTCT	CTATC	CCTCA	ACC
		Section 158									
	(13346)	13346	13360	13370	13380	13390	13400	13410	13420	13430	
SARS-CoV-2 Reaion 11168 - 29055 nt (13094)		TGC	AAATGGCTTATAGGTT-TAA	TGGTA-TTGG	AGTTACACA	GATGTTCTCTAT	GAGAAC	CAAA	AATTGATTG	CC	AACCAATTT
Homo sapiens mitochondrion NC_012920.1 (12119)		ATT	ACCGGGTTTCTCTCTTTG	TAAATATA	TAGTTTAA	CCAAACA	ATCAGATTG	TGAATCTGA	--CAA	AGAGGCTTA	CGACCC--TT
		Section 159									
	(13431)	13431	13440	13450	13460	13470	13480	13490	13500	13515	
SARS-CoV-2 Reaion 11168 - 29055 nt (13177)		AA	TAGTGC	TATTGGCAAAAT	TCAAGACT	CACTTTCTTCA	CAGCAAGTG	CAC	TGGAAAC	TTCAAGATG	TGGTCAACCAA-AA
Homo sapiens mitochondrion NC_012920.1 (12200)		A	T-----TACC	GAGAAAGCTCA	-----CA	AGAACTGCTA	ACTCATG	CCCATG	TCTAACAA	CATGCTTTC	TCAACTTTTAAA
		Section 160									
	(13516)	13516	13530	13540	13550	13560	13570	13580	13590	13600	
SARS-CoV-2 Reaion 11168 - 29055 nt (13261)		G	CACAA	GCTTTAAACA	CGCTTGTTAA	CAACCTTA	GCTCC	AAATTTTGGTGCAA	TTTCAAG	TGTTTTAAATG	ATATCCTTTTACAGT-
Homo sapiens mitochondrion NC_012920.1 (12275)		G	ATAA	CAGCTATCA	TTGGTCTTA	GGGCC	AAA-----	AAATTTTGGTGCAA	CTC	CAAA	TAA---AAGTA
		Section 161									
	(13601)	13601	13610	13620	13630	13640	13650	13660	13670	13685	
SARS-CoV-2 Reaion 11168 - 29055 nt (13345)		-	CT-TG	ACAAAGTTG	AGGCTGA	AGTGCA-AA	TTGATAGGT	TGATTC	ACAGGCAGAC	TTCAAAGTTTG	CAGACATATGTGACTCAAC
Homo sapiens mitochondrion NC_012920.1 (12352)		A	CTATA	ACCACCC	TAAACC	CTGA	CTTCCCT	AAAT	CCCCCAT	CTTTAC	CACCTCTGTT-AA
		Section 162									
	(13685)	13685	13690	13700	13710	13720	13730	13740	13750	13765	
SARS-CoV-2 Reaion 11168 - 29055 nt (13345)		-	CT-TG	ACAAAGTTG	AGGCTGA	AGTGCA-AA	TTGATAGGT	TGATTC	ACAGGCAGAC	TTCAAAGTTTG	CAGACATATGTGACTCAAC
Homo sapiens mitochondrion NC_012920.1 (12352)		A	CTATA	ACCACCC	TAAACC	CTGA	CTTCCCT	AAAT	CCCCCAT	CTTTAC	CACCTCTGTT-AA

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		Section 162									
	(13686)	13686	13700	13710	13720	13730	13740	13750	13760	13770	
SARS-CoV-2 Region 11168 - 29055 nt (13427)	A	ATTAA	TAGAA	----GCTG	CAGAA	ATCAG	GAGCTTC	TGCTA	ATCTTG	CTGCTG	CTACT
Homo sapiens mitochondrion NC_012920.1 (12436)	C	ATTATG	TAAAT	CCATG	TCTG	CAATC	CACTT	TATAT	ATCAG	TCTCTT	CCACA
		Section 163									
	(13771)	13771	13780	13790	13800	13810	13820	13830	13840	13855	
SARS-CoV-2 Region 11168 - 29055 nt (13508)	A	AAGAGT	TGATT	TTGTG	GAAAG	GGCTAT	CATCTT	TATGTC	CTTCC	CTCAGT	CAGCAC
Homo sapiens mitochondrion NC_012920.1 (12514)	G	AAG---	TATTAT	TC-T	CGAAC	TGAGC	-----	CACAA	CCCAA	CAACC	CAGCT
		Section 164									
	(13856)	13856	13870	13880	13890	13900	13910	13920	13930	13940	
SARS-CoV-2 Region 11168 - 29055 nt (13593)	T	TATG	TCCCTG	CA	CAAG	AAAGAA	AGAACT	TCACA	AC	TGCTC	TGC
Homo sapiens mitochondrion NC_012920.1 (12586)	T	ACTT---	CTC	CA	TAA	TATTC	ATCCCT	GTA	GCAT	TGTTA	CAT
		Section 165									
	(13941)	13941	13950	13960	13970	13980	13990	14000	14010	14025	
SARS-CoV-2 Region 11168 - 29055 nt (13677)	C	TTTG	TTTCA	AAATGG	CA	CACTGG	TTTGT	ACAC	CAAGG	AATTT	--TT
Homo sapiens mitochondrion NC_012920.1 (12663)	C	TCA	GACC	CAAA	CATT	AATCAG	TCTT	CAAA	TATCT	ACTATC	TTCC
		Section 166									
	(14026)	14026	14040	14050	14060	14070	14080	14090	14100	14110	
SARS-CoV-2 Region 11168 - 29055 nt (13757)	T	TGTGT	CTGG	TAACT	GTGAT	GTTGT	AATAG	GAAT	TTAG	GAAT	TTAG
Homo sapiens mitochondrion NC_012920.1 (12748)	T	TCCAA	CTGT	TCA	TCTGG	CTGAG	AGGCG	TAGGA	ATTAT	ATCCTT	C----
		Section 167									
	(14111)	14111	14120	14130	14140	14150	14160	14170	14180	14195	
SARS-CoV-2 Region 11168 - 29055 nt (13841)	A	GAGGA	AGTTAG	ATAA	ATTATT	AAGAA	TCA	TACAT	CAC	AGAT	-GTT
Homo sapiens mitochondrion NC_012920.1 (12824)	A	TGCCA	ACAC	AGC-A	GCCATT	CAAGC	AATC	TATACA	ACC	GTATC	GGC
		Section 168									
	(14196)	14196	14210	14220	14230	14240	14250	14260	14270	14280	
SARS-CoV-2 Region 11168 - 29055 nt (13925)	T	AA-ACA	TC	AAA	AAGAA	ATTGA	CCGCT	CAA	TGAG	GTTGC	CAAGA
Homo sapiens mitochondrion NC_012920.1 (12905)	T	CCTACA	TC	CA	CTCAT	GAGAC	CCACA	CAA	ATAG	CCCTT	CTAA

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		Section 169									
	(14281)	14281	14290	14300	14310	14320	14330	14340	14350	14365	
SARS-CoV-2 Region 11168 - 29055 nt (14009)		AGTA	TGAGCAGT	ATATAAA	ATGGCC	ATGGTACAT	TTGGCT	AGGTTT	ATAGCT	GGCTTG	ATTGCCATAGT
Homo sapiens mitochondrion NC_012920.1 (12989)		--TA	GCAGCAGCA	GGCAAA	TCAAGCC	CAATTA	GGTCT--	CACCCC	TGA--	CTCCCTCA	--GCCATAGAA
		Section 170									
	(14366)	14366	14380	14390	14400	14410	14420	14430	14440	14450	
SARS-CoV-2 Region 11168 - 29055 nt (14094)		GCTTT	GC	TGTA	TGAC---	CAGTTG	CTGTAGTTGT	CTCAAG	GGCTGT	TGTTCTTT	GTGGATCC
Homo sapiens mitochondrion NC_012920.1 (13065)		-CTCA	GCCTTA	CTCCT	ACTCAGCA	CTATAGTTGT	AGCAG	GAA---	TCTTCTT	ACTCATCC	-GCTTCA
		Section 171									
	(14451)	14451	14460	14470	14480	14490	14500	14510	14520	14535	
SARS-CoV-2 Region 11168 - 29055 nt (14176)		TC	TGAG	CCAG	TGCTG	CAAA	GGAGT	CAAA	TACA	-TTACAC	---ATA
Homo sapiens mitochondrion NC_012920.1 (13143)		--TAGC	CCA	CTTAA	TC	CAAA	ACTCT	TAA	CAC	TATGC	TTAGG
		Section 172									
	(14536)	14536	14550	14560	14570	14580	14590	14600	14610	14620	
SARS-CoV-2 Region 11168 - 29055 nt (14256)		GGAA	CTGTAA	CTTTGA	AGCAAGG	TGAAT	-CAAG	GATGCTA	---CTC	CTTCAGAT	TTTGTTCG
Homo sapiens mitochondrion NC_012920.1 (13226)		ACAT	C	AAA	AAATCG	TAGC	CTTCT	CCACT	TCAAG	TCAA	CTAGGA
		Section 173									
	(14621)	14621	14630	14640	14650	14660	14670	14680	14690	14705	
SARS-CoV-2 Region 11168 - 29055 nt (14337)		CAAG	CCT-	CAC	TCCTT	CGGAT	GGCTT	GTTG	GGCT	TGC	ACTTCT
Homo sapiens mitochondrion NC_012920.1 (13310)		CA	TT	CCT	G	CAC	ATCTG	TAG	CCAC	GCCTT	CTTCAAA
		Section 174									
	(14706)	14706	14720	14730	14740	14750	14760	14770	14780	14790	
SARS-CoV-2 Region 11168 - 29055 nt (14419)		TC	AAA	AAGA	GAT--	GC	AACTAG	CA--	CTCTC	CAA	GGGTG
Homo sapiens mitochondrion NC_012920.1 (13392)		TG	AA	C	AAGA	TAT	TC	G	AAA	A	TAG
		Section 175									
	(14791)	14791	14800	14810	14820	14830	14840	14850	14860	14875	
SARS-CoV-2 Region 11168 - 29055 nt (14496)		TACTC	ACAC	CT	TTT	GCTC	----	GTT	GCT	GCT	GG
Homo sapiens mitochondrion NC_012920.1 (13477)		GCAGG	AATA	C	TTT	CCTC	ACAG	GTT	TCT	ACT--	CC

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		Section 176									
	(14876)	14876	14890	14900	14910	14920	14930	14940	14950	14960	
SARS-CoV-2 Reaion 11168 - 29055 nt (14577)		ATAA	AACTTTGTA	AGAATA	ATAA	TGAGG	CTTTGG	CTTTGC	TGGAA	ATGC	CGTTC
Homo sapiens mitochondrion NC_012920.1 (13560)		CCTA	TCTAT-TA	CTCTCA	TGCGT	TACCTG	CTTGAC	AA-GC	-GCCT	ATAG	CACTC
		Section 177									
	(14961)	14961	14970	14980	14990	15000	15010	15020	15030	15045	
SARS-CoV-2 Reaion 11168 - 29055 nt (14660)		TTTTC	TTTGG	TGGGA	TACTAA	TTGT	TACGA	CTAT	TGTAT	ACCTT	ACAA
Homo sapiens mitochondrion NC_012920.1 (13642)		CGCT	-TCCC	CACCG	TACTAA	CATTA	ACGA	AAAT	A----	ACCC	ACCC
		Section 178									
	(15046)	15046	15060	15070	15080	15090	15100	15110	15120	15130	
SARS-CoV-2 Reaion 11168 - 29055 nt (14742)		GATG	GCA	CAACA	GTCT	TATT	CTGA	AACAT	GACTA	CCAG	AT
Homo sapiens mitochondrion NC_012920.1 (13722)		ATTC	GCA	GGATT	TCAT	TACT	TAAC	AACAT	TTCC	CCGC	AT
		Section 179									
	(15131)	15131	15140	15150	15160	15170	15180	15190	15200	15215	
SARS-CoV-2 Reaion 11168 - 29055 nt (14827)		TTGT	TATTA	CACAG	TACTT	CACT	TCA	GACT	ATTA	CCAGC	TG
Homo sapiens mitochondrion NC_012920.1 (13805)		CCC	T----	CGT	GTCA	CTT	TC	CTAG	-GACT	TC	TAC
		Section 180									
	(15216)	15216	15230	15240	15250	15260	15270	15280	15290	15300	
SARS-CoV-2 Reaion 11168 - 29055 nt (14912)		CTTCT	TCAT	CTACA	ATTA	AAAT	TGTG	TGA	TGA	AGC	CT
Homo sapiens mitochondrion NC_012920.1 (13882)		CCACT	--AT	GCA	CA	TTT	ATT	CT	CCA	ACA	TACT
		Section 181									
	(15301)	15301	15310	15320	15330	15340	15350	15360	15370	15385	
SARS-CoV-2 Reaion 11168 - 29055 nt (14993)		TA--	ATCCA	GTA	ATG	GAA	CCA	ATT	TAT	GAT	GAA
Homo sapiens mitochondrion NC_012920.1 (13965)		TACG	AGCCA	AAAC	CTG	CCCT	TACT	CCCT	TAG	ACCT	GACTA
		Section 182									
	(15386)	15386	15400	15410	15420	15430	15440	15450	15460	15470	
SARS-CoV-2 Reaion 11168 - 29055 nt (15076)		TATG	TAT	CTC	AT	TCG	TTT	CGGA	AGAG	CA	GGT
Homo sapiens mitochondrion NC_012920.1 (14048)		TCTCC	AC	CTC	CA	TCA	TCA	CTCA	-ACCA	AAAA	AGGC

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		Section 183									
	(15471)	15471	15480	15490	15500	15510	15520	15530	15540	15555	
SARS-CoV-2 Region 11168 - 29055 nt (15161)		A	G	T	T	A	C	A	C	T	A
Homo sapiens mitochondrion NC_012920.1 (14127)		A	A	C	C	T	A	C	T	A	C
		Section 184									
	(15556)	15556	15570	15580	15590	15600	15610	15620	15630	15640	
SARS-CoV-2 Region 11168 - 29055 nt (15245)		T	T	A	C	G	T	T	A	C	T
Homo sapiens mitochondrion NC_012920.1 (14211)		C	T	A	C	T	A	C	G	T	T
		Section 185									
	(15641)	15641	15650	15660	15670	15680	15690	15700	15710	15725	
SARS-CoV-2 Region 11168 - 29055 nt (15325)		A	G	T	T	T	T	C	T	A	C
Homo sapiens mitochondrion NC_012920.1 (14296)		A	A	T	T	A	T	T	T	A	C
		Section 186									
	(15726)	15726	15740	15750	15760	15770	15780	15790	15800	15810	
SARS-CoV-2 Region 11168 - 29055 nt (15406)		T	G	A	A	C	A	A	C	T	A
Homo sapiens mitochondrion NC_012920.1 (14379)		C	C	A	T	C	G	C	T	A	C
		Section 187									
	(15811)	15811	15820	15830	15840	15850	15860	15870	15880	15895	
SARS-CoV-2 Region 11168 - 29055 nt (15488)		T	T	T	T	G	T	A	T	A	A
Homo sapiens mitochondrion NC_012920.1 (14461)		T	G	T	A	G	T	A	T	A	A
		Section 188									
	(15896)	15896	15910	15920	15930	15940	15950	15960	15970	15980	
SARS-CoV-2 Region 11168 - 29055 nt (15572)		A	T	A	A	A	T	G	G	A	T
Homo sapiens mitochondrion NC_012920.1 (14546)		A	T	A	A	T	G	G	A	T	G
		Section 189									
	(15981)	15981	15990	16000	16010	16020	16030	16040	16050	16065	
SARS-CoV-2 Region 11168 - 29055 nt (15657)		G	A	C	T	G	T	T	G	C	G
Homo sapiens mitochondrion NC_012920.1 (14603)		G	A	C	T	G	T	T	G	C	G

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		Section 190									
	(16066)	16066	16080	16090	16100	16110	16120	16130	16140	16150	
SARS-CoV-2 Region 11168 - 29055 nt (15742)		GA	C	C	A	G	A	C	C	T	T
Homo sapiens mitochondrion NC_012920.1 (14680)		CG	C	---	AC	GG	A	---	CTA	CAA	CCACGAC
		Section 191									
	(16151)	16151	16160	16170	16180	16190	16200	16210	16220	16235	
SARS-CoV-2 Region 11168 - 29055 nt (15742)		C	G	C	T	G	T	G	A	C	A
Homo sapiens mitochondrion NC_012920.1 (14754)		C	A	A	T	A	C	A	T	C	A
		Section 192									
	(16236)	16236	16250	16260	16270	16280	16290	16300	16310	16320	
SARS-CoV-2 Region 11168 - 29055 nt (15912)		G	T	G	T	A	G	C	A	G	G
Homo sapiens mitochondrion NC_012920.1 (14836)		A	T	G	A	A	C	T	T	C	G
		Section 193									
	(16321)	16321	16330	16340	16350	16360	16370	16380	16390	16405	
SARS-CoV-2 Region 11168 - 29055 nt (15996)		G	T	G	A	C	A	T	A	T	C
Homo sapiens mitochondrion NC_012920.1 (14903)		A	T	G	-	C	A	T	A	C	T
		Section 194									
	(16406)	16406	16420	16430	16440	16450	16460	16470	16480	16490	
SARS-CoV-2 Region 11168 - 29055 nt (16079)		A	C	T	A	A	T	T	A	T	A
Homo sapiens mitochondrion NC_012920.1 (14973)		G	C	T	G	A	---	AT	C	A	T
		Section 195									
	(16491)	16491	16500	16510	16520	16530	16540	16550	16560	16575	
SARS-CoV-2 Region 11168 - 29055 nt (16164)		C	T	A	C	T	G	A	A	T	A
Homo sapiens mitochondrion NC_012920.1 (15052)		A	T	A	T	-	T	A	C	G	A
		Section 196									
	(16576)	16576	16590	16600	16610	16620	16630	16640	16650	16660	
SARS-CoV-2 Region 11168 - 29055 nt (16249)		C	A	C	T	G	A	T	A	C	A
Homo sapiens mitochondrion NC_012920.1 (15111)		C	A	C	T	G	A	T	A	C	A

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Figure 1 displays the schematic representation of the SARS-CoV-2 Region 11168 - 29055 nt (16661-16745) and its alignment with the Homo sapiens mitochondrion NC_012920.1. The figure is organized into seven sections, each showing a segment of the SARS-CoV-2 genome (top row) and the corresponding human mitochondrial sequence (bottom row). The alignment is color-coded: red for Adenine (A), green for Cytosine (C), blue for Guanine (G), and yellow for Thymine (T). The alignment shows high sequence identity, with some mismatches highlighted in red. The SARS-CoV-2 sequence is shown in the top row of each section, and the human mitochondrial sequence is shown in the bottom row. The alignment is presented in a tabular format with columns for the SARS-CoV-2 sequence, the human mitochondrial sequence, and the alignment score.

Section	SARS-CoV-2 Region 11168 - 29055 nt (16661-16745)	Homo sapiens mitochondrion NC_012920.1
Section 197	(16661) 16661 16670 16680 16690 16700 16710 16720 16730 16745	(16334) T T C T G G A A C A T A C G A G G G C A A T T C A C C A T T T C A T C C T C T A G C T G A T A A C C A A T T T G C A C T G A C T T G C T T A G C A C T C A A T T T G C T
Section 198	(16746) 16746 16760 16770 16780 16790 16800 16810 16820 16830	(16419) T T T G C T T G T C C T G A C G G G C G T A A A A C A C G T C T A T C A G T T A C G T G C C A G A T C A G T T C A C C T A A A C T G T T C A T C A G A C A A G A G G A A G
Section 199	(16831) 16831 16840 16850 16860 16870 16880 16890 16900 16915	(16504) T T C A G A A C T T T A C T C T C C A A T T T T T C T T A T T G T T G C G G C A A T A G T G T T T A T A A C A C T T T G C T T C A C A C T C A A A A G A A A G A C A G A
Section 200	(16916) 16916 16930 16940 16950 16960 16970 16980 16990 17000	(16589) A T G A T T G A A C T T T C A C C C T T A C T T G A C T T C T A T T T G T G C T T T T A G C C T T C T G C T A T T C C T T G T T T A A T T A T G C T T A T T A T C T
Section 201	(17001) 17001 17010 17020 17030 17040 17050 17060 17070 17085	(16671) T T T G G T T C T C A C T T G A A C T G C A A G A T C A T A A T G A A A C T T G T C A C G C C T A A A C G A A C A T G A A A T T T C T T G T T T T C T T A G G A A T C A T
Section 202	(17086) 17086 17100 17110 17120 17130 17140 17150 17160 17170	(16756) C A C A A C T G T A G C T G C A T T T C A C C A A G A A T G T A G T T A C A G T C A T G T A C T C A A C A T C A A C C A T A T G T A G T T G A T G A C C G G T G T C C T
Section 203	(17171) 17171 17180 17190 17200 17210 17220 17230 17240 17255	(16841) A T T C A C T T C T A T T C T A A A T G G T A T A T T A G A G T A G G A G C T A G A A A A T C A G C A C C T T T A A T T G A A T T G T G C G T G G A T G A G G C T G G T T

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		Section 204									
	(17256)	17256	17270	17280	17290	17300	17310	17320	17330	17340	
SARS-CoV-2 Region 11168 - 29055 nt (16926)	C	T	A	A	T	C	A	T	C	C	C
Homo sapiens mitochondrion NC_012920.1 (15692)	A	T	A	T	T	C	G	C	C	C	A
		Section 205									
	(17341)	17341	17350	17360	17370	17380	17390	17400	17410	17425	
SARS-CoV-2 Region 11168 - 29055 nt (17011)	G	G	T	A	G	T	C	T	T	G	T
Homo sapiens mitochondrion NC_012920.1 (15776)	A	G	T	A	C	C	T	T	T	A	
		Section 206									
	(17426)	17426	17440	17450	17460	17470	17480	17490	17500	17510	
SARS-CoV-2 Region 11168 - 29055 nt (17096)	A	A	C	A	A	C	T	A	A	A	T
Homo sapiens mitochondrion NC_012920.1 (15840)	T	A	A	T	A	C	T	A	T	C	T
		Section 207									
	(17511)	17511	17520	17530	17540	17550	17560	17570	17580	17595	
SARS-CoV-2 Region 11168 - 29055 nt (17181)	C	A	G	T	A	A	C	C	G	A	G
Homo sapiens mitochondrion NC_012920.1 (15919)	T	G	T	A	A	C	C	G	A	G	T
		Section 208									
	(17596)	17596	17610	17620	17630	17640	17650	17660	17670	17680	
SARS-CoV-2 Region 11168 - 29055 nt (17257)	T	C	T	T	G	G	T	T	C	A	C
Homo sapiens mitochondrion NC_012920.1 (16003)	T	C	T	T	A	A	C	T	A	T	T
		Section 209									
	(17681)	17681	17690	17700	17710	17720	17730	17740	17750	17765	
SARS-CoV-2 Region 11168 - 29055 nt (17339)	G	C	A	G	T	C	C	A	G	A	T
Homo sapiens mitochondrion NC_012920.1 (16083)	-	C	G	C	T	A	T	G	T	A	T
		Section 210									
	(17766)	17766	17780	17790	17800	17810	17820	17830	17840	17850	
SARS-CoV-2 Region 11168 - 29055 nt (17424)	A	A	G	A	T	G	T	A	T	T	C
Homo sapiens mitochondrion NC_012920.1 (16151)	C	T	G	-	T	A	G	T	A	C	A

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		Section 211									
		(17851)	17851	17860	17870	17880	17890	17900	17910	17920	17935
SARS-CoV-2 Region 11168 - 29055 nt (17508)			A A C T	G A G G G A G C C T	T G A A T A C A C C	A A A A G A T C A C A T T G G	C A C C C G C A A T C C	T G C T A A C A A T G C T G	C A A T C G T G C T	A C A A C T T C C T	
Homo sapiens mitochondrion NC_012920.1 (16226)			A A C T	A T C A C A A - C A T C A A C T	G C A A G T C C A A A G C	C A C C C C T C A C C C A C T	A G G A T A C C A A C A A A C	C T A C - - - - - C C A C	- - - - - C C T		
		Section 212									
		(17936)	17936	17950	17960	17970	17980	17990	18000	18010	18020
SARS-CoV-2 Region 11168 - 29055 nt (17593)			C A A G G A A C A A C A T T G C	C A A A G G C T T C T A C	G C A G A A G G G A G C A G	A G G C G G C A G T C A A G C	C T C T T C T C G T T C C T	C A T C A C G T A G T C			
Homo sapiens mitochondrion NC_012920.1 (16298)			T A A C A G T A C A T A G T A C A T	A A A G C A T T T A C C - -	G T A C A T A G C A A T T A - -	C A G T C A A A T C C T T T C T C G T	C C - C A T G G A T G A C C C				
		Section 213									
		(18021)	18021	18030	18040	18050	18060	18070	18080	18090	18105
SARS-CoV-2 Region 11168 - 29055 nt (17678)			G C A A C A G T T C A A G A A A T T	C A A C T C C A G G C A G C A G T A G	G G G A A C T T C T C C T G C T A G	A A T G G C T G G C A A T G C	G G T G A T G C T G C T				
Homo sapiens mitochondrion NC_012920.1 (16378)			C C C T C A G A T - - A G G G G T C G	C T T G A G C A C C A T C T C C G T	G A A A - - T C - - - - - A A T A T	C C C G C A C A A G A G - T G	C T A C T C T C C T				
		Section 214									
		(18106)	18106	18120	18130	18140	18150	18160	18170	18180	18190
SARS-CoV-2 Region 11168 - 29055 nt (17763)			T G C T T T G C T G C T G C T T G	A C A G A T T G A A C C A G C T G	A G A G C A A A A T G T C T G G T	A A A G G C C A A C A A C A A G G C	C A A A C T G T C A C T				
Homo sapiens mitochondrion NC_012920.1 (16449)			C G C T C C G G G C - - C A T A A C A C T	T G G G G G T A G C T A A A G T G A A C T G	T A T C C G A C A T C T G G T T C	C T A C T T C A G G G T C A T A A A G C	- - T				
		Section 215									
		(18191)	18191	18200	18210	18220	18231				
SARS-CoV-2 Region 11168 - 29055 nt (17848)			A A G A A A T C T G C T G C T G A G G	C T T C T A A G A A G C T C G G	C A A A A						
Homo sapiens mitochondrion NC_012920.1 (16530)			A A A T A G C C A C A C G T T C C C	C T T A - A A T A A G A C A T C A C G A T G							