

SARS-CoV-2 & HERV- E.apr

	(1)	1	10	20	30	40	50	60	70	80	90	Section 1
HERV- E (AB062274.1)	(1)	G G C C	C C G C A	G A C A C T C -	A G C T A A A G A T G T C T	C A T A G G T T G T C C T T	G C A G C T A A G T G G G	G C C --	A T G A G A C T A G	-- --	G C T T -	T A A C C A G
SARS-CoV-2 (region 17170 - 29465)	(1)	G C C G	C T G T T	G A T G C A C T A T G T	G A G A A G G C A T T A A A	T A T T T G C C T A T	A G A T A A A T G T A G	T A G A	A T T A T A C T G	C A C G T	G C T C G T	G T A G A G
	(91)	91	100	110	120	130	140	150	160	170	180	Section 2
HFRV- F (AB062274.1)	(82)	T G G G C	T G A G A G --	T T A A A G T G A T T T T T G	C --- -- --	C A T T C T G T T	T T T A G G A A T G G A T G	T G T C T	- G C C T G T G	-- -- --	G C A G A T T A T A T	T
SARS-CoV-2 (region 17170 - 29465)	(91)	T G T T T	T G A T A A A T	T C A A A G T G A T T C A A	C A T T A G A A	C A G T A T G T C	T T T T G T A C	T G T A A A T G C A T T	G C C T G A G	A C G A C A	G C A G A T -	A T A G T
	(181)	181	190	200	210	220	230	240	250	260	270	Section 3
HERV- E (AB062274.1)	(156)	T T T C A A A	G A T G A C C A C A A	A A A T A T C T C C T	A T C - T C A T G T G T G A T T	C T A C A G T G G G G T	C T A T G T C C C T C T T C T T G A	A A T G T G T G T G	C A C T T			
SARS-CoV-2 (region 17170 - 29465)	(180)	T G T C T T T	G A T G A A A T T T C	A A T G G C C A C A A	A T T A T G A T T	T G A G T G T T G T	C A A T G ---	- C A G A T T A C G T G C T A A G C A C T A	T G T G T A C A T T G			
	(271)	271	280	290	300	310	320	330	340	350	360	Section 4
HFRV- F (AB062274.1)	(245)	G T G A C	T G C T T T G A C T A A C	A G A G T A T G G G	G T A G G A T G C C A T G T	G A C T T C T G A G G	C T G G G T C A C G G A A A G --	C A A T T --	G T T A T A A G T T A A A			
SARS-CoV-2 (region 17170 - 29465)	(266)	G C G A C	C C T G C T C A A T T A C C T -	G C A C C A C G C A C A T	T G C T A A C T A A G G G	C A C A --	C T A G A A C C A G A A T A T T T	C A A T T C A G T	G T G T G A G A C T T A			
	(361)	361	370	380	390	400	410	420	430	440	450	Section 5
HERV- E (AB062274.1)	(331)	T T G C A T G T C C C C	G C C C C C A C	C A A A T T C A T A T G A T G C A	G T C T T A A T --	T C C T G C T G C C -- -- --	T C C G A A T G T G A C C T T A	T T T A G A --	A A G			
SARS-CoV-2 (region 17170 - 29465)	(353)	T G A A A A C T A T A G	G T C C A G A --	C A T G T T C T C G G A C T T	G T C G G C G T G T C C T G C T G	A A A T T G T T G A C A C T G T G A G	- T G C T T T G T T T A T G					
	(451)	451	460	470	480	490	500	510	520	530	540	Section 6
HERV- E (AB062274.1)	(412)	A G A A T C A T C G T G G A T	C T A A T T A G T T A	A G A T T A G G T C A	-- -- --	T A C T A C A G T G T G -	T G A G A C C C T A A T C C C G T A G G A C T G G	T C T T -- -- --	A			
SARS-CoV-2 (region 17170 - 29465)	(440)	A T A A T A A G C T T A A A G	C A C A T A A A G A C A A A T	C A G C T C A A T G C T T	T A A A A T G T T T A T A A G	G G T G T T A T C A C G C A T	G A T G T T T C A T C T G C A					
	(541)	541	550	560	570	580	590	600	610	620	630	Section 7
HFRV- F (AB062274.1)	(491)	T A A A A A G G G T A -	A T T T G G G C A C A	G A A A T A G A C A T G C A T A	G A G G G A A G A T G A T G	T G A A G A A A C A C A G C	T C A G A C A C C C A T C T T	C A A G G C A A				
SARS-CoV-2 (region 17170 - 29465)	(530)	T T A A C A G G C C A C A A A T	A G G C G T G T A A G A G A A T	T C C T A C A C G T A A C C C T	G C T T G G A G A A A A G C T G	- T C T T T A T T T C A C C T T	A T A --	A T				

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										Section 8
										720
HERV- E (AB062274.1)	(631)	631	640	650	660	670	680	690	700	710
SARS-CoV-2 (region 17170 - 29465)	(580)	GGAGAGAGGCTGGAACAGATCAGAAAGGAATCAACCCTGCCAACACCTTCATTTAGAGC-TGCTAGCCTCCAGAAC-TGTCGTTTAAACA								
	(616)	TCACAGATGCTGTAGCC--TCA-AAGATTGTGGGACTACCAACTCAAACTGTGTGATTCAATCACAGGGCTCAGAAATAGACTATGTCATA								
										Section 9
										810
HFRV- F (AB062274.1)	(721)	721	730	740	750	760	770	780	790	800
SARS-CoV-2 (region 17170 - 29465)	(668)	CCCAGTCGTGTGACTCTTACTATGGCAGTATGGTAGGAGACCACTCTCCGTGTGTCCTTCCAGTTTCTCCCCAACCTCCCTTTT								
	(703)	TTCACTCAAAC-CACTGAACAGCTCACTCTGTGATGTAA--AACAGATTAAAGTTGCTA--TTT								
										Section 10
										900
HERV- E (AB062274.1)	(811)	811	820	830	840	850	860	870	880	890
SARS-CoV-2 (region 17170 - 29465)	(758)	CCCTAGTTTATTAAGACAG-----GAGAAAGGGAGAAAGCAAAAGGT-TGGAAAAGAAACAGAGTAA----GATAAATAGCTAGACGACC								
	(788)	GCAATAATGTCGATAGAGACCTTTATGACAAGTTGCAATTTACAAGTCTTGAAATTCACGTAGGAAATGTGGCAACTTTACAGCTGAAA								
										Section 11
										990
HFRV- F (AB062274.1)	(901)	901	910	920	930	940	950	960	970	980
SARS-CoV-2 (region 17170 - 29465)	(838)	TTTG--GCGCCACCACTGGCCCTGGTGGTTAAATGATATAAATAATTACCCCTG-----ACCAAACTACTG-GTGTTTATCTGTAAA								
	(878)	ATGTAAACAGGACTCTTTAAAGATTGTAGT-AAAGTAATCACTGGGTTACATCCTACACAGGCACCTACACACTCAGTGTTTGACACTAAA								
										Section 12
										1080
HERV- E (AB062274.1)	(991)	991	1000	1010	1020	1030	1040	1050	1060	1070
SARS-CoV-2 (region 17170 - 29465)	(918)	TTCCAGAC--A-----TTATATGA-GAAGCACTGTATAAACTTTTTGTACTGTTAGCTGATGTAGGTAGCCCCAGTTCACGTTCCCTACAC								
	(967)	TTCAAACCTGAAGGTTTATGTGTTGACATACCTGTCATACCTAAGGACATG--ACCTATAGAAGACTCATCTCTATGATGGGTTTAAAA								
										Section 13
										1170
HERV- E (AB062274.1)	(1081)	1081	1090	1100	1110	1120	1130	1140	1150	1160
SARS-CoV-2 (region 17170 - 29465)	(1001)	TTACTTGA----TCTGTGATGACTCTTTCACTAGTAA--CCC-CCTTAGA-GTTGTAAGCCTTCAAAAGGCTAGGAAT---TTCCTTTTC								
	(1055)	TGAATTATCAAGTTAAATGTTACCTAAATGTATTATCACTCCGGAAGAGCTATAAAGACATGTAC-GTGCATGGATTGGCTTCGATGTC								
										Section 14
										1260
HFRV- F (AB062274.1)	(1171)	1171	1180	1190	1200	1210	1220	1230	1240	1250
SARS-CoV-2 (region 17170 - 29465)	(1079)	G--GGGAGCTCGGCT-CTTAAGATGC-GACTCTGCCGATGCTCCTGGCCGAAATAAAACCCTTCTCTTTAATCCAGTGTCTG-----								
	(1144)	GAGGGGTGTCATGCTACTAGAGAGCTGTGGTTACCAATTACCTTTACAGCTAGGTTTTCTACAGGTGTAAACCTAGTTGCTGTACCT								

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		Section 15													
		(1261)	1261	1270	1280	1290	1300	1310	1320	1330	1340	1350			
HERV- E (AB062274.1)	(1160)	AGGA	GTTT	TGTCTG	CGACTCAT	CCGTC	TACATTCT	TTGGTT	TCCCTGCC	TGGGAAGCG	AGGTAA	TTGATGGAC	CGGAGG	CCAG-	
SARS-CoV-2 (region 17170 - 29465)	(1234)	ACAG	GTTT	TGT-TG	ATACACCT	TAA	TAA	TACAGATT	TTTCCAGAGT	TTAGTCT	AAAC	ACC	GCC	TG	
		(1351)	1351	1360	1370	1380	1390	1400	1410	1420	1430	1440			
HFRV- F (AB062274.1)	(1249)	CCTTAG	GTGG	CTTAGG	CTG	CCCTG	TGGAG	CAATCC	CTGT	GGGG	GACT	CTTGGCC	AGCTTG	AGTGAC	
SARS-CoV-2 (region 17170 - 29465)	(1323)	A	CTTAT	GTA-CAA	AGGACT	TCT	TGGAAT	GTAG	TG	CGTATA	AAAGATT	TGTACAA	ATGTTA	AGTGAC	
		(1441)	1441	1450	1460	1470	1480	1490	1500	1510	1520	1530			
HERV- E (AB062274.1)	(1339)	AG	GCAAT	TTGCC	CCGGT	GGAA	CGCCTCAT	TC-AG	AGCA	GTGCG	TG	GCAG	GCCCC	TGTG	
SARS-CoV-2 (region 17170 - 29465)	(1412)	TC	GTAAT	TTGT	CTTATG	GGC	ACATGG	CTTT	TGAG	TTGACAT	CTAT	GAA	TATTT	TGTG	
		(1531)	1531	1540	1550	1560	1570	1580	1590	1600	1610	1620			
HFRV- F (AB062274.1)	(1422)	AAG	GATG	GGCAC	TG	GAGT	CCG-----	GACAT	TTT	GAAAG	CT	TG	GTAAG	ACTGG	
SARS-CoV-2 (region 17170 - 29465)	(1502)	A	TAGA	CGTGC	CACATG	CTTT	CCACTG	CTTCA	GACAT	TTT	ATG	CTGT	TTGGC	ATCAT	
		(1621)	1621	1630	1640	1650	1660	1670	1680	1690	1700	1710			
HERV- E (AB062274.1)	(1501)	AAG	CGTG	GCC	TGATCA	CCATGG	CGTG-----	CCTG	TACCG	GCAC	TTTG	GT	TTT	TG	
SARS-CoV-2 (region 17170 - 29465)	(1591)	AT	GAT	TGA--	TGTCA	ACAATGG	GTTTTAC	AGGTAA	CCTACA	AAGCA	ACCAT	TGAT	CTGT	TATT	
		(1711)	1711	1720	1730	1740	1750	1760	1770	1780	1790	1800			
HERV- E (AB062274.1)	(1576)	GAT	ATTT	TG	TTTGG	TTT	TGAC	C---TG	GCTTG	GACT	TC	TGGA	-TACT	CG	
SARS-CoV-2 (region 17170 - 29465)	(1678)	G	CTAG	TTGT	GATG	CAATCA	TGAC	TAGGTGT	CTAG	CTG	TCCAC	GAGT	GTCT	TTGT	
		(1801)	1801	1810	1820	1830	1840	1850	1860	1870	1880	1890			
HFRV- F (AB062274.1)	(1662)	G	TGTGT	TGTG	CC	TTTTT	TACC	TG	TTCT	TTGT	TCTGT	G	GTGT	---GT	
SARS-CoV-2 (region 17170 - 29465)	(1766)	T	TGTG	TGA	TGA	AGAT	TAA	TG	CGGC	TTGT	AGAAA	G	GT	TCAAC	

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Section 22																																
	(1891)	1891	1900	1910	1920	1930	1940	1950	1960	1970	1980																					
HERV- E (AB062274.1)	(1748)	CAGA	CACAA	AA----	GTAA	GCTA	CTCC	GCTA	GGAA	CTGTGT	---TGAA	AAATT	TTA	AGAA	GGA	-----	TTTA	ATGG	ACA	-CTA	TG	GGGT										
SARS-CoV-2 (region 17170 - 29465)	(1854)	TCTT	CACGA	CATTG	GTAA	CCTA	AA--	GCTA	TTAA	TGTGT	ACC	TCAA	GCTGA	TGT	AGAA	TGGA	AGTTC	TATG	ATGC	ACAG	CCT	TG	TAGT									
Section 23																																
	(1981)	1981	1990	2000	2010	2020	2030	2040	2050	2060	2070																					
HERV- F (AB062274.1)	(1875)	TACT	ATG--	ACACC	AGG	GAA-	ACTTA	G-----	A-----	ACTTT	G	TGTG	AAAT	----	AGAT	TG-----	GCC	AACA	TTA	GAA	TG	G										
SARS-CoV-2 (region 17170 - 29465)	(1942)	GACA	AAGCTT	ATA	AAATA	GAA	GAATTA	TTCTAT	TCTTAT	GCCAC	ACATT	CTG	AC	AAAT	TCAC	AGAT	G	TGTAT	GCC	TATT	TTG	GAA	TG	C								
Section 24																																
	(2071)	2071	2080	2090	2100	2110	2120	2130	2140	2150	2160																					
HERV- E (AB062274.1)	(1887)	GT	TGG	CCAT	CAGA	AGGA	AGCCTG	GAC	AGG	TCC	CTTGTTT	CTA	AGG	TAT	TGG	CAC	AG	GTA	ACT	TG	TA	AG	TC	CA	GAC	CA	GTT	CC				
SARS-CoV-2 (region 17170 - 29465)	(2032)	AA	TGT	CAT	----	AGAT	ATCCTG	CTAA	T-	TCC	ATTGTTT	GTA	-GAT	TTGA	CAC	TAG	---	AG	TGC	TA	TC	TA	AC	CTT	A	ACTT	GCC	TG	GTT	GT		
Section 25																																
	(2161)	2161	2170	2180	2190	2200	2210	2220	2230	2240	2250																					
HERV- F (AB062274.1)	(1977)	C	ATG	CA	TAG	A	CAC	TTG	GTT	TACA	GCT	GGT	GCT	TAG	AGC	CC	CACA	G-----	TGG	C	TAA	AG	GG	GC	-----	AGGC	AGC	AGC	AGT	GCT	AGT	
SARS-CoV-2 (region 17170 - 29465)	(2113)	G	ATG	G-	TGG	CAGT	TTG	TAT	TGTA	AAAT	AAACAT	TGC	ATT	CC	ACACA	CC	CAGCTT	TT	GAT	AAA	AG	GC	TTTT	TGTTA	ATTT	AAA	ACA	ATT	TAC	AT		
Section 26																																
	(2251)	2251	2260	2270	2280	2290	2300	2310	2320	2330	2340																					
HERV- E (AB062274.1)	(2053)	AG-	CAA	AGGGA	CAG	ATAG-	CCA	AGGA	AG	GA	TC	CC	GCTCC	AC	C-----	GTC	TGA	GGG	AA	CCA	---	AC	TC	CTAAAGT	TC	--	T	----	GT	TC		
SARS-CoV-2 (region 17170 - 29465)	(2202)	TTT	CTA	TTACT	CT	GAC	AGT	CCA	TG	TGAG	TC	AT	G	AAA	AC	AAGTAGT	GTC	AGA	TAT	AG	ATT	ATGT	AC	CA	CTAAAGT	CTGC	T	ACGT	GT	AT		
Section 27																																
	(2341)	2341	2350	2360	2370	2380	2390	2400	2410	2420	2430																					
HERV- E (AB062274.1)	(2126)	AAC	CA----	ACAT	CAG	AA	GATAC	AT	TG	CAG	GAGA	TGG	CA--	CAG	TGA	TCC	CAG-	TG	GT	GC	C---	CT	CCCT	TAC	CAG	G	-----	G	AG			
SARS-CoV-2 (region 17170 - 29465)	(2292)	AAC	AC	GTTGC	AAT	TT	AGGT	GG	TGTG	T-	CTG	TAGA	CAT	CA	TG	CTA	TGA	GTA	CAG	ATT	GT	AT	CT	CGA	TG	CTTA	TA	ACAT	GATGATCTC	AG		
Section 28																																
	(2431)	2431	2440	2450	2460	2470	2480	2490	2500	2510	2520																					
HERV- F (AB062274.1)	(2199)	AG	GG	GC	TCCC	CACT	TTT	GATT	CC	CA	CA	GTGC	TTG	TAC	CT	CCG	CA	AGA	CAA	AC	AT	TCC	TTA	GGCC	ACC-	CAC	AGT	AG	CAAGA	-GAGG	AGG	
SARS-CoV-2 (region 17170 - 29465)	(2381)	CT	GG	CT	TTAG	CTTG	TGG	GT	TT	CA	AA	CAAT	TTG	ATA	CT	TATA	ACCT	CTGGA	AC	ACTT	TTA	CAAG	AC	TT	CAG	AGT	TT	AG	AA	AT	GTGG	CTT

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Section 36											
	(3151)	3151	3160	3170	3180	3190	3200	3210	3220	3230	3240
HERV- E (AB062274.1)	(2859)	TG--TG-TGAGGCC	TATCG	TATGTAT	ACTCCCT	TTGATC	CCGATA	GCCCTGAA	AATCAGTG	CATGATTA	ACATGGCTT-TAGTTATTCAA
SARS-CoV-2 (region 17170 - 29465)	(3084)	TGATTTCTT	AGAATTAGC	-TATGTAT	GAATTCAT	TTGAAC	GGTATA	AATTA	GAAAGGCT	ATGCTTCGAAC	ATATCGTTATGGAGATTTTA
Section 37											
	(3241)	3241	3250	3260	3270	3280	3290	3300	3310	3320	3330
HFRV- F (AB062274.1)	(2945)	AGCAC	AGAAGACA	TTAGAA	GAAAAC	TGCAGAA	ACAGGC	TGGGT	TTGC--	-AAGGAT	GAAACACATCACAGTT--ATTAGAAATAGCTAAC
SARS-CoV-2 (region 17170 - 29465)	(3173)	GTCA	TAGTCAG--	TTAGGT	GGT--TACA	TCTACT	GAT	TGGAC	TAGCTAA	ACGTTTAA	GGAATCACCTTTTGAATTAGAA
Section 38											
	(3331)	3331	3340	3350	3360	3370	3380	3390	3400	3410	3420
HERV- E (AB062274.1)	(3029)	CAGGTG	TTTGTA	AACAGGG	ATGCA	GTAGC	GTAA	GGAA	AAAC	CAGAAA	GAGAA
SARS-CoV-2 (region 17170 - 29465)	(3259)	CCTA	TGGACAGT	A-CAGTT	AAAA	ACTATTT	CATAA	C-AGATG	CGCAAA	CAGGT	TCATC-TAAGTGTGTGTGTTCTGTTAT
Section 39											
	(3421)	3421	3430	3440	3450	3460	3470	3480	3490	3500	3510
HFRV- F (AB062274.1)	(3116)	GC	TGCA	GCAATC---	AGAGGGG	ACCCC	CCAA	AGA	GGC	AGGG-----	AAGGGGGGCCCCGGGA--A-----AGAAACT-CA
SARS-CoV-2 (region 17170 - 29465)	(3346)	CT	TGAT	GATTTTGTTG	AAATAAT	AAAATCC	CAAGA	TTTT	ATCTG	TAGTTTCT	AAGGTTGTCAAAGTGACTATTGACTATAC
Section 40											
	(3511)	3511	3520	3530	3540	3550	3560	3570	3580	3590	3600
HERV- E (AB062274.1)	(3181)	-----	GCCTGGCTGT	CAGAGCTT	GCAGC	GTA--ATCAGT	TGTGCTT	ATTGTAA	AGAAA	TAGGAC	ATTGGAAGAACAAAG-----TGCT-----C
SARS-CoV-2 (region 17170 - 29465)	(3436)	TTTAT	GCTTTGGTGT	AA-AGATG	GCATGTA	GAAACATTT	TACCAAAAT	TACAATC	TAGTCA	AGCGTGGC	AACCGGTGT
Section 41											
	(3601)	3601	3610	3620	3630	3640	3650	3660	3670	3680	3690
HERV- E (AB062274.1)	(3256)	TCAGCT	----	AAAA	GGA	AAACAA	GGTGA	CTTGGA	GCAG	GAGG	CAC
SARS-CoV-2 (region 17170 - 29465)	(3525)	TAACTCT	TTAC	AAAA	TGC	AAAGAA	TGCTA	-TTAGAA	AGTGT	GACCTTC	AAAA
Section 42											
	(3691)	3691	3700	3710	3720	3730	3740	3750	3760	3770	3780
HFRV- F (AB062274.1)	(3342)	TG--GA	CTGAG	GGGG	ACTGGG	CTCAA	GGG	CCCC	C-----	AAA	GAGCC
SARS-CoV-2 (region 17170 - 29465)	(3611)	TGAT	GAATG	TCG	CAAA	ATATA	CTCAA	CTGTGT	CAATATTT	AAA	CA

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Section 43																																							
	(3781)	3781	3790	3800	3810	3820	3830	3840	3850	3860	3870																												
HERV- E (AB062274.1)	(3423)	T	TGTA	GATAC	CGGT	TGCT	GACAT	T	CGGT	AGTA	ACCG	CCCCGGT	CGCC	CC	TTAT	TCCAAA	AAGAC	TA	----	T	GACAT	AATCG	GAGC	CAC															
SARS-CoV-2 (region 17170 - 29465)	(3701)	G	TGCT	GGT	CTCT	GAT	TAAAG	GAGT	TG	CACC	AGGT	ACAG	CG	TGTTT	T	AAGAC	AGT	TGGT	TGCCT	ACGGG	TA	CGCTGC	T	TGTCG	AT	TCAGAT	CTTA												
Section 44																																							
	(3871)	3871	3880	3890	3900	3910	3920	3930	3940	3950	3960																												
HFRV- F (AB062274.1)	(3508)	GG	GAG	TTT	CAG-	CAA	AACA	AGC	TT	TCTGC	TTG	CCCC	G	GAC	TTGT	---	ACTGTA	AG	---	AGGAC	ATAAA	AGT	GAT	TCAT	CA	GT	TTTT	TGT	-	AC									
SARS-CoV-2 (region 17170 - 29465)	(3791)	AT	GAC	TTT	GTCT	CTG	ATGC	AGAT	TT	CAACT	TTG	ATTG	G	TGA	TTGT	GCA	ACTGTA	CATAC	AGCTA	ATAAA	TG	GGATC	-	TCAT	TAT	TTAGT	GAT												
Section 45																																							
	(3961)	3961	3970	3980	3990	4000	4010	4020	4030	4040	4050																												
HERV- E (AB062274.1)	(3590)	ATG	CCT	GAC	TG	TCCCT-	TGCCCT	TGTT	GGG	AA	GGA	CT	TG	CT	TAGC	AAG	CTG	AG	AG	CCAC	TATC	TC	TT	TTACA	GAGCA	TGG	CT	TTT	TG	CT									
SARS-CoV-2 (region 17170 - 29465)	(3880)	ATG	TAC	GAC	CC	TAA	GAC	T	AAAAA	TGTT	ACA	AA	A	GAA	AT	TG	ACT	CTA	AAG	---	AGGT	---	TTTT	TCAC	TTACA	TTTG	-	TGG	G	TT	TATACA								
Section 46																																							
	(4051)	4051	4060	4070	4080	4090	4100	4110	4120	4130	4140																												
HFRV- F (AB062274.1)	(3679)	G	CT	AAAG	T	TAC	C	CAGA	ACG	GGAG	TCATTA	TG	AC	CCT	T	AC	GGT	CC	CCG	AG	AGGA	-	GGAATG	GA	GAC	T	TTT	CT	TAACT	AGTT	GAGC	CAA							
SARS-CoV-2 (region 17170 - 29465)	(3963)	A	CA	AAAG	C	T	AG	CTCTT	-	GGAG	GTTC	CG	TG	G	CTA	TAA	AG	AT	AAC	AGAA	CA	ATTCTT	GGAATG	CT	GA	TC	TTTT	ATA	AGCT	A	TGG	GAC	CTT						
Section 47																																							
	(4141)	4141	4150	4160	4170	4180	4190	4200	4210	4220	4230																												
HERV- E (AB062274.1)	(3767)	GAG	ATAA-	GAC	CAGC	TCT	TG	GCTA	AGT	TGG	TG	GCC	AA	GAGT	G-	TGGC	CTGA	AG	CA	ACCC	TCCAG	GGT	TG	GC	AGT	-	C	-----	AACCA	AGC									
SARS-CoV-2 (region 17170 - 29465)	(4050)	CGC	AT	GGT	GGA	CAGC	CT	T	TGTTAC	-	TAA	TG	TGA	AT	G	CT	CA	T	CA	CTGA	AG	-	CA	TTTTT	T	AATT	GG	AT	G	TAA	TTAT	CTTGGCA	AACCA	CGC					
Section 48																																							
	(4231)	4231	4240	4250	4260	4270	4280	4290	4300	4310	4320																												
HERV- E (AB062274.1)	(3847)	CCC	CAT	ACTT	ATAG	-	-	AG	TTA	AGC	CT	GGG	AC	AG	CT	GG	TTA	AGG	CAA	AA	-	ACA	GTA	CC	CGG	TC	CCCA	G	AGA	AG	CT	-	-	CTTGA	AGGT	AT			
SARS-CoV-2 (region 17170 - 29465)	(4138)	GAA	CAA	ATAG	AT	G	TT	AT	GT	CA	T	GC	AT	G	CAA	ATT	AC	AT	TTT	GG	AGG	AA	T	ACA	AAT	CC	AAT	TC	AGTT	G	TCTTC	CT	ATT	CTTT	A	TTTGA	TTG	AC	
Section 49																																							
	(4321)	4321	4330	4340	4350	4360	4370	4380	4390	4400	4410																												
HFRV- F (AB062274.1)	(3931)	CCAG	GT	CC	AT	CT	CA	AG	T	GCC	-	-	TAAG	AAC	CTT	TG	GAA	TTA	AAGT	T	CCT	TG	TC	AGTC	TC	CA	CGG	AA	CAC	T	CT	CCT	CT	TGC	CT	G	TTCC	AA	AG
SARS-CoV-2 (region 17170 - 29465)	(4228)	ATGA	GT	AA	AT	TC	CCC	T	TAAAT	TAAG	GGG	TAC	TG	CTG	TTA	TG	CT	T	TAAA	AAG	AGG	TC	AA	ATC	AA	TGAT	TAT	GAT	TTT	TAT	CT	CT	TT	CT	T	AGT			

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Section 50												
	(4411)	4411	4420	4430	4440	4450	4460	4470	4480	4490	4500	
HERV- E (AB062274.1)	(4019)	CCTGG--GACCAAGGACTACAGGCCGGTACAGGATT-----TGCGCTTGGT-----TAATCAAGCTACAGTGACTTTACA										
SARS-CoV-2 (region 17170 - 29465)	(4318)	AAAAGGTAACATTATAGAGAAAACAACAGAGTTGTTATTTCTAGTGTGTTCTTGTAAACAACTAACGAAACAATGTTGTTTTCT										
Section 51												
	(4501)	4501	4510	4520	4530	4540	4550	4560	4570	4580	4590	
HERV- F (AB062274.1)	(4087)	TCCAACAGTAC--CTAACCCGTACACATGTTTGGGGTTGCTGGCAGCTGAGGACAGCTGCTTCACTTGCCTGGAC----CTGAAAGACG										
SARS-CoV-2 (region 17170 - 29465)	(4408)	TGTTTTATTGCCACTAGTCTCTAGTCAGTGTGTTAATCTTACAAACAGAACTCAATTAC--CCCTGCATACACTAATTCTTTCACACG										
Section 52												
	(4591)	4591	4600	4610	4620	4630	4640	4650	4660	4670	4680	
HERV- E (AB062274.1)	(4170)	CTTTCCTTTAGCATC-----AGATT--AGCCCTGAG-----AGCCAGAAAGCTATT--TGCTTTTCAGTGGGAA--GATCCGGA										
SARS-CoV-2 (region 17170 - 29465)	(4495)	TGGTGTCTTTATTACCTGACAAAGTTTCTAGATCCTCAGTTTTTACATTCAACTCAGGACTGTTTCTTACCTTTCTTTTCCAAATGTTACTTG										
Section 53												
	(4681)	4681	4690	4700	4710	4720	4730	4740	4750	4760	4770	
HERV- F (AB062274.1)	(4237)	GTCAAGGTGTCACTACGTACACTTGGACCGGCTTCCCAAGGGTTCAAGAACCTC--CCACCATCTTTGGGGAAGGTGTTGGCTTC-G										
SARS-CoV-2 (region 17170 - 29465)	(4585)	GTTCCTATG---CTATACATGTCTCTGGACCAATGTTACTAAGAGGGTTGATTAACCTGTCTTACCAT--TTAATGATGGTGTATTATTTG										
Section 54												
	(4771)	4771	4780	4790	4800	4810	4820	4830	4840	4850	4860	
HERV- E (AB062274.1)	(4324)	AGAACCAC--AGAAGTTTCCCAACAGA-GACCTAGGCTGTGTGTTGCTCCAGTATGTT-GAT-----CTTTTGCTGGGACACCCCA										
SARS-CoV-2 (region 17170 - 29465)	(4671)	CTTCCACTGAGAAGTCTAACTAATAAGAGGCTGGATTTTGTGTTACTACTTTAGATTCTGAGAGACCCAGTCCCTACTTATTGTTAATAACG										
Section 55												
	(4861)	4861	4870	4880	4890	4900	4910	4920	4930	4940	4950	
HERV- E (AB062274.1)	(4401)	CGGCAGTCCGGTGCGCCAAAGGAACAGACACACTCTCCGGCAAC--TGGAGGACGTGGGTATA--AGGTGTCCAAAGAAAAAGCTCAGA										
SARS-CoV-2 (region 17170 - 29465)	(4761)	CTACTAATGTTGTTATTAAAGTCTGTGATTTTCAATTTTGTAAATGATCCATTTTGTGGTGTATTACCACAAAACAAACAAAGTTGGA										
Section 56												
	(4951)	4951	4960	4970	4980	4990	5000	5010	5020	5030	5040	
HERV- F (AB062274.1)	(4488)	TC-----TGCCAAAGCAGCAGTACATTACTTGGGAT--TTACTATCCGACAGGGGGAGCGCAGCCTG-----GGATCAGGAAG-AAAAGC										
SARS-CoV-2 (region 17170 - 29465)	(4851)	TGGAAAGTGAGTTTCAAGATTATTCTAGTGCGAATAAATTGCACTTTTGAATATGTCTCTCAGCCTTTTCTTATGGACCTTGAAGAAAAC										

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Section 57											
HERV- E (AB062274.1)	(5041)	5041	5050	5060	5070	5080	5090	5100	5110	5120	5130
SARS-CoV-2 (region 17170 - 29465)	(4563)	AGGTCATTTGCAA---TCTGCCAGAG-----GCCTAAGACCA--GAAGGCAGGTGAGAGAG---ATTCTTAGGAGCTGCGGGGTTTTCAG	(4941)	AGGGTAAATTCAAATACTTAGGGAATTTGTGTTTAAGATATTGATGGTTATTATAAATATATTCTAAGCACACGCCTATTAAATTTAG							
Section 58											
HFRV- F (AB062274.1)	(5131)	5131	5140	5150	5160	5170	5180	5190	5200	5210	5220
SARS-CoV-2 (region 17170 - 29465)	(4639)	ACTGTGGA-TCCCACAC--T-TTGCACTATTAGCTAAGCCTTTGTGTGAGGTTCACAA-AGTGGGGGGGACCGGGACC	(5031)	TGCGTGATCTCCCTCAGGGTTTTCGGCTTTAG---AACCATTTGTGATTTCGCAATAGGTATTAACTACTAGGTTTCAAACTTTAC							
Section 59											
HERV- E (AB062274.1)	(5221)	5221	5230	5240	5250	5260	5270	5280	5290	5300	5310
SARS-CoV-2 (region 17170 - 29465)	(4723)	ATCCAGCAACAGCAAGCCTTTCA-----TGAGT-----TAAAGGAAAACTTATGTCAGCCAGCC--TG---GGGCTATCCGATC	(5118)	TGCTTTTACATAGAAATTATTTGACTCCTGGTGAATCTTCTTCAGGTTGGACAGCTGGT-GCTGCAGCTTATTATGTGGGTATCT--TC							
Section 60											
HFRV- F (AB062274.1)	(5311)	5311	5320	5330	5340	5350	5360	5370	5380	5390	5400
SARS-CoV-2 (region 17170 - 29465)	(4797)	TGACAAAGCCTTTTACATTGTATGTGTCAAGAGAGAAAGATGGCAGTTGAGTT-----TTAACCC-----AAACT	(5205)	AACCTAGGACTTTTCTATTAAATATAATGAAATGGAAACCATTAAGATGCTGTAGACTGTGCACTTGACCCCTCTCTCAGAAACAAAGT							
Section 61											
HERV- E (AB062274.1)	(5401)	5401	5410	5420	5430	5440	5450	5460	5470	5480	5490
SARS-CoV-2 (region 17170 - 29465)	(4865)	GTGGGG-----CCCTGGCTGAGGCCGGTGGCCTATCTCTCTAAACAACTAGACGGGTTTGCTAAAGGATGGCCCCCAT-GTTTGAAGGC	(5295)	GTACGTTGAAATCCTTCACTGTAGAAAAAGGA--ATCTATC-AAACTTCTAAGTTTAGAGTCCAAACCAACAGAAATCTATTGTTAGATTTTC							
Section 62											
HERV- E (AB062274.1)	(5491)	5491	5500	5510	5520	5530	5540	5550	5560	5570	5580
SARS-CoV-2 (region 17170 - 29465)	(4948)	CT--TGGCAGCAACT---GCCCTGCTAGTACAGAG---A-----AGCAGATAACTGACTCTTTGGGCA--AACCTGAACATAAGGCC	(5382)	CTAATATTACAAACTTGTGCCCTTTTGTGAGTGAAGTTTTTAACGCCACAGATTTGCATCTGTTTATGCTTGGAACAGGAAGAGAAATCAGCA							
Section 63											
HFRV- F (AB062274.1)	(5581)	5581	5590	5600	5610	5620	5630	5640	5650	5660	5670
SARS-CoV-2 (region 17170 - 29465)	(5022)	CCCATGCTG-TGGTGACTTTAAAGGATATCTAAGGACATCATTAGCTAG---CGAATGCTA----GA--CTC--ACTAAGTACCA--AAG	(5472)	ACTGTGTGCTGATTATCTGTCTATAATAATTCGATCATTTTCCACTTTTAAGTGTATGGAAGTGTCTCCTACTAAATTAAATGATC							

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Section 64											
	(5671)	5671	5680	5690	5700	5710	5720	5730	5740	5750	5760
HERV- E (AB062274.1)	(5098)	TTTGCTCTGTGAAATC	CCCCGTATAAC	CACT-GAAGTTGTAA	CACCC	TGAA	CCCACT	ACCTTGCTCC	CGGT--ATC	---AGAGAGCC	C
SARS-CoV-2 (region 17170 - 29465)	(5562)	TCTGCTTTACTAA	TGTCATG	CAGATTCA	TTGTAA	TTAG--AGGTGA	TGAA	AGTCAGAC	AAATC	GCTCCAGG	GCAAACTGGAAAGATTGC
Section 65											
	(5761)	5761	5770	5780	5790	5800	5810	5820	5830	5840	5850
HERV- F (AB062274.1)	(5182)	TGTCAAGCATGAT	TGTGTAGAA	GT--ATTGGA	---CTCAGTT	TACTCTAGCA	AGACCTG	ACC-TCTGG	GACC-AGCC	TTGGGCAT	CAGTA
SARS-CoV-2 (region 17170 - 29465)	(5650)	TGATTATAATTAT	AAATATACC	AGATGATT	TTTACAGG	CTGC	GTTATAGCT	TGGAATTCTA	ACAACTCT	TGATTCTA	AGGTTGGTGGTAAATTA
Section 66											
	(5851)	5851	5860	5870	5880	5890	5900	5910	5920	5930	5940
HERV- E (AB062274.1)	(5264)	GACTGGGAAC	TATACGTG	GATTGGAGC	AGCTTCATC	--AA-CC	CACAAG	GAGAGA	GATTTGCA	AGG-----TG	TGCGGT-GGTA--ACCC
SARS-CoV-2 (region 17170 - 29465)	(5740)	TAAATTACCTG	TATAGATTG	TTTAG-GA	AGTCTAATCT	CAAA	ACCTTTTGAGAGAGA	TATTTCA	ACTGAAATC	TATCAGGCC	GGTAGCAC
Section 67											
	(5941)	5941	5950	5960	5970	5980	5990	6000	6010	6020	6030
HERV- F (AB062274.1)	(5343)	TGGGCAC	TGTGTTGAAG	CCAGAT	CGTTGCC	CAGGGCACT	TCA	GCACAGAA	AGCTG--AACT	CATTGCTTTTCA	TTCAGGCCTTAGAACT
SARS-CoV-2 (region 17170 - 29465)	(5829)	CTTGTAATG	TGTGAAG	GTTT-TAA	TTGTTACTTTC	CTTTACA	ATC-ATATG	TTTCCAAC	CCACTAAT	TGGTGTTGGTTA	CCAACCAATA
Section 68											
	(6031)	6031	6040	6050	6060	6070	6080	6090	6100	6110	6120
HERV- E (AB062274.1)	(5431)	CAGTGAAGG	TAAGACTG	TC-----AAC	ATTTACAC	TGACTCTCG	GGTATGCC	TTTTAA	ACCCTTC	AAGTGCAT	TGGAAGCATTATATAAA
SARS-CoV-2 (region 17170 - 29465)	(5917)	CAGAGTAG	-TAGTACTT	CTTTTTGAACT	TCTACATG	-CAGCAG	CAACTGT	TTGTGG	ACCTAAA	AAGTCTACTA	AATTTGGTTAAAAACAA
Section 69											
	(6121)	6121	6130	6140	6150	6160	6170	6180	6190	6200	6210
HERV- E (AB062274.1)	(5516)	AAGCGCCTATTG	-AACT---CTGG	GGGAAAGG	ACATA	AAAATA	TC-----AACAA	GAAATC-----TTG	CAAATTATT----AG		
SARS-CoV-2 (region 17170 - 29465)	(6004)	ATGTGTCAATTTC	AACTTCAA	TGGTTTAA	CAGGCA	AGGTGTTC	TTACTGAGTCT	AACAAAG	AGTTTCTGCCT	TTCAA	CAATT
Section 70											
	(6211)	6211	6220	6230	6240	6250	6260	6270	6280	6290	6300
HERV- F (AB062274.1)	(5580)	AAGCAGTATG	GAAAC	CACAC	AAGGTG	GCCGT	TATGCA	TTG-CAGAG	GACCCAGC	GAGC	TTCCACCTTG
SARS-CoV-2 (region 17170 - 29465)	(6094)	AGACATTGCT	GACACT	ACTGAT	GCTGT	CCGTGAT	CCACAG	ACACTT	GAGATTCTT	GACATTA	CACCATGTTCTTTGGTGGTGTTCAGTGT

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		Section 71																																										
		(6301)	6301	6310	6320	6330	6340	6350	6360	6370	6380	6390																																
SARS-CoV-2 (region 17170 - 29465)	HERV- E (AB062274.1)	(5669)	GC	TGAC	TTAG	AGG	CT	CGAA	-----	AA	G	CAG	CAT	T	CTG	CC	CCT	T	TC	GG	GCA	T	CA	GT	--	CAC	AG	CAC	-	CC	CT	G	C	T	C	--	CT	CA	AG	GC				
		(6184)	TAT	TAC	ACC	-	AGG	AA	CAAA	TACT	TCT	AA	C	CAG	GT	T	G	CTG	TT	CTT	TAT	CA	GG	AT	G	T	TA	ACT	G	CAC	AG	A	GT	CC	CT	G	T	G	C	TAT	TCA	T	GC	AG
		Section 72																																										
		(6391)	6391	6400	6410	6420	6430	6440	6450	6460	6470	6480																																
SARS-CoV-2 (region 17170 - 29465)	HFRV- F (AB062274.1)	(5745)	C	TG	AT	CTT	TTA	CCT	ACTT	-----	ATT	CTA	AA	AG	AAG	AA	G	AC	TTT	C	-----	T	C	CAG	GC	-----	AG	AG	G	GA	G	ACA	AG	T	G	A								
		(6273)	A	T	CA	CTT	ACT	CCT	ACTT	GGCG	TGTTT	ATT	CTA	C	AG	GT	TCT	AA	T	TTT	C	AAAC	ACG	T	G	CAG	GC	TG	TTT	AAT	AG	GG	C	T	G	A	CA	T	GT	CA				
		Section 73																																										
		(6481)	6481	6490	6500	6510	6520	6530	6540	6550	6560	6570																																
SARS-CoV-2 (region 17170 - 29465)	HERV- E (AB062274.1)	(5811)	TGG	AGGA	AGG	ATG	GAT	T	CGGT	TACC	AGA	TGG	GAG	AG	AAG	C	T	TGC	CAC	AG	C	T	GCT	AG	GAG	CC	GC	--	AG	TT	G	T	G	CT	G	G	C	T	G	CA	--	TA	--	
		(6363)	ACA	A	CTC	A	TAT	GA	G	TG	TGACA	TACC	CAT	TGG	TGC	AG	GTA	-	TAT	TGC	GCT	AG	T	ATC	AG	ACT	CAG	ACT	A	ATT	T	C	CT	C	G	GC	GG	GCA	CG	TA	GT			
		Section 74																																										
		(6571)	6571	6580	6590	6600	6610	6620	6630	6640	6650	6660																																
SARS-CoV-2 (region 17170 - 29465)	HFRV- F (AB062274.1)	(5895)	-----	AAA	C	AC	CCAT	C	TAG	GCC	AGG	A	-----	GTC	ACTT	-----	GAAAA	-----	GTT	G	TTAG	TC	CGG	TATT	TCTA	-----	CAT	-----	CTT	G														
		(6452)	G	TAG	C	T	AGT	CAAT	CCAT	C	ATT	GCC	TAC	A	CTAT	GTC	ACTT	G	GTG	CA	GAAAA	TTCA	GTT	G	TTAC	TC	TAA	TAAC	TCTA	TTGC	CAT	ACC	C	ACA										
		Section 75																																										
		(6661)	6661	6670	6680	6690	6700	6710	6720	6730	6740	6750																																
SARS-CoV-2 (region 17170 - 29465)	HERV- E (AB062274.1)	(5957)	C	ATTT	GT	CAG	CCCT	TGCC	AAA	AC	G	TG	AC	G	C	GG	TGT	GT	TACC	TG	CCAA	AG	CAT	A	TGC	GAA	--	G	CA	AG	T	C	CA	GC	TGT	TCC	GCC							
		(6542)	A	ATTT	TAC	TATTAG	TGTT	ACC	AC	AGAA	ATT	CTAC	CA	GTGT	CTA	---	TG	ACCA	AG	CAT	C	AGTA	GAT	TGTA	CAAT	GT	CA	ATT	TGT	G	----													
		Section 76																																										
		(6751)	6751	6760	6770	6780	6790	6800	6810	6820	6830	6840																																
SARS-CoV-2 (region 17170 - 29465)	HERV- E (AB062274.1)	(6043)	C	GT	CAT	CAA	GCTT	ATG	G	AGCA	GC	CCCC	T	-	TTG	-	AA	GAT	GC	CAG	GT	GGAC	TT	CACA	GAG	AT	G	CC	AA	AG	T	G	TGG	AG	GT	AA	C	AG	T	ATTTA				
		(6624)	-	GT	GAT	CAA	CTGA	ATGC	AGCA	AT	CTTT	TG	TTG	CA	AT	ATG	GG	-	AG	TT	TTT	TG	TAC	CACA	ATT	AAA	CC	GT	GC	T	TT	AACT	GG	AA	T	AGC	T	GT	TTA					
		Section 77																																										
		(6841)	6841	6850	6860	6870	6880	6890	6900	6910	6920	6930																																
SARS-CoV-2 (region 17170 - 29465)	HFRV- F (AB062274.1)	(6131)	-	CTAG	-----	-	TT	C	TTGTGT	GT	ACC	T	ACT	C	TG	GT	GGT	TGA	AGG	C	-	-	TAT	C	AG	CAC	AAA	CT	G	AG	AA	AGC	T	C	TG	GA	AG	T	AA	CC	T	GT	GT	
		(6712)	A	CA	AG	AC	AAAA	AC	CA	AG	AA	GT	TTTT	TG	CA	CA	AG	GT	CAA	ACA	AA	ATT	T	ACA	AAA	CAC	CAC	CA	ATT	TAA	AG	ATTT	TG	TG	TG	TTT	T	TA	ATTT	TTT	C			

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Section 78																																							
	(6931)	6931	6940	6950	6960	6970	6980	6990	7000	7010	7020																												
HERV- E (AB062274.1)	(6210)	GC---	TTCTTC	GGAGATCC	T---	ATTCC	TAG-ATTT	GGACTG	CCCTT	ACGGATC	GGCTCA--GAT	AATGGGCAGCATTT	GTGGCTG	ACTT																									
SARS-CoV-2 (region 17170 - 29465)	(6802)	ACAAA	TATTAC	CAGATCC	ATCA	AAACCA	AGCAAGA	GGTCA	ATTTA	TTGAA	GATCTTTTCA	ACAAAGTGACA	CTTGCA	GATGCTGGCTT																									
Section 79																																							
	(7021)	7021	7030	7040	7050	7060	7070	7080	7090	7100	7110																												
HERV- F (AB062274.1)	(6291)	GGT-AC	AGAAAG	AGGGCA	AAGGTA	TTGGG	GAACAC	ATGG	AAACTGC	ATGCTG	CTTACCG	GCCTCAG	AGTTC	CCAGAAAGG	TGGAGT	CGATGA																							
SARS-CoV-2 (region 17170 - 29465)	(6892)	CATCA	AAACAA	TATGGTGA	ATTGCC	TTGGTGA	T---	ATTG	CTGCT	AGAGAC	CTCAT	TTGTGC	ACAAAGTT	TAAACGGCCT	TACTGT	TTTGCC																							
Section 80																																							
	(7111)	7111	7120	7130	7140	7150	7160	7170	7180	7190	7200																												
HERV- E (AB062274.1)	(6380)	A---	TTGGAC	---TAT	CAAA	A-AT	AGCTTA	AGGGA	AAAGT	ATGTCAG	GAACA	GGATT	TAAAT	GGA	TACAGG	CTCTC	CCTAT	TGGT	ATTAT	T																			
SARS-CoV-2 (region 17170 - 29465)	(6979)	ACCT	TTGCT	CACAG	ATGAAA	TGAT	TGCTCA	ATAC	ACTTC	TGCACT	GTTAG	CGGT	-ACA	AATCAC	TTCTGG	TGGACCT	TGGT	GCAGG	T																				
Section 81																																							
	(7201)	7201	7210	7220	7230	7240	7250	7260	7270	7280	7290																												
HERV- F (AB062274.1)	(6463)	AAA-	ATTAG	ATGTACC	CCCTT	-CTA	AAAGAA	CAGGAT	TAT	TCCCC	TATG	AAAT	ATT	-GT	AT	CATAG	---	GCC	CCCT	CCC	AT	ATTGC	A---	G															
SARS-CoV-2 (region 17170 - 29465)	(7068)	CTGC	ATTAC	AAATACC	ATTT	GCTA	TGCA	AAATGG	CTTAT	AGGTT	TATG	GTAT	TGGA	GT	TACA	AG	AATGTT	CTCT	ATGA	AA	ACCA	AA	AAAT																
Section 82																																							
	(7291)	7291	7300	7310	7320	7330	7340	7350	7360	7370	7380																												
HERV- E (AB062274.1)	(6544)	G	GACT	TTCCA	GGCA	CTCCCC	GAG	TTA--	GGT	GAAATT	GA	-GTT	AC	GCGA	CAAC	TACAG	----	GCT	TTT	AGG	AAAA	TTT	AC	AA	ACAA														
SARS-CoV-2 (region 17170 - 29465)	(7158)	T	GAT	TGCCA	ACCA	ATTTAAT	AGT	GCTA	TTGG	CAAAATT	CA	AGACT	CACTTT	CTT	CACAG	CAAGT	GCAC	TTGG	AAAA	CTT	CA	AG	AT	TGTG															
Section 83																																							
	(7381)	7381	7390	7400	7410	7420	7430	7440	7450	7460	7470																												
HERV- E (AB062274.1)	(6626)	TCT--	CAGCC	TGGGT	AA--	TGAG	AGAT	GC	CCTGT	TAG	CTTAT	TTCT	CC	CCAG	TT--	-CA	CCC	TTTC	TCCCC	AGG	TAA	TC	GAG	TGT	TGGAT	T													
SARS-CoV-2 (region 17170 - 29465)	(7248)	TC	AAC	CAAAA	TGCAC	AA	GCTT	TA	AA	CA	CG	TTGT	TA	AA	CA	ACT	TTAG	CT	CCA	ATT	TTGG	TG	CAA	TTTC	AAGT	GTTT	TAA	AT	GAT	ATC	CTT	T							
Section 84																																							
	(7471)	7471	7480	7490	7500	7510	7520	7530	7540	7550	7560																												
HERV- F (AB062274.1)	(6708)	CA	AG	GACT	TGG	-AA	CGT	AACT	CTTT	-GT	GC	CA	C	-GGT	GG	AAAG	AC	CGT	AGT	CTGT	CG	TC	CTG	A	CCACT	CCC	AC	CGC	TGT	G	A	AGGT	AG	AG					
SARS-CoV-2 (region 17170 - 29465)	(7338)	CAC	G	TCT	TG	AC	AA	AGT	TG	AGG	CT	GAA	GTG	C	AA	ATT	GAT	AG	GTT	GAT	CAC	AG	G	CAG	ACT	TC	AA	-AG	TTT	G	CAG	AC	ATA	TGT	G	ACT	CA	CA	AA

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Section 92																
	(8191)	8191	8200	8210	8220	8230	8240	8250	8260	8270 8280						
HERV- E (AB062274.1)	(7389)	TGGTTCCTCTA	ACTGGGAAAGGA	GCTACAGAGTAG	AAAAATAAA	TATGT	TTGTCTATG	AGTCAGGGG	GATTGTG	TGAAAA	TTGTGCCTTTTGGCC					
SARS-CoV-2 (region 17170 - 29465)	(8046)	TAGGTTTATA	TAGCTGGC	TTGATTGC	CATAGTAAT	GTGACAA	TATGCTT	TGC-TGTAT	TGACCA	GTTGCTGTAG	TTGTCTCAAGGC					
Section 93																
	(8281)	8281	8290	8300	8310	8320	8330	8340	8350	8360 8370						
HFRV- F (AB062274.1)	(7479)	ATGTGTTTATTT	TGGGCTACT	--TGGAAA	AAGAAACA	AAAGAC	CCGGTT	CATCTTC	CAGAA	GGGGGAAG	CCAA	CCCTTCTGTG	CTGCTGC	CGGT		
SARS-CoV-2 (region 17170 - 29465)	(8132)	TGTGTTCTTT	TGTGGATC	CTGCTGC	TGCAAA	TTTGA	TGAAGAC	GACTCTG	AGCAGT	GCTCAAA	AGG---AGT	CAAA--TTAC	CATTACA	--CATA		
Section 94																
	(8371)	8371	8380	8390	8400	8410	8420	8430	8440	8450 8460						
HERV- E (AB062274.1)	(7567)	CACGTGAAC	CCACTAGAAC	TAAATAAT	TACCAATC	CCCTAGAT	CCCCATTAG	AAAAAG	GGAG-AAC	GTGTAA	CCCTGG	GGATCGAT	TGGGAC	C		
SARS-CoV-2 (region 17170 - 29465)	(8215)	AACG--AAC	TTA-TG	GATTGTT	TATGAG-A	AATCTT	CACAAT	TGGA	ACTGTAA	CTTTGA	AGCAAG	GTGA	AAATCA	AGGATGCTACTCCTTC		
Section 95																
	(8461)	8461	8470	8480	8490	8500	8510	8520	8530	8540 8550						
HFRV- F (AB062274.1)	(7656)	GGGGTTAAAC	CCCAAGT	TGCCATTT	TAATTAG	AGGGGAGGT	CCACAAG	CGCTCTCC	AAGCCAG	TATTTCA	AACTTTT	ATGAGGA	GCT			
SARS-CoV-2 (region 17170 - 29465)	(8301)	AGATTTTGTT	CGGCTAC	TGCAACGA	TACCGAT	ACAAG	----CCT	CACTCCTT	TTCGGAT	GGCT-TATT	GTTGGC	GTTGC	ACTTCTT	GCT		
Section 96																
	(8551)	8551	8560	8570	8580	8590	8600	8610	8620	8630 8640						
HERV- E (AB062274.1)	(7746)	GAACTCTGCC	AGCAC	CAG-AACT	TCGAA	AAAGAC	AAAAA	ATTGTTT	ATCAAT	CAGCAGAA	AAATGTAG	CTCAT	TCCCTTAA	TGTTACTT		
SARS-CoV-2 (region 17170 - 29465)	(8386)	GTTTTTTCAG	AGCGCTTCC	AAAA	TCATAA	CCCTCA	AAAA	GAGATG	GCAA--CTAG	CACTCTCC	AAGGGT	GTTCACT	TTTGTT--TGCA	ACTT		
Section 97																
	(8641)	8641	8650	8660	8670	8680	8690	8700	8710	8720 8730						
HERV- E (AB062274.1)	(7835)	CTTGTTAT	-GTATG	---CGGGGA	---ACCA	CTATCG	---GAGAC	CGATGGC	CTTGG	AAAGCCC	GAGAGT	TGGTG	CTTACT	TGATCCAG	--	
SARS-CoV-2 (region 17170 - 29465)	(8472)	GC	TGTTGTTGTT	TGTGTAAC	CAGTTT	ACTCAC	ACCTTT	TGCTCTG	TTGCTG	CTGGCCTTG	--AAGCCC	CTTTTCT	TCTATCT	TATGCTTT	AGTC	
Section 98																
	(8731)	8731	8740	8750	8760	8770	8780	8790	8800	8810 8820						
HFRV- F (AB062274.1)	(7913)	--CTCCTG	ATGTAA	TCCAGT	TCAAGAG	CCCCAA	GCTAG	CAA	CTT-----CTGG	-----GTCT	CTAAAA	AACC--TCA	ATTAT	TGGA		
SARS-CoV-2 (region 17170 - 29465)	(8560)	TA	CTTCTTG	CAGAGTATA	AAC	TTTGTA	AGAA	TAATG	AGGCTT	TGGCTTTG	CTGGAA	ATGCC	GTTC	AAAA	AACC	CATTACTTTATGAT

SARS-CoV-2 & HERV- E.apr

Section 99												
HERV- E (AB062274.1)	(8821)	8821	8830	8840	8850	8860	8870	8880	8890	8900	8910	
SARS-CoV-2 (region 17170 - 29465)	(7984)	CAAT	ACTGTATAGCTAGAGAA	GGGAAAGTCTTTATCATCC	CTGTAAGAAAGCTTA	--ATTGTATAGGA	CAGAAAGTTGT	ACAACAGCA	C			
	(8650)	GCCA	ACTATTTTCTTTGCT--	GGCATAC	TAAATTGTACGA	CTATTGTATACCTTA	CAATAGTGTA	ACTTCTTC	AATTGT	CATT	ACTTCAG	
Section 100												
HFRV- F (AB062274.1)	(8911)	8911	8920	8930	8940	8950	8960	8970	8980	8990	9000	
SARS-CoV-2 (region 17170 - 29465)	(8070)	AACA	----AAGACAA	TACTTGGTGGGGCTAA	ACCACACTGA	AAAGAACCCATTTAGT	AAATTT---	TCTAAAT	TAAAA	ACTGCC	TG	
	(8738)	GTGA	TGGCACAACAA	GTCCTATTCTCAAC	ATGACTAC-	CAGATTGTGGTT	ATACTGAAAA	TGGGAA	TCTGGA	GTAAGA	ACTGTGT	
Section 101												
HERV- E (AB062274.1)	(9001)	9001	9010	9020	9030	9040	9050	9060	9070	9080	9090	
SARS-CoV-2 (region 17170 - 29465)	(8151)	GGCT	CATCAGAAATCTCA	TCAAGGACTGGGC	AGCTCCCGCTG	GAATATGTTGGGC	CACGAGC	CTACAT	TCG----	GTTACCT		
	(8827)	GTAT	TACA	CAGTTA	CT--TCACTT	CAGACTATTACC	AGCTGTACTCA	ACTCAAT---	TGAGTACAGACA	CTGGTG	TGAACATGTTACCT	
Section 102												
HFRV- F (AB062274.1)	(9091)	9091	9100	9110	9120	9130	9140	9150	9160	9170	9180	
SARS-CoV-2 (region 17170 - 29465)	(8236)	AA	TAAATGGG	CAGGCAGT	TGTGTAT	TGGCACTATTAA	GCCGTCC	TTTTTTC	TTATTAC	CATA	AAAAACGGGTGAGCTCC	TAGGTTTCCCT
	(8912)	TC	TTCATCTA	CAATAAA	TGTGTGATGA	GCCTGAAGAA	CATGTCC	AAAATTC	-----ACACA-	ATCGACGGT	TCA--TCCGGA	GTT-----
Section 103												
HERV- E (AB062274.1)	(9181)	9181	9190	9200	9210	9220	9230	9240	9250	9260	9270	
SARS-CoV-2 (region 17170 - 29465)	(8326)	GTCT	ATGCTCCC	AAAGAGG	CATAGTTAT	AGGAAAC	TGGAAAGATA	ATGAGTGGC	CCCTGAAAG	-----GATCA-	TACAGTATT	
	(8989)	GTTA	ATCCAGT--	AA	TGGAACCA-	ATTTATGATGA	ACCGACGAC	CACTACTAG	CGTGCC	TTTGTAA	GCACAAAGCTGATGA	GTACGAAC
Section 104												
HERV- E (AB062274.1)	(9271)	9271	9280	9290	9300	9310	9320	9330	9340	9350	9360	
SARS-CoV-2 (region 17170 - 29465)	(8406)	ATGGG	C-CTGC	CGCAT	TGGCACA	AGACAGCTCAT	GGGATACTGAAT	CCCATCTACAT	GCTCAAT	CAGA--TCA	TATGGTTGCAG	GCC
	(9076)	ATGTAC	CTCATT	CGTTTC	GGAA	GA-GACAGGT	-ACGTTA	ATAGTTAAT	AGCGTACT	CTCTTTTCT	TTGCTTTTCG	TGGTATTC
Section 105												
HFRV- F (AB062274.1)	(9361)	9361	9370	9380	9390	9400	9410	9420	9430	9440	9450	
SARS-CoV-2 (region 17170 - 29465)	(8493)	TCT	TAGAAATAA	TTACTAAT	GAAA	CTTTGACT	GTGTTTAG	CTTG	GCAAGAA	AC---CC	AAATGAG	GAA
	(9164)	CAC	TAGCCATCC	TTACTGCG---	CTTCGAT	TGTGTGCG	TACTGCTG	CAATATTG	TTAACG	TGAGTCT	TGTAA	AAACCTTC

SARS-CoV-2 & HERV- E.apr

Section 106																					
	(9451)	9451	9460	9470	9480	9490	9500	9510	9520	9530	9540										
HERV- E (AB062274.1)	(8578)	GGCCTTGGACTACTTGC	TAGCAGCTGAAGGAGGAGTTTG	TGA	AAAATTTAACTTAACTAGTTGCTGCC	TACAAA	TAGATGATC	AAGGACA													
SARS-CoV-2 (region 17170 - 29465)	(9250)	TACCTCTGCTGTAAAACTGAATCTTCTAGAGTTCC	TGATCTTCTTGGTCTAACTGAACTAAATAT	TATAT	TAGTTTTC	TGTTT															
Section 107																					
	(9541)	9541	9550	9560	9570	9580	9590	9600	9610	9620	9630										
HFRV- F (AB062274.1)	(8668)	GGTGGTTGAAAACA	TAGTCAGGGACATGACAAAGGTGGC	ACATGTGTCTGTACAGTTTGGC	ACGAGTTTGATCTG	AGTCTTTCTTTG															
SARS-CoV-2 (region 17170 - 29465)	(9336)	GGAACTTTAAATTT	TAGCCATGGCAGATTC	CAACGGTACTATTACC	GT	TGAAGAGCTTAAAA	AGCTCC	TTGAAC	---	AA	TGGAACTTAG										
Section 108																					
	(9631)	9631	9640	9650	9660	9670	9680	9690	9700	9710	9720										
HERV- E (AB062274.1)	(8757)	GAAATGGTTTCCAGCTAC	--AGGAGGATTAAAAACCTCATTGTAGGTGT	TAGTGCTAGT	AATAGGAAC	TTGCTTGC	TGCTCCCC	TGTGT													
SARS-CoV-2 (region 17170 - 29465)	(9421)	TAAATA	GGTTTCC	TATTCCTTACATGGATT	TGTCTTCTACA	ATT	TGCC	TATGCCAAC	AGGAATAGG	TTT	TTGTATA	TAA	TAAAGTAAAT								
Section 109																					
	(9721)	9721	9730	9740	9750	9760	9770	9780	9790	9800	9810										
HFRV- F (AB062274.1)	(8845)	ATTACCTT	GCTTTT	---CAAATGA	---TAAAA	TGTTTTGT	TGCTACTTTTG	GTTTATCA	AAAAAC	TTT	CAGCACAC	GTGT	A	---	TAT						
SARS-CoV-2 (region 17170 - 29465)	(9509)	T	TTCTCTGCTG	TTATGG	CAAGTAACTT	TAGCT	TGTTTTGT	GCT	TGCT	GCT	GTTT	ACAG	AA	AA	TTGGAT	CACCG	GTGGA	ATTGC	TAT		
Section 110																					
	(9811)	9811	9820	9830	9840	9850	9860	9870	9880	9890	9900										
HERV- E (AB062274.1)	(8924)	ATGAATCACTA	TC-----	GCTCTATCT	CGCAAAGAGACT	-----	CAGAAAGT	---	GAGGATGAG	---	AGTGAGAACT										
SARS-CoV-2 (region 17170 - 29465)	(9599)	CGCAATGGCTTG	TC	TTGTAG	GCTTGATGT	GGCTCAGCTACT	TCATTGCTTCTTT	CAGACTGT	TTGC	GCTACGCTTCCAT	GTGGTCA	T									
Section 111																					
	(9901)	9901	9910	9920	9930	9940	9950	9960	9970	9980	9990										
HERV- E (AB062274.1)	(8985)	CCCACT	AAAAAGTG	AAAA--	TTCTCAAAG	GGGGGAAT	ATGGTAC	GA---	GACCA--	CACTTCTCC	---	TGTTG	TC	T	---	TC	CCAGT				
SARS-CoV-2 (region 17170 - 29465)	(9689)	CAAT	CCAG	AAAC	TAC	ATTCTTCTCAA	CGTCCACTCC	ATGGCAC	TATTCT	GACCA	GACCG	CTTCTAG	AAAG	TGAAC	TCG	TAA	TCGGAGC				
Section 112																					
	(9991)	9991	10000	10010	10020	10030	10040	10050	10060	10070	10080										
HFRV- F (AB062274.1)	(9061)	TTCTCC	CCAACT	CCCC	CTTTCC	CTAGT	TTATAAG	ACAG--	GAGAAAGG	GAGAAAG	CAAAAAGT	TGG--	AAAGAAA	CAGAA	GAAA	GATA					
SARS-CoV-2 (region 17170 - 29465)	(9779)	TGTGAT	CC	TT	CG	TGGACAT	CTTCTG	TAT	TGCTGGAC	CAC	CATCTAGG	ACGCTGT	GACAT	CAAGG	ACC	TGCCT	AAAGAAA	TC	ACT	GTT	GCTA

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SARS-CoV-2 & HERV- E.apr

Section 120													
	(10711)	10711	10720	10730	10740	10750	10760	10770	10780	10790	10800		
HERV- E (AB062274.1) (9680)		CAGCATGGGAGT	GAGACT	CCTCAGG	CATCAG	GCCCGGTGG	ATCATT	TAGATAACT	GCAGATCT	TGCAGCC	TCTGATGGTAT	CCGATGTGA	
SARS-CoV-2 (region 17170 - 29465) (10495)		GAGGAAGTTCAA	GA-ACT--	TACTCTC	CAATTTTCTT	ATTGTTGC	GCAATAGTGTT	TATAACA	CTTGCTTCAC	ACTCAAAGAA	A		
Section 121													
	(10801)	10801	10810	10820	10830	10840	10850	10860	10870	10880	10890		
HFRV- F (AB062274.1) (9770)		GACTCAAA	GCGA	GAAC	TGAGGTGAGC	GCTTCCTGGT	CCTGACC	CACAACAT	CATGAGTGAC	ATACAA	TGGTTGTTTG	AGGCTGCCAA	
SARS-CoV-2 (region 17170 - 29465) (10581)		GACAGAA	TGATT	GAAC	--TTCATTA	ATTGACTTCT	ATTGTTG---	CTTTT	TAGCTTTC	TGCTATTCT	TGTTTAA	TATGCTTATT	
Section 122													
	(10891)	10891	10900	10910	10920	10930	10940	10950	10960	10970	10980		
HERV- E (AB062274.1) (9860)		GT	TTT	AGGT	--AACTT	ATTATACAA	CATAGTAA	CCAGAGCACCT	AC-CCTCTC	CCTTCCCC	ACTTGCAC	T-----GGCTGG	
SARS-CoV-2 (region 17170 - 29465) (10666)		TC	TTT	TGGT	TCTC	ACTTGAAC	TGCAAGAT	CAATGAA	CTTGTC	ACGCT	AAAAGAA	CATGAA	TTTCTTGTTTCTTA
Section 123													
	(10981)	10981	10990	11000	11010	11020	11030	11040	11050	11060	11070		
HFRV- F (AB062274.1) (9940)		CAGATG	-AGGT	-CATGG	CAG-----	GCTGTCT	TACAGTC	CTGTCAATG	ACATAGATG	AGGGCAT	GGGGAAGCC	CAAAATGAGGAG	C-CT
SARS-CoV-2 (region 17170 - 29465) (10756)		CAAC	TGTAG	CTGCAT	TTCA	CCAAGAAT	GTAGT	TTACAGTC	ATGTACTCA	ACATCA	ACCATATGTA	GTTGATGACC	CGTGTCCCTATT
Section 124													
	(11071)	11071	11080	11090	11100	11110	11120	11130	11140	11150	11160		
HERV- E (AB062274.1) (10020)		GGGC	TTT	TGGATG	CCCTCGT	TGAGCAG	-AGAGGCC	AGCTCC	CAGATG	TCAC	TTGCATT	TCAGGT	--AAGAG-----AAA
SARS-CoV-2 (region 17170 - 29465) (10846)		TCTA	TTCTAA	ATG	GTA	TATTAGAG	TAGAG	CTAGAA	AAATC	AGCA	CCTTTAA	-TTGAATT	GTGCGTGGATGAGGCTGGTTCTAAATCA
Section 125													
	(11161)	11161	11170	11180	11190	11200	11210	11220	11230	11240	11250		
HERV- E (AB062274.1) (10102)		-TTC	TGTTTAA	-GTC	ACTGT	TAATTCTA	CTGTTT--	TTTAA	GC	CAAATCAAT	ATCC	TAGTAATAT	CATATAT--GTAAAC
SARS-CoV-2 (region 17170 - 29465) (10935)		A	TTCA	GTAC	ATC	GATATC	GGTAATTATA	-CAGTTT	CCGTGTT	TACCTTTTA	CAATTAAT	TGCCAGGA	ACC
Section 126													
	(11251)	11251	11260	11270	11280	11290	11300	11310	11320	11330	11340		
HFRV- F (AB062274.1) (10186)		T	CAGA	GTCTAG	CACATA	AA	TAGTGC	TTTTT	TGAAA	AGGTAA	TTAT	TGCTATT	TATTAAT
SARS-CoV-2 (region 17170 - 29465) (11024)		G	CGTT	GTTC	GTCT	ATGAA	GA	CTTT	-TTAGAG	TATCAT	GACGTT	CGTGT	TGTTT

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											Section 127																											
	(11341)	11341	11350	11360	11370	11380	11390	11400	11410	11420	11430																											
HERV- E (AB062274.1) (10275)	ATTAT	T-ACCC	TAAA	CTGCT	CAACA	CTCTT	CAAAATGA	ACATGA	GGTGGACCC	----	ATGTC	ACTGATG	GTCA	ATG	AGACAT	GACAA	----																					
SARS-CoV-2 (region 17170 - 29465) (11112)	ATAAT	GGACCC	AAAA	ATCAG	CGAA	ATGCAC	CCGCATT	ACGTTT	GGTGGACCC	TCAG	ATTCA	ACTGGCA	GT-AA	CC	AGA	ATG	GAGAA	CGC																				
											Section 128																											
	(11431)	11431	11440	11450	11460	11470	11480	11490	11500	11510	11520																											
HFRV- F (AB062274.1) (10357)	-GCT	GGGC	-----	AAA	AATT	GTC	TGTGGTCA	ATGCC	TA---AT	T	CATAC	CAG	GTCT	CTC	TTC	---	CA	TCCAC	CT	TAA	AC	TG	ACT	AC	---													
SARS-CoV-2 (region 17170 - 29465) (11201)	AGTG	GGGC	GCGATCA	AAAC	AAC	GTC	GGCCCCA	AGTT	TACCC	AA	T	ATAC	TGC	GTCT	TGG	TTC	ACCGC	TCTCA	CT	AA	CA	TGG	CA	AGGAA														
											Section 129																											
	(11521)	11521	11530	11540	11550	11560	11570	11580	11590	11600	11610																											
HERV- E (AB062274.1) (10430)	-AGCT	----	C	TCCC	AGG	CA	GAC	CA	ATA	GATA	-AGGG	AT	CAC	AGA	CA	CC	CAG	CG	CA	CA	-GAC	ACA	T	CCTC	C	ACT	C	CC	AC	----	C	----	CACA					
SARS-CoV-2 (region 17170 - 29465) (11291)	GACT	TAAAT	TCCC	TC	GAG	GACA	AGGC	GT	TCC	A	TT	AA	CAC	CA	AT	AG	CAG	TC	CAG	AT	GAC	CA	AA	T	TGG	CT	ACT	ACC	G	A	GAG	CTAC	CAGA					
											Section 130																											
	(11611)	11611	11620	11630	11640	11650	11660	11670	11680	11690	11700																											
HFRV- F (AB062274.1) (10507)	CAGTGAGC	TGAAG	CTCCG	GGTA	GCC	ACT	GTAT	GCTG	CCA	-TCC	CA	CC	TG	TCC	TATC	G	-CAGGAG	AGA	AGACA	GGC	AGC	AAAA	TGG	GAT	TGG													
SARS-CoV-2 (region 17170 - 29465) (11381)	CGAATT	TCG	TG	GT	GT	GAC	GGTA	AA--	A	TGA	AA	GA	TCT	CAG	TCC	AA	AG	TG	GTAT	TT	TC	TAC	TAC	CT	AG	GA	ACT	G	GGC	CAG	AA	GC	TGG	ACT	TC			
											Section 131																											
	(11701)	11701	11710	11720	11730	11740	11750	11760	11770	11780	11790																											
HERV- E (AB062274.1) (10595)	AAAG	TGG	GT	CTAA	GATA	-AT	GAGT	GGGG	AGA	GG	GA	GC	CA	GA	GA	AACTAA	CT	CCA	----	T	CC	CA	GG	AA	ATCA	GG	CA	AA	GGC	TT	CCG	GG	A	GGAG				
SARS-CoV-2 (region 17170 - 29465) (11469)	CCTA	TGG	TG	CTAA	CA	AG	AC	GGCAT	CAT	AT	G	GG	TT	GCA	ACT	GAG	GGGAGC	CT	TG	A	T	CA	CCA	AA	AG	ATCA	CATT	-GGC	AC	CCG	CA	AT	CCT					
											Section 132																											
	(11791)	11791	11800	11810	11820	11830	11840	11850	11860	11870	11880																											
HERV- E (AB062274.1) (10682)	GTG	ACCA	CT	-----	ATC	CTG	--	AGA	GTA	TCT	TC	CAGG	CTG	AA	GA	G	GG	AAA	G	GGCT	-CT	CT	GCA	AGC	AGGGA	-CAG	T	GGC	CT	GG	GCA	A						
SARS-CoV-2 (region 17170 - 29465) (11558)	GCT	AA	CA	AT	TG	CT	GCA	ATC	G	TG	CT	CA	AA	ACT	TC	CT	CA	AGG	AAC	AA	CATT	G	CC	AAA	G	GGCT	TT	CT	AC	GCA	-GA	AGGGA	G	CAG	AGG	GGCA	GT	CA
											Section 133																											
	(11881)	11881	11890	11900	11910	11920	11930	11940	11950	11960	11970																											
HFRV- F (AB062274.1) (10762)	AGG	CA	CAGAG	CAT	CAGAATC	CAC	ATAG	---	CA	GT	GAC	CTA	CAG	CT	G	CT	CT	T	CAG	CTT	CAC	C	CT	T	TCA	G	CT	CT	AC	CT	CC	AG	GG	AG	GC	TG		
SARS-CoV-2 (region 17170 - 29465) (11647)	AGC	CT	CTTCT	CGT	TCCTCAT	CAC	G	TAG	TCG	CA	ACAG	TTCA	GA	AA	TT	CA	CT	C	CAG	G--	CAG	CAG	TAGG	G	GA	ACT	TT	CT	CC	T	GCT	AG	AA	TG				

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												Section 134																				
	(11971)	11971	11980	11990	12000	12010	12020	12030	12040	12050	12060																					
HERV- E (AB062274.1) (10849)		GAGGGCAGCACA	GGGAGGGTG	-----GG--TG	TCAGA	GCCC	TGTGGCCCT	GGGACC	---TGT---	GTCC	AAGCAGGGAC																					
SARS-CoV-2 (region 17170 - 29465) (11735)		GCTGGCAATGGC	GGTGATGTG	CTCTTGCTTTGCT	GCTGTG	CTTGA	CAGAT	TGAA	CCAGCTTG	GAGC	AAAA	TGTCTGT	GTAA	AGGC	CAACA																	
												Section 135																				
	(12061)	12061	12070	12080	12090	12100	12110	12120	12130	12140	12150																					
HFRV- F (AB062274.1) (10919)		CTCTCTGC	--AGCTATGG	CAGAGTTA	---GCTTTA	GAGTCTTCT	-----CTTC	TTCC	AGAGC	CA--TGGA	ACT---	GCAAACAGT	ACT																			
SARS-CoV-2 (region 17170 - 29465) (11825)		CAA	CAAGGC	CAA	AACTGTCA	CTA	AGAA	A	TCT	GCT	GCT	GAGG	CTTCT	AAGAAG	C	TC	GG	CA	AAA	C	GTAC	TG	CC	ACT	AAA	GCA	TACA	T	GTA			
												Section 136																				
	(12151)	12151	12160	12170	12180	12190	12200	12210	12220	12230	12240																					
HERV- E (AB062274.1) (10993)		TCAA	AA	CC	TGATC	CAC	AC	AG	GG	ATGCCTG	CAGT	CTTCCT	GTCC	TTTT	C---	ACC	CTCTCTGGG	TCA	---	AAGG	CTT	TG	GCCT	CAAC	CT							
SARS-CoV-2 (region 17170 - 29465) (11915)		A	CA	AA	GCT	T	TCGG	CAG	AC	GT	GG	TCCAGAA	CA	AA	C	CAAG	G	AAA	TTTT	GGGG	ACC	AGGA	ACTAA	TCA	GAC	AAGG	AAC	TG	ATTA	CAA	CAT	
												Section 137																				
	(12241)	12241	12250	12260	12270	12280	12290	12300	12310	12320	12330																					
HFRV- F (AB062274.1) (11077)		GATT	CT	CCCC	TCAT	CTCC	TA	GCCCCG	TGC	A----	AGAT	TT	GGG	CAG	GTCT	TGCT	GAAC	TAGA	GGC	CCAG	GG	AGACATC	CC	ATAGAT	AC	AG						
SARS-CoV-2 (region 17170 - 29465) (12005)		TGGC	C	G	AAAT	TGCA	CAAT	T	GCCCCC	AGC	GCTTC	AG	CG	TT	CTT	CG	AATG	TCGC	G	CAT	T---	GGC	ATG	GA	AGT	CA	CA	CC	T	CGGG	A	-A
												Section 138																				
	(12331)	12331	12340	12350	12360	12370	12380	12390	12400	12410	12420																					
HERV- E (AB062274.1) (11163)		GAGGC	TG--CAT--	CTGGAG	CATC	CCATAG	-AT-ACA	G-GAGG	CTGA	AGGAAGG	AGACAT	AGG	C	TTTT	CCT	T	CCTG	AGGC	CCCAG	GAGG												
SARS-CoV-2 (region 17170 - 29465) (12091)		GT	GGT	TGAC	CTACA	CAGGT	GC	CATC	AAAT	TG	GAT	GACA	AA	GATC	CAAA	TTTCAA	AGA	TCA	AGT	C	TTTT	TGC	TGAAT	AAGC	ATATT	GAC	G					
												Section 139																				
	(12421)	12421	12430	12440	12450	12460	12470	12480	12490	12500	12510																					
HERV- E (AB062274.1) (11246)		AG	ACAA	GACA	----CA	AAGACA	CAGAC	---AGA	AGT	CTCA	GT	GAA	TAGA	GC	AGAG	G	CCCTGAG	AGC	TGGG	CA	GCC	AGAGA	GG	CAG	GA	AG						
SARS-CoV-2 (region 17170 - 29465) (12181)		AT	ACAA	AAACA	TTCC	CA	CCA	ACA	GAGC	CTAA	AA	AGG	AC	AA	GAA	G	AG	GCT	GAT	G	AAACTCA	AGC	CTTA	C	GC	-	AGAGA	CAG	AG	AA	C	
												Section 140																				
	(12511)	12511	12520	12538																												
HFRV- F (AB062274.1) (11329)		AG	TGC	AAT	TAG	GG	CAAT	CAAGG	CAAGCT	T																						
SARS-CoV-2 (region 17170 - 29465) (12270)		AG	CAA	AC	TGT	GAC	TCT	TCTTC	CT-	GCT	G																					