

SARS-CoV-2 & Hepatitis B.apr

		Section 1									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1)	1	10	20	30	40	50	60	70	80	94
	(1)	-----									
	(1)	ATTAAAGGTTTATACCTTCCCAGGTAACAAACCAACCAACTTTTCGATCTCTTGTAGATCTGTTCTCTAAACGAACTTTAAATCTGTGTGGCTG									
		Section 2									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(95)	95	100	110	120	130	140	150	160	170	188
	(1)	-----									
	(95)	TCACTCGGCTGCATGCTTAGTGCACTCACGCAGTATAATTAATAACTAATTACTGTCGTTGACAGGACACGAGTAACTCGTCTATCTTCTGCAG									
		Section 3									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(189)	189	200	210	220	230	240	250	260	270	282
	(1)	-----									
	(189)	GCTGCTTACGGTTTCGTCCGTGTTGCAGCCGATCATCAGCACATCTAGGTTTCGTCCGGGTGTGACCGAAAGGTAAGATGGAGAGCCTTGTCCC									
		Section 4									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(283)	283	290	300	310	320	330	340	350	360	376
	(1)	-----									
	(283)	TGGTTTCAACGAGAAAAACACACGTCCAACCTCAGTTTGCCTGTTTTACAGGTTTCGCGACGTGCTCGTACGTGGCTTTGGAGACTCCGTGGAGGAG									
		Section 5									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(377)	377	390	400	410	420	430	440	450	460	470
	(1)	-----									
	(377)	GTCTTATCAGAGGCACGTCAACATCTTAAAGATGGCACTTGTGGCTTAGTAGAAGTTGAAAAAGGCGTTTTGCCTCAACTTGAACAGCCCTATG									
		Section 6									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(471)	471	480	490	500	510	520	530	540	550	564
	(1)	-----									
	(471)	TGTTTCATCAAACGTTTCGGATGCTCGAACTGCACCTCATGGTCATGTTATGGTTGAGCTGGTAGCAGAACTCGAAGGCATTTCAGTACGGTCGTAG									
		Section 7									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(565)	565	570	580	590	600	610	620	630	640	658
	(1)	-----									
	(565)	TGGTGAGACACTTGGTGTCTTGTCCCTCATGTGGGCGAAATACCAGTGGCTTACCGCAAGGTTCTTCTTCGTAAGAACGGTAATAAAGGAGCT									

SARS-CoV-2 & Hepatitis B.apr

		Section 8									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(659)	659	670	680	690	700	710	720	730	740	752
	(1)	-----									
	(659)	GGTGGCCATAGTTACGGCGCCGATCTAAAGTCATTTGACTTAGGCGACGAGCTTGGCACTGATCCTTATGAAGATTTTCAAGAAAACCTGGAACA									
		Section 9									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(753)	753	760	770	780	790	800	810	820	830	846
	(1)	-----									
	(753)	CTAAACATAGCAGTGGTGTTACCCGTGAACTCATGCGTGAGCTTAACGGAGGGGCATACACTCGCTATGTCGATAACAACCTTCTGTGGCCCTGA									
		Section 10									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(847)	847	860	870	880	890	900	910	920	930	940
	(1)	-----									
	(847)	TGGCTACCCTCTTGAGTGCATTAAAGACCTTCTAGCACGTGCTGGTAAAGCTTCATGCACTTTGTCCGAACAACCTGGACTTTATTGACACTAAG									
		Section 11									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(941)	941	950	960	970	980	990	1000	1010	1020	1034
	(1)	-----									
	(941)	AGGGGTGTATACTGCTGCCGTGAACATGAGCATGAAATTGCTTGGTACACGGAACGTTCTGAAAAGAGCTATGAATTGCAGACACCTTTTGAAA									
		Section 12									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1035)	1035	1040	1050	1060	1070	1080	1090	1100	1110	1128
	(1)	-----									
	(1035)	TTAAATTGGCAAAGAAATTTGACACCTTCAATGGGGAATGTCCAAATTTTGTATTTCCCTTAAATTCCATAATCAAGACTATTCAACCAAGGGT									
		Section 13									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1129)	1129	1140	1150	1160	1170	1180	1190	1200	1210	1222
	(1)	-----									
	(1129)	TGAAAAGAAAAAGCTTGATGGCTTTATGGGTAGAATTCGATCTGTCTATCCAGTTGCGTCACCAAATGAATGCAACCAAATGTGCCTTTCAACT									
		Section 14									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1223)	1223	1230	1240	1250	1260	1270	1280	1290	1300	1316
	(1)	-----									
	(1223)	CTCATGAAGTGTGATCATTGTGGTGAACTTCATGGCAGACGGGCGATTTTGTAAAGCCACTTGCGAATTTTGTGGCACTGAGAATTTGACTA									

SARS-CoV-2 & Hepatitis B.apr

		Section 15									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1317)	1317	1330	1340	1350	1360	1370	1380	1390	1400	1410
	(1)	-----									
	(1317)	AAGAAGGTGCCACTACTTGTGGTTACTTACCCCAAATGCTGTTGTTAAAATTTATTGTCCAGCATGTCACAATTCAGAAGTAGGACCTGAGCA									
		Section 16									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1411)	1411	1420	1430	1440	1450	1460	1470	1480	1490	1504
	(1)	-----									
	(1411)	TAGTCTTGCCGAATACCATAATGAATCTGGCTTGAAAACCATTCCTTCGTAAGGGTGGTCGCACTATTGCCTTTGGAGGCTGTGTGTTCTCTTAT									
		Section 17									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1505)	1505	1510	1520	1530	1540	1550	1560	1570	1580	1598
	(1)	-----									
	(1505)	GTTGGTTGCCATAACAAGTGTGCCTATTGGGTTCCACGTGCTAGCGCTAACATAGGTTGTAACCATACAGGTGTTGTTGGAGAAGGTTCCGAAG									
		Section 18									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1599)	1599	1610	1620	1630	1640	1650	1660	1670	1680	1692
	(1)	-----									
	(1599)	GTCTTAATGACAACCTTCTTGAAATACTCCAAAAAGAGAAAGTCAACATCAATATTGTTGGTGACTTTAACTTAATGAAGAGATCGCCATTAT									
		Section 19									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1693)	1693	1700	1710	1720	1730	1740	1750	1760	1770	1786
	(1)	-----									
	(1693)	TTTGGCATCTTTTTCTGCTTCCACAAGTGCTTTTTGTGGAACTGTGAAAGGTTTGGATTATAAAGCATTCAAACAAATTGTTGAATCCTGTGGT									
		Section 20									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1787)	1787	1800	1810	1820	1830	1840	1850	1860	1870	1880
	(1)	-----									
	(1787)	AATTTTAAAGTTACAAAAGGAAAAGCTAAAAAAGGTGCCTGGAATATTGGTGAACAGAAATCAATACTGAGTCCTCTTTATGCATTTGCATCAG									
		Section 21									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1881)	1881	1890	1900	1910	1920	1930	1940	1950	1960	1974
	(1)	-----									
	(1881)	AGGCTGCTCGTGTTGTACGATCAATTTTCTCCCGCACTCTTGAACTGCTCAAAATTCTGTGCGTGTTTTACAGAAGGCCGCTATAACAATACT									

SARS-CoV-2 & Hepatitis B.apr

		Section 22									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(1975)	1975	1980	1990	2000	2010	2020	2030	2040	2050	2068
	(1)	-----									
	(1975)	AGATGGAATTTACAGTATTCACACTGAGACTCATTGATGCTATGATGTTACATCTGATTTGGCTACTAACAATCTAGTTGTAATGGCCTACATT									
	(1)	-----									
		Section 23									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2069)	2069	2080	2090	2100	2110	2120	2130	2140	2150	2162
	(1)	-----									
	(2069)	ACAGGTGGTGTGTTTCAGTTGACTTCGCAGTGGCTAACTAACATCTTTGGCACTGTTTATGAAAACTCAAACCCGTCCTTGATTGGCTTGAAG									
	(1)	-----									
		Section 24									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2163)	2163	2170	2180	2190	2200	2210	2220	2230	2240	2256
	(1)	-----									
	(2163)	AGAAGTTTAAGGAAGGTGTAGAGTTTCTTAGAGACGGTTGGGAAATTGTTAAATTTATCTCAACCTGTGCTTGTGAAATTGTCGGTGGACAAAT									
	(1)	-----									
		Section 25									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2257)	2257	2270	2280	2290	2300	2310	2320	2330	2340	2350
	(1)	-----									
	(2257)	TGTCACCTGTGCAAAGGAAATTAAGGAGAGTGTTTCAGACATTCTTTAAGCTTGTAATAAATTTTTGGCTTTGTGTGCTGACTCTATCATTATT									
	(1)	-----									
		Section 26									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2351)	2351	2360	2370	2380	2390	2400	2410	2420	2430	2444
	(1)	-----									
	(2351)	GGTGGAGCTAAACTTAAAGCCTTGAATTTAGGTGAAACATTTGTCACGCACTCAAAGGGATTGTACAGAAAGTGTGTTAAATCCAGAGAAGAAA									
	(1)	-----									
		Section 27									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2445)	2445	2450	2460	2470	2480	2490	2500	2510	2520	2538
	(1)	-----									
	(2445)	CTGGCCTACTCATGCCTCTAAAAGCCCCAAAAGAAATTATCTTCTTAGAGGGAGAAACACTTCCACAGAAGTGTTAACAGAGGAAGTTGTCTT									
	(1)	-----									
		Section 28									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2539)	2539	2550	2560	2570	2580	2590	2600	2610	2620	2632
	(1)	-----									
	(2539)	GAAAACCTGGTGATTTACAACCATTAGAACAACCTACTAGTGAAGCTGTTGAAGCTCCATTGGTTGGTACACCAGTTTGTATTAAACGGGCTTATG									
	(1)	-----									

SARS-CoV-2 & Hepatitis B.apr

Section 29										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2633)	2633	2640	2650	2660	2670	2680	2690	2700	2710
	(1)	-----								
	(2633)	TTGCTCGAAATCAAAGACACAGAAAAGTACTGTGCCCTTGACACCTAATATGATGGTAACAAACAATACCTTCACACTCAAAGGCGGTGCACCAA								
Section 30										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2727)	2727	2740	2750	2760	2770	2780	2790	2800	2810
	(1)	-----								
	(2727)	CAAAGGTTACTTTTGGTGATGACACTGTGATAGAAGTGCAAGGTTACAAGAGTGTGAATATCACTTTTGAAGTTGATGAAAGGATTGATAAAGT								
Section 31										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2821)	2821	2830	2840	2850	2860	2870	2880	2890	2900
	(1)	-----								
	(2821)	ACTTAATGAGAAGTGCTCTGCCTATACAGTTGAACTCGGTACAGAAGTAAATGAGTTGCGCTGTGTTGTGGCAGATGCTGTCATAAAAACTTTG								
Section 32										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(2915)	2915	2920	2930	2940	2950	2960	2970	2980	2990
	(1)	-----								
	(2915)	CAACCAGTATCTGAATTACTTACACCACTGGGCATTGATTTAGATGAGTGGAGTATGGCTACATACTACTTATTTGATGAGTCTGGTGAGTTTA								
Section 33										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3009)	3009	3020	3030	3040	3050	3060	3070	3080	3090
	(1)	-----								
	(3009)	AATTGGCTTCACATATGTATTGTTCTTTCTACCCTCCAGATGAGGATGAAGAAGAAGGTGATTGTGAAGAAGAAGAGTTTGAGCCATCAACTCA								
Section 34										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3103)	3103	3110	3120	3130	3140	3150	3160	3170	3180
	(1)	-----								
	(3103)	ATATGAGTATGGTACTGAAGATGATTACCAAGGTAAACCTTTGGAATTTGGTGCCACTTCTGCTGCTCTTCAACCTGAAGAAGAGCAAGAAGAA								
Section 35										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3197)	3197	3210	3220	3230	3240	3250	3260	3270	3280
	(1)	-----								
	(3197)	GATTGGTTAGATGATGATAGTCAACAACTGTTGGTCAACAAGACGGCAGTGAGGACAATCAGACAACTACTATTCAAACAATTGTTGAGGTTTC								

SARS-CoV-2 & Hepatitis B.apr

		Section 36									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3291)	3291	3300	3310	3320	3330	3340	3350	3360	3370	3384
	(1)	-----									
	(3291)	AACCTCAATTAGAGATGGAACTTACACCAGTTGTTTCAGACTATTGAAGTGAATAGTTTTAGTGGTTATTTAAACTTACTGACAATGTATACAT									
		Section 37									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3385)	3385	3390	3400	3410	3420	3430	3440	3450	3460	3478
	(1)	-----									
	(3385)	TAAAAATGCAGACATTGTGGGAAGAAGCTAAAAAGGTAAACCAACAGTGGTTGTTAATGCAGCCAATGTTTACCTTAAACATGGAGGAGGTGTT									
		Section 38									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3479)	3479	3490	3500	3510	3520	3530	3540	3550	3560	3572
	(1)	-----									
	(3479)	GCAGGAGCCTTAAATAAGGCTACTAACAATGCCATGCAAGTTGAATCTGATGATTACATAGCTACTAATGGACCACTTAAAGTGGGTGGTAGTT									
		Section 39									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3573)	3573	3580	3590	3600	3610	3620	3630	3640	3650	3666
	(1)	-----									
	(3573)	GTGTTTTAAGCGGACACAATCTTGCTAAACACTGTCTTCATGTTGTGCGGCCCAAATGTTAACAAGGTGAAGACATTCAACTTCTTAAGAGTGC									
		Section 40									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3667)	3667	3680	3690	3700	3710	3720	3730	3740	3750	3760
	(1)	-----									
	(3667)	TTATGAAAATTTAATCAGCACGAAGTTCTACTTGCACCATTATTATCAGCTGGTATTTTTGGTGCTGACCCTATACATTCTTTAAGAGTTTGT									
		Section 41									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3761)	3761	3770	3780	3790	3800	3810	3820	3830	3840	3854
	(1)	-----									
	(3761)	GTAGATACTGTTTCGCACAAATGTCTACTTAGCTGTCTTTGATAAAAAATCTCTATGACAAACTTGTTTCAAGCTTTTTGGAAATGAAGAGTGAAA									
		Section 42									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3855)	3855	3860	3870	3880	3890	3900	3910	3920	3930	3948
	(1)	-----									
	(3855)	AGCAAGTTGAACAAAAGATCGCTGAGATTCTTAAAGAGGAAGTTAAGCCATTTATAACTGAAAGTAAACCTTCAGTTGAACAGAGAAAACAAGA									

SARS-CoV-2 & Hepatitis B.apr

											Section 43
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(3949)	3949	3960	3970	3980	3990	4000	4010	4020	4030	4042
	(1)	-----									
	(3949)	TGATAAGAAAATCAAAGCTTGTGTTGAAGAAGTTACAACAACCTCTGGAAGAACTAAGTTCCTCACAGAAAACCTTGTTACTTTATATTGACATT									
											Section 44
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4043)	4043	4050	4060	4070	4080	4090	4100	4110	4120	4136
	(1)	-----									
	(4043)	AATGGCAATCTTCATCCAGATTCTGCCACTCTTGTTAGTGACATTGACATCACTTTCTTAAAGAAAGATGCTCCATATATAGTGGGTGATGTTG									
											Section 45
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4137)	4137	4150	4160	4170	4180	4190	4200	4210	4220	4230
	(1)	-----									
	(4137)	TTCAAGAGGGTGTTTTAACTGCTGTGGTTATACCTACTAAAAAGGCTGGTGGCACTACTGAAATGCTAGCGAAAGCTTTGAGAAAAGTGCCAAC									
											Section 46
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4231)	4231	4240	4250	4260	4270	4280	4290	4300	4310	4324
	(1)	-----									
	(4231)	AGACAATTATATAACCACTTACCCGGGTCAGGGTTTTAAATGGTTACACTGTAGAGGAGGCAAAGACAGTGCTTAAAAAGTGTAAGAGTGCCCTTT									
											Section 47
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4325)	4325	4330	4340	4350	4360	4370	4380	4390	4400	4418
	(1)	-----									
	(4325)	TACATTCTACCATCTATTATCTCTAATGAGAAGCAAGAAATTCTTGGAAGTGTCTTCTTGAATTTGCGAGAAATGCTTGACATGCAGAAGAAA									
											Section 48
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4419)	4419	4430	4440	4450	4460	4470	4480	4490	4500	4512
	(1)	-----									
	(4419)	CACGCAAATTAATGCCTGTCTGTGTGGAACTAAAGCCATAGTTTCAACTATACAGCGTAAATATAAGGGTATTAAAATACAAGAGGGTGTGGT									
											Section 49
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4513)	4513	4520	4530	4540	4550	4560	4570	4580	4590	4606
	(1)	-----									
	(4513)	TGATTATGGTGCTAGATTTTACTTTTACACCAGTAAACAACCTGTAGCGTCACTTATCAACACACTTAACGATCTAAATGAAACTCTTGTTACA									

SARS-CoV-2 & Hepatitis B.apr

		Section 50									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4607)	4607	4620	4630	4640	4650	4660	4670	4680	4690	4700
	(1)	-----									
	(4607)	ATGCCACTTGGCTATGTAACACATGGCTTAAATTTGGAAGAAGCTGCTCGGTATATGAGATCTCTCAAAGTGCCAGCTACAGTTTCTGTTTCTT									
		Section 51									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4701)	4701	4710	4720	4730	4740	4750	4760	4770	4780	4794
	(1)	-----									
	(4701)	CACCTGATGCTGTTACAGCGTATAATGGTTATCTTACTTCTTCTTCTAAAACACCTGAAGAACATTTTATTGAAACCATCTCACTTGCTGGTTC									
		Section 52									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4795)	4795	4800	4810	4820	4830	4840	4850	4860	4870	4888
	(1)	-----									
	(4795)	CTATAAAGATTGGTCCTATTCTGGACAATCTACACAACCTAGGTATAGAATTTCTTAAGAGAGGTGATAAAAGTGTATATTACACTAGTAATCCT									
		Section 53									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4889)	4889	4900	4910	4920	4930	4940	4950	4960	4970	4982
	(1)	-----									
	(4889)	ACCACATTCCACCTAGATGGTGAAGTTATCACCTTTGACAATCTTAAGACACTTCTTTCTTTGAGAGAAGTGAGGACTATTAAGGTGTTTACAA									
		Section 54									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(4983)	4983	4990	5000	5010	5020	5030	5040	5050	5060	5076
	(1)	-----									
	(4983)	CAGTAGACAACATTAACTCCACACGCAAGTTGTGGACATGTCAATGACATATGGACAACAGTTTGGTCCAACCTTATTTGGATGGAGCTGATGT									
		Section 55									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5077)	5077	5090	5100	5110	5120	5130	5140	5150	5160	5170
	(1)	-----									
	(5077)	TACTAAAATAAAACCTCATAATTCACATGAAGGTAAACATTTTATGTTTTACCTAATGATGACACTCTACGTGTTGAGGCTTTTGAGTACTAC									
		Section 56									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5171)	5171	5180	5190	5200	5210	5220	5230	5240	5250	5264
	(1)	-----									
	(5171)	CACACAACCTGATCCTAGTTTTCTGGGTAGGTACATGTCAGCATTAATCACAATAAAAGTGGAATACCCACAAGTTAATGGTTTAACTTCTA									

SARS-CoV-2 & Hepatitis B.apr

		Section 57									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5265)	5265	5270	5280	5290	5300	5310	5320	5330	5340	5358
	(1)	-----									
	(5265)	TTAAATGGGCAGATAACAACACTGTTATCTTGCCACTGCATTGTTAACTCCAACAAATAGAGTTGAAGTTAATCCACCTGCTCTACAAGATGC									
		Section 58									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5359)	5359	5370	5380	5390	5400	5410	5420	5430	5440	5452
	(1)	-----									
	(5359)	TTATTACAGAGCAAGGGCTGGTGAAGCTGCTAACTTTTGTGCACTTATCTTAGCCTACTGTAATAAGACAGTAGGTGAGTTAGGTGATGTTAGA									
		Section 59									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5453)	5453	5460	5470	5480	5490	5500	5510	5520	5530	5546
	(1)	-----									
	(5453)	GAAACAATGAGTTACTTGTTC AACATGCCAATTTAGATTCTTGCAAAAGAGTCTTGAAACGTGGTGTGTAAACTTGTGGACAACAGCAGACAA									
		Section 60									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5547)	5547	5560	5570	5580	5590	5600	5610	5620	5630	5640
	(1)	-----									
	(5547)	CCCTTAAGGGTGTAGAAGCTGTTATGTACATGGGCACACTTTCTTATGAACAATTTAAGAAAGGTGTTTCAGATACCTTGTACGTGTGGTAAACA									
		Section 61									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5641)	5641	5650	5660	5670	5680	5690	5700	5710	5720	5734
	(1)	-----									
	(5641)	AGCTACAAAATATCTAGTACAACAGGAGTCACCTTTTGTATGATGTCAGCACCACTGCTCAGTATGAACTTAAGCATGGTACATTTACTTTGT									
		Section 62									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5735)	5735	5740	5750	5760	5770	5780	5790	5800	5810	5828
	(1)	-----									
	(5735)	GCTAGTGAGTACACTGGTAATTACCAGTGTGGTCACTATAAACATATAACTTCTAAAGAACTTTGTATTGCATAGACGGTGCTTTACTTACAA									
		Section 63									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5829)	5829	5840	5850	5860	5870	5880	5890	5900	5910	5922
	(1)	-----									
	(5829)	AGTCCTCAGAAATACAAAGGTCCTATTACGGATGTTTTCTACAAAGAAAACAGTTACACAACAACCATAAAACCAGTTACTTATAAATTGGATGG									

SARS-CoV-2 & Hepatitis B.apr

		Section 64									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(5923)	5923	5930	5940	5950	5960	5970	5980	5990	6000	6016
	(1)	-----									
	(5923)	TGTTGTTTGTACAGAAATTGACCCCTAAGTTGGACAATTATTATAAGAAAGACAATTCTTATTTTCACAGAGCAACCAATTGATCTTGTACCAAAC									
		Section 65									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6017)	6017	6030	6040	6050	6060	6070	6080	6090	6100	6110
	(1)	-----									
	(6017)	CAACCATATCCAAACGCAAGCTTCGATAATTTTAAGTTTGTATGTGATAATATCAAATTTGCTGATGATTTAAACCAGTTAACTGGTTATAAGA									
		Section 66									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6111)	6111	6120	6130	6140	6150	6160	6170	6180	6190	6204
	(1)	-----									
	(6111)	AACCTGCTTCAAGAGAGCTTAAAGTTACATTTTTCCCTGACTTAAATGGTGATGTGGTGGCTATTGATTATAAACACTACACACCCTCTTTTAA									
		Section 67									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6205)	6205	6210	6220	6230	6240	6250	6260	6270	6280	6298
	(1)	-----									
	(6205)	GAAAGGAGCTAAATTGTTACATAAACCTATTGTTTGGCATGTTAACAATGCAACTAATAAAGCCACGTATAAACCAAATACCTGGTGTATACGT									
		Section 68									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6299)	6299	6310	6320	6330	6340	6350	6360	6370	6380	6392
	(1)	-----									
	(6299)	TGTCTTTGGAGCACAAAACCAGTTGAAACATCAAATTCGTTTGATGTACTGAAGTCAGAGGACGCGCAGGGAATGGATAATCTTGCCTGCGAAG									
		Section 69									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6393)	6393	6400	6410	6420	6430	6440	6450	6460	6470	6486
	(1)	-----									
	(6393)	ATCTAAAACCAGTCTCTGAAGAAGTAGTGGAAAATCCTACCATACAGAAAGACGTTCTTGAGTGTAATGTGAAAACCTACCGAAGTTGTAGGAGA									
		Section 70									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6487)	6487	6500	6510	6520	6530	6540	6550	6560	6570	6580
	(1)	-----									
	(6487)	CATTATACTTAAACCAGCAAATAATAGTTTAAAAATTACAGAAGAGGTTGGCCACACAGATCTAATGGCTGCTTATGTAGACAATTCTAGTCTT									

SARS-CoV-2 & Hepatitis B.apr

		Section 71									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6581)	6581	6590	6600	6610	6620	6630	6640	6650	6660	6674
	(1)	-----									
	(6581)	ACTATTAAGAAACCTAATGAATTATCTAGAGTATTAGGTTTGAAAACCTTGCTACTCATGGTTTAGCTGCTGTTAATAGTGTCCCTTGGGATA									
		Section 72									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6675)	6675	6680	6690	6700	6710	6720	6730	6740	6750	6768
	(1)	-----									
	(6675)	CTATAGCTAATTATGCTAAGCCTTTTCTTAACAAAGTTGTTAGTACAACCTACTAACATAGTTACACGGTGTTTAAACCGTGTTTGTACTAATTA									
		Section 73									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6769)	6769	6780	6790	6800	6810	6820	6830	6840	6850	6862
	(1)	-----									
	(6769)	TATGCCTTATTTCTTTACTTTATTGCTACAATTGTGTACTTTTACTAGAAGTACAAATTCTAGAATTAAAGCATCTATGCCGACTACTATAGCA									
		Section 74									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6863)	6863	6870	6880	6890	6900	6910	6920	6930	6940	6956
	(1)	-----									
	(6863)	AAGAATACTGTTAAGAGTGTCGGTAAATTTTGTCTAGAGGCTTCATTTAATTATTTGAAGTCACCTAATTTTTCTAACTGATAAATATTATAA									
		Section 75									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(6957)	6957	6970	6980	6990	7000	7010	7020	7030	7040	7050
	(1)	-----									
	(6957)	TTTGGTTTTTACTATTAAAGTGTTTGCCTAGGTTCTTTAATCTACTCAACCGCTGCTTTAGGTGTTTTAATGTCTAATTTAGGCATGCCTTCTTA									
		Section 76									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7051)	7051	7060	7070	7080	7090	7100	7110	7120	7130	7144
	(1)	-----									
	(7051)	CTGTACTGGTTACAGAGAAGGCTATTTGAACCTCTACTAATGTCACTATTGCAACCTACTGTACTGGTTCTATACCTTGTAGTGTTTGTCTTAGT									
		Section 77									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7145)	7145	7150	7160	7170	7180	7190	7200	7210	7220	7238
	(1)	-----									
	(7145)	GGTTTAGATTCTTTAGACACCTATCCTTCTTTAGAACTATACAAATTACCATTTTCATCTTTTAAATGGGATTTAACTGCTTTTGGCTTAGTTG									

SARS-CoV-2 & Hepatitis B.apr

											Section 78
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7239)	7239	7250	7260	7270	7280	7290	7300	7310	7320	7332
	(1)	-----									
	(7239)	CAGAGTGGTTTTTGGCATATATTCTTTTCACTAGGTTTTTCTATGTACTTGGATTGGCTGCAATCATGCAATTGTTTTTCAGCTATTTTGCAGT									
											Section 79
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7333)	7333	7340	7350	7360	7370	7380	7390	7400	7410	7426
	(1)	-----									
	(7333)	ACATTTTATTAGTAATTCTTGGCTTATGTGGTTAATAATTAATCTTGTACAAATGGCCCCGATTTTCAGCTATGGTTAGAATGTACATCTTCTTT									
											Section 80
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7427)	7427	7440	7450	7460	7470	7480	7490	7500	7510	7520
	(1)	-----									
	(7427)	GCATCATTTTATTATGTATGGAAAAGTTATGTGCATGTTGTAGACGGTTGTAATTCATCAACTTGTATGATGTGTTACAAACGTAATAGAGCAA									
											Section 81
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7521)	7521	7530	7540	7550	7560	7570	7580	7590	7600	7614
	(1)	-----									
	(7521)	CAAGAGTCGAATGTACAACCTATTGTTAATGGTGTTAGAAGGTCCTTTTATGTCTATGCTAATGGAGGTAAAGGCTTTTGCAAACCTACACAATTG									
											Section 82
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7615)	7615	7620	7630	7640	7650	7660	7670	7680	7690	7708
	(1)	-----									
	(7615)	GAATTGTGTTAATTGTGATACATTCTGTGCTGGTAGTACATTTATTAGTGATGAAGTTGCGAGAGACTTGTCACCTACAGTTTAAAGACCAATA									
											Section 83
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7709)	7709	7720	7730	7740	7750	7760	7770	7780	7790	7802
	(1)	-----									
	(7709)	AATCCTACTGACCAGTCTTCTTACATCGTTGATAGTGTTACAGTGAAGAATGGTTCCATCCATCTTTACTTTGATAAAGCTGGTCAAAAGACTT									
											Section 84
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7803)	7803	7810	7820	7830	7840	7850	7860	7870	7880	7896
	(1)	-----									
	(7803)	ATGAAAGACATTCTCTCTCATTTTTGTTAACTTAGACAACCTGAGAGCTAATAACACTAAAGGTTTCATTGCCTATTAATGTTATAGTTTTTGA									

SARS-CoV-2 & Hepatitis B.apr

		Section 85									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7897)	7897	7910	7920	7930	7940	7950	7960	7970	7980	7990
	(1)	-----									
	(7897)	TGGTAAATCAAAATGTGAAGAATCATCTGCAAAATCAGCGTCTGTTTACTACAGTCAGCTTATGTGTCAACCTATACTGTTACTAGATCAGGCA									
		Section 86									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(7991)	7991	8000	8010	8020	8030	8040	8050	8060	8070	8084
	(1)	-----									
	(7991)	TTAGTGTCCTGATGTTGGTGATAGTGCGGAAGTTGCAGTTAAAATGTTTGATGCTTACGTTAATACGTTTTTCATCAACTTTTAACGTACCAATGG									
		Section 87									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8085)	8085	8090	8100	8110	8120	8130	8140	8150	8160	8178
	(1)	-----									
	(8085)	AAAAACTCAAAACACTAGTTGCAACTGCAGAAGCTGAACTTGCAAAGAATGTGTCCTTAGACAATGTCTTATCTACTTTTATTTTCAGCAGCTCG									
		Section 88									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8179)	8179	8190	8200	8210	8220	8230	8240	8250	8260	8272
	(1)	-----									
	(8179)	GCAAGGGTTTGTTGATTCAGATGTAGAAACTAAAGATGTTGTTGAATGTCTTAAATTGTCACATCAATCTGACATAGAAGTTACTGGCGATAGT									
		Section 89									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8273)	8273	8280	8290	8300	8310	8320	8330	8340	8350	8366
	(1)	-----									
	(8273)	TGTAATAACTATATGCTCACCTATAACAAAGTTGAAAACATGACACCCCGTGACCTTGGTGCTTGTATTGACTGTAGTGCGCGTCATATTAATG									
		Section 90									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8367)	8367	8380	8390	8400	8410	8420	8430	8440	8450	8460
	(1)	-----									
	(8367)	CGCAGGTAGCAAAAAGTCACAACATTGCTTTGATATGGAACGTTAAAGATTTTCATGTCATTGTCTGAACAACCTACGAAAACAAATACGTAGTGC									
		Section 91									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8461)	8461	8470	8480	8490	8500	8510	8520	8530	8540	8554
	(1)	-----									
	(8461)	TGCTAAAAAGAATAACTTACCTTTTAAGTTGACATGTGCAACTACTAGACAAGTTGTTAATGTTGTAACAACAAAGATAGCACTTAAGGGTGGT									

SARS-CoV-2 & Hepatitis B.apr

		Section 92									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8555)	8555	8560	8570	8580	8590	8600	8610	8620	8630	8648
	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	(8555)	AAAATTGTTAATAATTGGTTGAAGCAGTTAATTAAAGTTACACTTGTGTTCTTTTGTGCTGCTATTTTCTATTTAATAACACCTGTTTCATG									
		Section 93									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8649)	8649	8660	8670	8680	8690	8700	8710	8720	8730	8742
	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	(8649)	TCATGTCTAAACATACTGACTTTTCAAGTGAAATCATAGGATACAAGGCTATTGATGGTGGTGTCACTCGTGACATAGCATCTACAGATACTTG									
		Section 94									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8743)	8743	8750	8760	8770	8780	8790	8800	8810	8820	8836
	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	(8743)	TTTTGCTAACAAACATGCTGATTTTGACACATGGTTTAGCCAGCGTGGTGGTAGTTATACTAATGACAAAGCTTGCCCATTGATTGCTGCAGTC									
		Section 95									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8837)	8837	8850	8860	8870	8880	8890	8900	8910	8920	8930
	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	(8837)	ATAACAAGAGAAGTGGGTTTTGTCGTGCCTGGTTTTGCCTGGCAGATATTACGCACAACCTAATGGTGACTTTTTGCATTTCTTACCTAGAGTTT									
		Section 96									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(8931)	8931	8940	8950	8960	8970	8980	8990	9000	9010	9024
	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	(8931)	TTAGTGCAGTTGGTAACATCTGTTACACACCATCAAACTTATAGAGTACACTGACTTTGCAACATCAGCTTGTGTTTTGGCTGCTGAATGTAC									
		Section 97									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9025)	9025	9030	9040	9050	9060	9070	9080	9090	9100	9118
	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	(9025)	AATTTTTAAAGATGCTTCTGGTAAGCCAGTACCATATTGTTATGATACCAATGTACTAGAAGGTTCTGTTGCTTATGAAAGTTTACGCCCTGAC									
		Section 98									
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9119)	9119	9130	9140	9150	9160	9170	9180	9190	9200	9212
	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	(9119)	ACACGTTATGTGCTCATGGATGGCTCTATTATTCAATTTCTTAACACCTACCTTGAAGGTTCTGTTAGAGTGGTAACAACCTTTTGATTCTGAGT									

SARS-CoV-2 & Hepatitis B.apr

Section 99										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9213)	9213	9220	9230	9240	9250	9260	9270	9280	9290
	(1)	-----								
	(9213)	ACTGTAGGCACGGCACTTGTGAAAAGATCAGAAGCTGGTGTGTTGTGTATCTACTAGTGGTAGATGGGTACTTAACAATGATTATTACAGATCTTT								
Section 100										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9307)	9307	9320	9330	9340	9350	9360	9370	9380	9390
	(1)	-----								
	(9307)	ACCAGGAGTTTTCTGTGGTGTAGATGCTGTAAATTTACTTACTAATATGTTTACACCACTAATTCAACCTATTGGTGCTTTGGACATATCAGCA								
Section 101										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9401)	9401	9410	9420	9430	9440	9450	9460	9470	9480
	(1)	-----								
	(9401)	TCTATAGTAGCTGGTGGTATTGTAGCTATCGTAGTAACATGCCTTGCCTACTATTTTATGAGGTTTAGAAGAGCTTTTGGTGAATACAGTCATG								
Section 102										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9495)	9495	9500	9510	9520	9530	9540	9550	9560	9570
	(1)	-----								
	(9495)	TAGTTGCCTTTAATACTTTACTATTTCCTTATGTCATTCAGTGTACTCTGTTTAAACACCAGTTTACTCATTCTTACCTGGTGTTTATTCTGTTAT								
Section 103										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9589)	9589	9600	9610	9620	9630	9640	9650	9660	9670
	(1)	-----								
	(9589)	TTACTTGTAAGTGGATGTTTCTTTTATGAGGTTTAGAAGAGCTTTTGGTGAATACAGTCATG								
Section 104										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9683)	9683	9690	9700	9710	9720	9730	9740	9750	9760
	(1)	-----								
	(9683)	ATAACAATTGCTTATATCATTGTATTTCCACAAAGCATTTCTATTGGTTCTTTAGTAATTACCTAAAGAGACGTGTAGTCTTTAATGGTGTTT								
Section 105										
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9777)	9777	9790	9800	9810	9820	9830	9840	9850	9860
	(1)	-----								
	(9777)	CCTTTAGTACTTTTGAAGAAGCTGCGCTGTGCACCTTTTGTAAATAAAGAAATGTATCTAAAGTTGCGTAGTGATGTGCTATTACCTCTTAC								

SARS-CoV-2 & Hepatitis B.apr

											Section 106
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9871)	9871	9880	9890	9900	9910	9920	9930	9940	9950	9964
	(1)	-----									
	(9871)	GCAATATAATAGATACTTAGCTCTTTATAATAAGTACAAGTATTTTAGTGGAGCAATGGATACAACCTAGCTACAGAGAAGCTGCTTGTGTGCAT									
											Section 107
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(9965)	9965	9970	9980	9990	10000	10010	10020	10030	10040	10058
	(1)	-----									
	(9965)	CTCGCAAAGGCTCTCAATGACTTCAGTAACTCAGGTTCTGATGTTCTTTACCAACCACCACAAACCTCTATCACCTCAGCTGTTTTGCAGAGTG									
											Section 108
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(10059)	10059	10070	10080	10090	10100	10110	10120	10130	10140	10152
	(1)	-----									
	(10059)	GTTTTAGAAAAATGGCATTCCCATCTGGTAAAGTTGAGGGTTGTATGGTACAAGTAACTTGTGGTACAACCTACACTTAACGGTCTTTGGCTTGA									
											Section 109
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(10153)	10153	10160	10170	10180	10190	10200	10210	10220	10230	10246
	(1)	-----									
	(10153)	TGACGTAGTTTACTGTCCAAGACATGTGATCTGCACCTCTGAAGACATGCTTAACCCTAATTATGAAGATTTACTCATTTCGTAAGTCTAATCAT									
											Section 110
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(10247)	10247	10260	10270	10280	10290	10300	10310	10320	10330	10340
	(1)	-----									
	(10247)	AATTTCTTGGTACAGGCTGGTAATGTTCAACTCAGGGTTATTGGACATTCTATGCAAATTGTGTACTTAAGCTTAAGGTTGATACAGCCAATC									
											Section 111
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(10341)	10341	10350	10360	10370	10380	10390	10400	10410	10420	10434
	(1)	-----									
	(10341)	CTAAGACACCTAAGTATAAGTTTGTTTCGCATTCAACCAGGACAGACTTTTTTCAGTGTTAGCTTGTTACAATGGTTTCACCATCTGGTGTTTACCA									
											Section 112
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(10435)	10435	10440	10450	10460	10470	10480	10490	10500	10510	10528
	(1)	-----									
	(10435)	ATGTGCTATGAGGCCCAATTTCACTATTAAGGGTTCATTCCTTAATGGTTCATGTGGTAGTGTTGGTTTTAACATAGATTATGACTGTGTCTCT									

SARS-CoV-2 & Hepatitis B.apr

		Section 113									
Hepatitis B virus NC_003977.2	(10529)	10529	10540	10550	10560	10570	10580	10590	10600	10610	10622
	(1)	-----									
SARS-CoV-2 NC_045512.2	(10529)	TTTTGTTACATGCACCATATGGAATTACCAACTGGAGTTCATGCTGGCACAGACTTAGAAGGTAACCTTTTATGGACCTTTTGTTGACAGGCCAAA									
		Section 114									
Hepatitis B virus NC_003977.2	(10623)	10623	10630	10640	10650	10660	10670	10680	10690	10700	10716
	(1)	-----									
SARS-CoV-2 NC_045512.2	(10623)	CAGCACAAGCAGCTGGTACGGACACAACCTATTACAGTTAATGTTTTAGCTTGGTTGTACGCTGCTGTTATAAATGGAGACAGGTGGTTTCTCAA									
		Section 115									
Hepatitis B virus NC_003977.2	(10717)	10717	10730	10740	10750	10760	10770	10780	10790	10800	10810
	(1)	-----									
SARS-CoV-2 NC_045512.2	(10717)	TCGATTTACCACAACCTCTTAATGACTTTAACCTTGTGGCTATGAAGTACAATTATGAACCTCTAACACAAGACCATGTTGACATACTAGGACCT									
		Section 116									
Hepatitis B virus NC_003977.2	(10811)	10811	10820	10830	10840	10850	10860	10870	10880	10890	10904
	(1)	-----									
SARS-CoV-2 NC_045512.2	(10811)	CTTTCTGCTCAAACCTGGAATTGCCGTTTTAGATATGTGTGCTTCATTAAAAGAATTACTGCAAATGGTATGAATGGACGTACCATATTGGGTA									
		Section 117									
Hepatitis B virus NC_003977.2	(10905)	10905	10910	10920	10930	10940	10950	10960	10970	10980	10998
	(1)	-----									
SARS-CoV-2 NC_045512.2	(10905)	GTGCTTTATTAGAAGATGAATTTACACCTTTTGATGTTGTTAGACAATGCTCAGGTGTTACTTTCCAAAGTGCAGTGAAAAGAACAATCAAGGG									
		Section 118									
Hepatitis B virus NC_003977.2	(10999)	10999	11010	11020	11030	11040	11050	11060	11070	11080	11092
	(1)	-----									
SARS-CoV-2 NC_045512.2	(10999)	TACACACCACTGGTTGTTACTCACAATTTTGACTTCACTTTTAGTTTTAGTCCAGAGTACTCAATGGTCTTTGTTCTTTTTTTTTGTATGAAAAT									
		Section 119									
Hepatitis B virus NC_003977.2	(11093)	11093	11100	11110	11120	11130	11140	11150	11160	11170	11186
	(1)	-----									
SARS-CoV-2 NC_045512.2	(11093)	GCCTTTTTTACCTTTTGCTATGGGTATTATTGCTATGTCTGCTTTTGCAATGATGTTTGTCAAACATAAGCATGCATTTCTCTGTTTGTGTTTTGT									

SARS-CoV-2 & Hepatitis B.apr

										Section 120
Hepatitis B virus NC_003977.2	(11187)	11187	11200	11210	11220	11230	11240	11250	11260	11270 11280
	(1)	-----								
SARS-CoV-2 NC_045512.2	(11187)	TACCTTCTCTTGCCACTGTAGCTTATTTTAATATGGTCTATATGCCTGCTAGTTGGGTGATGCGTATTATGACATGGTTGGATATGGTTGATAC								
										Section 121
Hepatitis B virus NC_003977.2	(11281)	11281	11290	11300	11310	11320	11330	11340	11350	11360 11374
	(1)	-----								
SARS-CoV-2 NC_045512.2	(11281)	TAGTTTGCTCTGGTTTTAAGCTAAAAGACTGTGTTATGTATGCATCAGCTGTAGTGTTACTAATCCTTATGACAGCAAGAACTGTGTATGATGAT								
										Section 122
Hepatitis B virus NC_003977.2	(11375)	11375	11380	11390	11400	11410	11420	11430	11440	11450 11468
	(1)	-----								
SARS-CoV-2 NC_045512.2	(11375)	GGTGCTAGGAGAGTGTGGACACTTATGAATGTCTTGACACTCGTTTTATAAAGTTTATTATGGTAATGCTTTAGATCAAGCCATTTCCATGTGGG								
										Section 123
Hepatitis B virus NC_003977.2	(11469)	11469	11480	11490	11500	11510	11520	11530	11540	11550 11562
	(1)	-----								
SARS-CoV-2 NC_045512.2	(11469)	CTCTTATAATCTCTGTTACTTCTAACTACTCAGGTGTAGTTACAACCTGTCATGTTTTTGGCCAGAGGTATTGTTTTTATGTGTGTTGAGTATTG								
										Section 124
Hepatitis B virus NC_003977.2	(11563)	11563	11570	11580	11590	11600	11610	11620	11630	11640 11656
	(1)	-----								
SARS-CoV-2 NC_045512.2	(11563)	CCCTATTTTCTTCATAACTGGTAATACACTTCAGTGATAATGCTAGTTTATTGTTTCTTAGGCTATTTTTGTACTTGTTACTTTGGCCTCTTT								
										Section 125
Hepatitis B virus NC_003977.2	(11657)	11657	11670	11680	11690	11700	11710	11720	11730	11740 11750
	(1)	-----								
SARS-CoV-2 NC_045512.2	(11657)	TGTTTACTCAACCGCTACTTTAGACTGACTCTTGGTGTTTATGATTACTTAGTTTCTACACAGGAGTTTAGATATATGAATTCACAGGGACTAC								
										Section 126
Hepatitis B virus NC_003977.2	(11751)	11751	11760	11770	11780	11790	11800	11810	11820	11830 11844
	(1)	-----								
SARS-CoV-2 NC_045512.2	(11751)	TCCCACCCAAGAATAGCATAGATGCCTTCAAACCTCAACATTAAATTGTTGGGTGTTGGTGGCAAACCTTGTATCAAAGTAGCCACTGTACAGTC								

SARS-CoV-2 & Hepatitis B.apr

		Section 127										
		(11845)	11845	11850	11860	11870	11880	11890	11900	11910	11920	11938
Hepatitis B virus NC_003977.2	(1)	-----										
SARS-CoV-2 NC_045512.2	(11845)	TAAAATGTCAGATGTAAAGTGCACATCAGTAGTCTTACTCTCAGTTTTGCAACAACTCAGAGTAGAATCATCATCTAAATTGTGGGCTCAATGT										
		Section 128										
		(11939)	11939	11950	11960	11970	11980	11990	12000	12010	12020	12032
Hepatitis B virus NC_003977.2	(1)	-----										
SARS-CoV-2 NC_045512.2	(11939)	GTCCAGTTACACAATGACATTCTCTTAGCTAAAGATACTACTGAAGCCTTTGAAAAAATGGTTTCACTACTTTCTGTTTTGCTTTCCATGCAGG										
		Section 129										
		(12033)	12033	12040	12050	12060	12070	12080	12090	12100	12110	12126
Hepatitis B virus NC_003977.2	(1)	-----										
SARS-CoV-2 NC_045512.2	(12033)	GTGCTGTAGACATAAAACAAGCTTTGTGAAGAAATGCTGGACAACAGGGCAACCTTACAAGCTATAGCCTCAGAGTTTAGTTCCCTTCCATCATA										
		Section 130										
		(12127)	12127	12140	12150	12160	12170	12180	12190	12200	12210	12220
Hepatitis B virus NC_003977.2	(1)	-----										
SARS-CoV-2 NC_045512.2	(12127)	TGCAGCTTTTGCTACTGCTCAAGAAGCTTATGAGCAGGCTGTTGCTAATGGTGATTCTGAAGTTGTTCTTAAAAAGTTGAAGAAGTCTTTGAAT										
		Section 131										
		(12221)	12221	12230	12240	12250	12260	12270	12280	12290	12300	12314
Hepatitis B virus NC_003977.2	(1)	-----										
SARS-CoV-2 NC_045512.2	(12221)	GTGGCTAAATCTGAATTTGACCGTGATGCAGCCATGCAACGTAAGTTGGAAAAGATGGCTGATCAAGCTATGACCCAAATGTATAAACAGGCTA										
		Section 132										
		(12315)	12315	12320	12330	12340	12350	12360	12370	12380	12390	12408
Hepatitis B virus NC_003977.2	(1)	-----										
SARS-CoV-2 NC_045512.2	(12315)	GATCTGAGGACAAGAGGGCAAAAGTTACTAGTGCTATGCAGACAATGCTTTTCACTATGCTTAGAAAGTTGGATAATGATGCACTCAACAACAT										
		Section 133										
		(12409)	12409	12420	12430	12440	12450	12460	12470	12480	12490	12502
Hepatitis B virus NC_003977.2	(1)	-----										
SARS-CoV-2 NC_045512.2	(12409)	TATCAACAATGCAAGAGATGGTTGTGTTCCCTTGAACATAATACCTCTTACAACAGCAGCCAAACTAATGGTTGTCATACCAGACTATAACACA										

SARS-CoV-2 & Hepatitis B.apr

											Section 134
Hepatitis B virus NC_003977.2	(12503)	12503	12510	12520	12530	12540	12550	12560	12570	12580	12596
	(1)	-----									
SARS-CoV-2 NC_045512.2	(12503)	TATAAAAATACGTGTGATGGTACAACATTTACTTATGCATCAGCATTGTGGGAAATCCAACAGGTTGTAGATGCAGATAGTAAAATTGTTCAAC									
											Section 135
Hepatitis B virus NC_003977.2	(12597)	12597	12610	12620	12630	12640	12650	12660	12670	12680	12690
	(1)	-----									
SARS-CoV-2 NC_045512.2	(12597)	T TAGTGAAATTAGTATGGACAATTCACCTAATTTAGCATGGCCTCTTATTGTAAACAGCTTTAAGGGCCAATTCTGCTGTCAAATTACAGAATAA									
											Section 136
Hepatitis B virus NC_003977.2	(12691)	12691	12700	12710	12720	12730	12740	12750	12760	12770	12784
	(1)	-----									
SARS-CoV-2 NC_045512.2	(12691)	TGAGCTTAGTCCTGTTGCACTACGACAGATGCTTGTGCTGCCGGTACTACACAAACTGCTTGCACTGATGACAATGCGTTAGCTTACTACAAC									
											Section 137
Hepatitis B virus NC_003977.2	(12785)	12785	12790	12800	12810	12820	12830	12840	12850	12860	12878
	(1)	-----									
SARS-CoV-2 NC_045512.2	(12785)	ACAACAAAGGGAGGTAGGTTTGTACTTGCAC TGTTATCCGATTTACAGGATTTGAAATGGGCTAGATTCCCTAAGAGTGATGGAAGTGGTACTA									
											Section 138
Hepatitis B virus NC_003977.2	(12879)	12879	12890	12900	12910	12920	12930	12940	12950	12960	12972
	(1)	-----									
SARS-CoV-2 NC_045512.2	(12879)	TCTATACAGAACTGGAACCACCTTGTAGGTTTGT TACAGACACACCTAAAGGTCCTAAAGTGAAGTATTTATACTTTATTAAAGGATTAAACAA									
											Section 139
Hepatitis B virus NC_003977.2	(12973)	12973	12980	12990	13000	13010	13020	13030	13040	13050	13066
	(1)	-----									
SARS-CoV-2 NC_045512.2	(12973)	CCTAAATAGAGGTATGGTACTTGGTAGTTTAGCTGCCACAGTACGCTCTACAAGCTGGTAATGCAACAGAAGTGCCTGCCAATTCAACTGTATTA									
											Section 140
Hepatitis B virus NC_003977.2	(13067)	13067	13080	13090	13100	13110	13120	13130	13140	13150	13160
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13067)	TCTTTCTGTGCTTTTGGCTGTAGATGCTGCTAAAGCTTACAAAGATTATCTAGCTAGTGGGGGACAACCAATCACTAATTGTGTTAAGATGTTGT									

SARS-CoV-2 & Hepatitis B.apr

											Section 141
Hepatitis B virus NC_003977.2	(13161)	13161	13170	13180	13190	13200	13210	13220	13230	13240	13254
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13161)	GTACACACACTGGTACTGGTCAGGCAATAACAGTTACACCGGAAGCCAATATGGATCAAGAATCCTTTGGTGGTGCATCGTGTGTCTGTACTG									
											Section 142
Hepatitis B virus NC_003977.2	(13255)	13255	13260	13270	13280	13290	13300	13310	13320	13330	13348
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13255)	CCGTTGCCACATAGATCATCCAAATCCTAAAGGATTTTGTGACTTAAAAGGTAAGTATGTACAAATACCTACAACCTGTGCTAATGACCCTGTG									
											Section 143
Hepatitis B virus NC_003977.2	(13349)	13349	13360	13370	13380	13390	13400	13410	13420	13430	13442
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13349)	GGTTTTACACTTAAAAACACAGTCTGTACCGTCTGCGGTATGTGGAAAGGTTATGGCTGTAGTTGTGATCAACTCCGCGAACCCATGCTTCAGT									
											Section 144
Hepatitis B virus NC_003977.2	(13443)	13443	13450	13460	13470	13480	13490	13500	13510	13520	13536
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13443)	CAGCTGATGCACAATCGTTTTTAAACGGGTTTGCGGTGTAAGTGCAGCCCGTCTTACACCGTGCGGCACAGGCACTAGTACTGATGTCGTATAC									
											Section 145
Hepatitis B virus NC_003977.2	(13537)	13537	13550	13560	13570	13580	13590	13600	13610	13620	13630
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13537)	AGGGCTTTTGACATCTACAATGATAAAGTAGCTGGTTTTGCTAAATTCTTAAAACTAATTGTTGTCGCTTCCAAGAAAAGGACGAAGATGACA									
											Section 146
Hepatitis B virus NC_003977.2	(13631)	13631	13640	13650	13660	13670	13680	13690	13700	13710	13724
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13631)	ATTTAATTGATTCTTACTTTGTAGTTAAGAGACACACTTTCTCTAACTACCAACATGAAGAAACAATTTATAATTTACTTAAGGATTGTCCAGC									
											Section 147
Hepatitis B virus NC_003977.2	(13725)	13725	13730	13740	13750	13760	13770	13780	13790	13800	13818
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13725)	TGTTGCTAAACATGACTTCTTTAAGTTTAGAATAGACGGTGACATGGTACCACATATATCACGTCAACGTCTTACTAAATACACAATGGCAGAC									

SARS-CoV-2 & Hepatitis B.apr

											Section 148
Hepatitis B virus NC_003977.2	(13819)	13819	13830	13840	13850	13860	13870	13880	13890	13900	13912
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13819)	CTCGTCTATGCTTTAAGGCATTTTGATGAAGGTAATTGTGACACATTAAAAGAAATACTTGTCACATACAATTGTTGTGATGATGATTATTTCA									
											Section 149
Hepatitis B virus NC_003977.2	(13913)	13913	13920	13930	13940	13950	13960	13970	13980	13990	14006
	(1)	-----									
SARS-CoV-2 NC_045512.2	(13913)	ATAAAAAGGACTGGTATGATTTTGTAGAAAACCCAGATATATTACGCGTATACGCCAACTTAGGTGAACGTGTACGCCAAGCTTTGTTAAAAAC									
											Section 150
Hepatitis B virus NC_003977.2	(14007)	14007	14020	14030	14040	14050	14060	14070	14080	14090	14100
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14007)	AGTACAATTCTGTGATGCCATGCGAAATGCTGGTATTGTTGGTGTACTGACATTAGATAATCAAGATCTCAATGGTAACTGGTATGATTTTCGGT									
											Section 151
Hepatitis B virus NC_003977.2	(14101)	14101	14110	14120	14130	14140	14150	14160	14170	14180	14194
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14101)	GATTTTCATACAAACCACGCCAGGTAGTGGAGTTTCCTGTTGTAGATTCTTATTATTCATTGTTAATGCCTATATTAACCTTGACCAGGGCTTTAA									
											Section 152
Hepatitis B virus NC_003977.2	(14195)	14195	14200	14210	14220	14230	14240	14250	14260	14270	14288
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14195)	CTGCAGAGTCACATGTTGACACTGACTTAACAAAGCCTTACATTAAGTGGGATTTGTTAAAATATGACTTCACGGAAGAGAGGTTAAAACCTCTT									
											Section 153
Hepatitis B virus NC_003977.2	(14289)	14289	14300	14310	14320	14330	14340	14350	14360	14370	14382
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14289)	TGACCGTTATTTTAAATATTGGGATCAGACATACCACCCAAATTGTGTTAACTGTTTGGATGACAGATGCATTCTGCATTGTGCAAACCTTTAAT									
											Section 154
Hepatitis B virus NC_003977.2	(14383)	14383	14390	14400	14410	14420	14430	14440	14450	14460	14476
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14383)	GTTTTATTCTCTACAGTGTTCCACCTACAAGTTTTGGACCACTAGTGAGAAAAATATTTGTTGATGGTGTTCCATTTGTAGTTTCAACTGGAT									

SARS-CoV-2 & Hepatitis B.apr

		Section 155									
Hepatitis B virus NC_003977.2	(14477)	14477	14490	14500	14510	14520	14530	14540	14550	14560	14570
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14477)	ACCACTTCAGAGAGCTAGGTGTTGTACATAATCAGGATGTAACTTACATAGCTCTAGACTTAGTTTTAAGGAATTACTTGTGTATGCTGCTGA									
		Section 156									
Hepatitis B virus NC_003977.2	(14571)	14571	14580	14590	14600	14610	14620	14630	14640	14650	14664
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14571)	CCCTGCTATGCACGCTGCTTCTGGTAATCTATTACTAGATAAACGCACTACGTGCTTTTCAGTAGCTGCACTTACTAACAATGTTGCTTTTCAA									
		Section 157									
Hepatitis B virus NC_003977.2	(14665)	14665	14670	14680	14690	14700	14710	14720	14730	14740	14758
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14665)	ACTGTCAAACCCGGTAATTTTAACAAAGACTTCTATGACTTTGCTGTGTCTAAGGGTTTCTTTAAGGAAGGAAGTTCTGTTGAATTAACACT									
		Section 158									
Hepatitis B virus NC_003977.2	(14759)	14759	14770	14780	14790	14800	14810	14820	14830	14840	14852
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14759)	TCTTCTTTGCTCAGGATGGTAATGCTGCTATCAGCGATTATGACTACTATCGTTATAATCTACCAACAATGTGTGATATCAGACAACACTACTATT									
		Section 159									
Hepatitis B virus NC_003977.2	(14853)	14853	14860	14870	14880	14890	14900	14910	14920	14930	14946
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14853)	TG TAGTTGAAGTTGTTGATAAGTACTTTGATTGTTACGATGGTGGCTGTATTAATGCTAACCAAGTCATCGTCAACAACCTAGACAAATCAGCT									
		Section 160									
Hepatitis B virus NC_003977.2	(14947)	14947	14960	14970	14980	14990	15000	15010	15020	15030	15040
	(1)	-----									
SARS-CoV-2 NC_045512.2	(14947)	GGTTTTCCATTTAATAAATGGGGTAAGGCTAGACTTTATTATGATTCAATGAGTTATGAGGATCAAGATGCACTTTTCGCATATACAAAACGTA									
		Section 161									
Hepatitis B virus NC_003977.2	(15041)	15041	15050	15060	15070	15080	15090	15100	15110	15120	15134
	(1)	-----									
SARS-CoV-2 NC_045512.2	(15041)	ATGTCATCCCTACTATAACTCAAATGAATCTTAAGTATGCCATTAGTGCAAAGAATAGAGCTCGCACCGTAGCTGGTGTCTCTATCTGTAGTAC									

SARS-CoV-2 & Hepatitis B.apr

		Section 162									
Hepatitis B virus NC_003977.2	(15135)	15135	15140	15150	15160	15170	15180	15190	15200	15210	15228
	(1)	-----									
SARS-CoV-2 NC_045512.2 (15135)		TATGACCAATAGACAGTTTCATCAAAAATTATTGAAATCAATAGCCGCCACTAGAGGAGCTACTGTAGTAATTGGAACAAGCAAATTCTATGGT									
		Section 163									
Hepatitis B virus NC_003977.2	(15229)	15229	15240	15250	15260	15270	15280	15290	15300	15310	15322
	(1)	-----									
SARS-CoV-2 NC_045512.2 (15229)		GGTTGGCACAAACATGTTAAAAACTGTTTATAGTGATGTAGAAAACCTCACCTTATGGGTTGGGATTATCCTAAATGTGATAGAGCCATGCCTA									
		Section 164									
Hepatitis B virus NC_003977.2	(15323)	15323	15330	15340	15350	15360	15370	15380	15390	15400	15416
	(1)	-----									
SARS-CoV-2 NC_045512.2 (15323)		ACATGCTTAGAATTATGGCCTCACTTGTTCTTGCTCGCAAACATACAACGTGTTGTAGCTTGTCACACCGTTTCTATAGATTAGCTAATGAGTG									
		Section 165									
Hepatitis B virus NC_003977.2	(15417)	15417	15430	15440	15450	15460	15470	15480	15490	15500	15510
	(1)	-----									
SARS-CoV-2 NC_045512.2 (15417)		TGCTCAAGTATTGAGTGAAATGGTCATGTGTGGCGGTTCACTATATGTTAAACCAGGTGGAACCTCATCAGGAGATGCCACAACCTGCTTATGCT									
		Section 166									
Hepatitis B virus NC_003977.2	(15511)	15511	15520	15530	15540	15550	15560	15570	15580	15590	15604
	(1)	-----									
SARS-CoV-2 NC_045512.2 (15511)		AATAGTGTTTTTAACATTTGTCAAGCTGTACACGGCCAATGTTAATGCACTTTTATCTACTGATGGTAACAAAATTGCCGATAAGTATGTCCGCA									
		Section 167									
Hepatitis B virus NC_003977.2	(15605)	15605	15610	15620	15630	15640	15650	15660	15670	15680	15698
	(1)	-----									
SARS-CoV-2 NC_045512.2 (15605)		ATTTACAACACAGACTTTTATGAGTGCTCTCTATAGAAATAGAGATGTTGACACAGACTTTGTGAATGAGTTTTACGCATATTTGCGTAAACATTT									
		Section 168									
Hepatitis B virus NC_003977.2	(15699)	15699	15710	15720	15730	15740	15750	15760	15770	15780	15792
	(1)	-----									
SARS-CoV-2 NC_045512.2 (15699)		CTCAATGATGATACTCTCTGACGATGCTGTTGTGTGTTTCAATAGCACTTATGCATCTCAAGGTCTAGTGGCTAGCATAAAGAAGCTTTAAGTCA									

SARS-CoV-2 & Hepatitis B.apr

Section 169											
(15793)		15793	15800	15810	15820	15830	15840	15850	15860	15870	15886
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(15793)	GTTCTTTATTATCAAAACAATGTTTTATGTCTGAAGCAAAATGTTGGACTGAGACTGACCTTACTAAAGGACCTCATGAATTTTGCTCTCAAC									
Section 170											
(15887)		15887	15900	15910	15920	15930	15940	15950	15960	15970	15980
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(15887)	ATACAATGCTAGTTAAACAGGGTGATGATTATGTGTACCTTCCTTACCCAGATCCATCAAGAATCCTAGGGGCCGGCTGTTTTGTAGATGATAT									
Section 171											
(15981)		15981	15990	16000	16010	16020	16030	16040	16050	16060	16074
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(15981)	CGTAAAAACAGATGGTACACTTATGATTGAACGGTTCGTGTCTTTAGCTATAGATGCTTACCCACTTACTAAACATCCTAATCAGGAGTATGCT									
Section 172											
(16075)		16075	16080	16090	16100	16110	16120	16130	16140	16150	16168
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(16075)	GATGTCTTTCATTTGTACTTACAATACATAAGAAAGCTACATGATGAGTTAACAGGACACATGTTAGACATGTATTCTGTTATGCTTACTAATG									
Section 173											
(16169)		16169	16180	16190	16200	16210	16220	16230	16240	16250	16262
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(16169)	ATAACACTTCAAGGTATTGGGAACCTGAGTTTTATGAGGCTATGTACACACCGCATAACAGTCTTACAGGCTGTTGGGGCTTGTGTTCTTTGCAA									
Section 174											
(16263)		16263	16270	16280	16290	16300	16310	16320	16330	16340	16356
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(16263)	TTCACAGACTTCATTAAGATGTGGTGCTTGCATACGTAGACCATTCTTATGTTGTAAATGCTGTTACGACCATGTCATATCAACATCACATAAA									
Section 175											
(16357)		16357	16370	16380	16390	16400	16410	16420	16430	16440	16450
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(16357)	TTAGTCTTGCTCTGTTAATCCGTATGTTTGCAATGCTCCAGGTTGTGATGTCACAGATGTGACTCAACTTTACTTAGGAGGTATGAGCTATTATT									

SARS-CoV-2 & Hepatitis B.apr

											Section 176
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(16451)	16451	16460	16470	16480	16490	16500	16510	16520	16530	16544
	(1)	-----									
	(16451)	GTAAATCACATAAAACCACCCATTAGTTTTCCATTGTGTGCTAATGGACAAGTTTTTGGTTTATATAAAAAATACATGTGTTGGTAGCGATAATGT									
											Section 177
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(16545)	16545	16550	16560	16570	16580	16590	16600	16610	16620	16638
	(1)	-----									
	(16545)	TACTGACTTTAATGCAATTGCAACATGTGACTGGACAAATGCTGGTGATTACATTTTAGCTAACACCTGTACTGAAAGACTCAAGCTTTTTTGCA									
											Section 178
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(16639)	16639	16650	16660	16670	16680	16690	16700	16710	16720	16732
	(1)	-----									
	(16639)	GCAGAAACGCTCAAAGCTACTGAGGAGACATTTAAACTGTCTTATGGTATTGCTACTGTACGTGAAGTGCTGTCTGACAGAGAATTACATCTTT									
											Section 179
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(16733)	16733	16740	16750	16760	16770	16780	16790	16800	16810	16826
	(1)	-----									
	(16733)	CATGGGAAGTTGGTAAACCTAGACCACCACTTAACCGAAATTATGTCTTTACTGGTTATCGTGTAACATAAAACAGTAAAGTACAAATAGGAGA									
											Section 180
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(16827)	16827	16840	16850	16860	16870	16880	16890	16900	16910	16920
	(1)	-----									
	(16827)	GTACACCTTTGAAAAAGGTGACTATGGTGATGCTGTTGTTTACCGAGGTACAACAACCTACAAATTAAATGTTGGTGATTATTTTGTGCTGACA									
											Section 181
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(16921)	16921	16930	16940	16950	16960	16970	16980	16990	17000	17014
	(1)	-----									
	(16921)	TCACATACAGTAATGCCATTAAAGTGCACCTACACTAGTGCCACAAGAGCACTATGTTAGAATTACTGGCTTATACCCAACACTCAATATCTCAG									
											Section 182
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(17015)	17015	17020	17030	17040	17050	17060	17070	17080	17090	17108
	(1)	-----									
	(17015)	ATGAGTTTTCTAGCAATGTTGCAAATTATCAAAAGGTTGGTATGCAAAAGTATTCTACACTCCAGGGACCACCTGGTACTGGTAAGAGTCATTT									

SARS-CoV-2 & Hepatitis B.apr

											Section 183
Hepatitis B virus NC_003977.2	(17109)	17109	17120	17130	17140	17150	17160	17170	17180	17190	17202
	(1)	-----									
SARS-CoV-2 NC_045512.2	(17109)	TGCTATTGGCCTAGCTCTCTACTACCCTTCTGCTCGCATAGTGTATACAGCTTGCTCTCATGCCGCTGTTGATGCACTATGTGAGAAGGCATTA									
											Section 184
Hepatitis B virus NC_003977.2	(17203)	17203	17210	17220	17230	17240	17250	17260	17270	17280	17296
	(1)	-----									
SARS-CoV-2 NC_045512.2	(17203)	AAATATTTGCCCTATAGATAAAATGTAGTAGAATTATACCTGCACGTGCTCGTGTAGAGTGTTTTGATAAAATTCAAAGTGAATTCAACATTAGAAC									
											Section 185
Hepatitis B virus NC_003977.2	(17297)	17297	17310	17320	17330	17340	17350	17360	17370	17380	17390
	(1)	-----									
SARS-CoV-2 NC_045512.2	(17297)	AGTATGTCTTTTGTACTGTAAATGCATTGCCTGAGACGACAGCAGATATAGTTGTCTTTGATGAAATTTCAATGGCCACAAATTATGATTTGAG									
											Section 186
Hepatitis B virus NC_003977.2	(17391)	17391	17400	17410	17420	17430	17440	17450	17460	17470	17484
	(1)	-----									
SARS-CoV-2 NC_045512.2	(17391)	TGTTGTCAATGCCAGATTACGTGCTAAGCACTATGTGTACATTGGCGACCCTGCTCAATTACCTGCACCACGCACATTGCTAACTAAGGGGCACA									
											Section 187
Hepatitis B virus NC_003977.2	(17485)	17485	17490	17500	17510	17520	17530	17540	17550	17560	17578
	(1)	-----									
SARS-CoV-2 NC_045512.2	(17485)	CTAGAACCAGAATATTTCAATTCAGTGTGTAGACTTATGAAAACATATAGGTCCAGACATGTTCCCTCGGAACCTTGTCGGCGTTGTCCTGCTGAAA									
											Section 188
Hepatitis B virus NC_003977.2	(17579)	17579	17590	17600	17610	17620	17630	17640	17650	17660	17672
	(1)	-----									
SARS-CoV-2 NC_045512.2	(17579)	TTGTTGACACTGTGAGTGCTTTGGTTTATGATAATAAGCTTAAAGCACATAAAGACAAATCAGCTCAATGCTTTAAAATGTTTTATAAGGGTGT									
											Section 189
Hepatitis B virus NC_003977.2	(17673)	17673	17680	17690	17700	17710	17720	17730	17740	17750	17766
	(1)	-----									
SARS-CoV-2 NC_045512.2	(17673)	TATCACGCATGATGTTTCATCTGCAATTAACAGGCCACAAATAGGCGTGGAAGAGAATTCCTTACACGTAACCCTGCTTGGAGAAAAGCTGTC									

SARS-CoV-2 & Hepatitis B.apr

		Section 190									
		(17767)	17767	17780	17790	17800	17810	17820	17830	17840	17850 17860
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(17767)	TTTATTTCACCTTATAATTACACAGAATGCTGTAGCCTCAAAGATTTTGGGACTACCAACTCAAAGTGTGATTTCATCACAGGGCTCAGAATATG									
		Section 191									
		(17861)	17861	17870	17880	17890	17900	17910	17920	17930	17940 17954
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(17861)	ACTATGTCATATTCACTCAAACCACTGAAACAGCTCACTCTTGTAATGTAAACAGATTTAATGTTGCTATTACCAGAGCAAAAGTAGGCATACT									
		Section 192									
		(17955)	17955	17960	17970	17980	17990	18000	18010	18020	18030 18048
Hepatitis B virus NC_003977.2	(1)	-----									
SARS-CoV-2 NC_045512.2	(17955)	TTGCATAATGTCTGATAGAGACCTTTATGACAAGTTGCAATTTACAAGTCTTGAAATTCACGTAGGAATGTGGCAATTTTACAAAGCTGAAAT									
		Section 193									
		(18049)	18049	18060	18070	18080	18090	18100	18110	18120	18130 18142
Hepatitis B virus NC_003977.2	(20)	AAACTCTGCAAGATCCCAGATGAGAGGCCTGTATTTCCTGCTGG--TGGCTCAGTTTCAGGAACAGTAAACCTGTGTCTGACTACTGCCT									
SARS-CoV-2 NC_045512.2	(18049)	GTAAACAGGACTCTTTAAAGATTGTAGT-AAGGTAAATCACTGGGTT--ACATCTTACAAGGC-AC--CTACACCTC-AGTGTGACACTAA									
		Section 194									
		(18143)	18143	18150	18160	18170	18180	18190	18200	18210	18220 18236
Hepatitis B virus NC_003977.2	(110)	CTCCCTTATCGTCAATCTTCTCGAGGA-TTGGGGACCTGCGCTGAACATGGAGAACATCACATCAGGATTCTTAGGACCCCTTCTCGTGTAC									
SARS-CoV-2 NC_045512.2	(18135)	ATTCAAAACT-----GAAGGTTTATGTGTGACATACTGACCTAAGGACATGACCTATAGAGACT-CATCTCTATGA--TGGGTTTA									
		Section 195									
		(18237)	18237	18250	18260	18270	18280	18290	18300	18310	18320 18330
Hepatitis B virus NC_003977.2	(203)	AGGCAGGGTTTTCGTTGTTGACAAGAAATCCTCA--CAATACCGCAGAGTCTAGACTCGTGGTGACTT--CTCTCA-ATTCTAGGGGAA									
SARS-CoV-2 NC_045512.2	(18221)	AAATGAATTA--TCAAGTTAATGGTTACCTAACAT-GTT-TATCACCCGCAGAGAAGCTATAAGACATGTACGTGCAATGGAATGGCTTCGATG									
		Section 196									
		(18331)	18331	18340	18350	18360	18370	18380	18390	18400	18410 18424
Hepatitis B virus NC_003977.2	(290)	CTACCGTGTGTCTTGGCCAAATTCGCAGTCCCCAACCTCAATCACTCACCAACCTCTTGTCTCAACTTTGTCTGGTTATCGCTGGATGTG									
SARS-CoV-2 NC_045512.2	(18311)	TCGAG--GGGTGTCATGTACTAGAGAGCTGTTGGTACCAATTT-----ACCTTACAGCTAGGTTTTCTACAGG-TGTTAACC---									

SARS-CoV-2 & Hepatitis B.apr

		Section 197																				
Hepatitis B virus NC_003977.2	(18425)	18425	18430		18440		18450		18460		18470		18480		18490		18500		18518			
	(384)	TCTGC	GGCGT	---	TTTATCAT	TCTTCCTCT	TTCA	TCTGCTGCTATGC	CTC	ATCTT	CTTGTT	GGT	TCTTC	TGGACT	ATCA	AGGTAT	TGTT	GCCCG	T			
SARS-CoV-2 NC_045512.2	(18389)	TAGTT	GCTGT	ACC	TACAGGT	TATGTTGA	TACAC	CTAATAATA---	CAG	ATT	TTTCCAGAG	GT	TAG---	TGCTAA	ACCA	CCGCC	TGGAGAT	CAAT				
		Section 198																				
Hepatitis B virus NC_003977.2	(18519)	18519		18530		18540		18550		18560		18570		18580		18590		18600		18612		
	(474)	TTGTC	CTTAAT	TCCAGGA	TCCCTC	AACA	AAAC	AGCAC	GGGACC	ATGCCG	GAC	CTGCATGACT	ACTG	CTCA	AGGAA	CCTC	TATGT	ATCC	CTCTGT			
SARS-CoV-2 NC_045512.2	(18476)	TTAAA	CACCTCAT	TACCACT	TATGT	ACA	AAAG	ACTT	CCTTGA	AT	GTA	GTCGTATAA	AGAT	TGTAC	----	AAATGT	TAGTGA	CACAC	----			
		Section 199																				
Hepatitis B virus NC_003977.2	(18613)	18613		18620		18630		18640		18650		18660		18670		18680		18690		18706		
	(568)	TGCTGTACC	AAA	CTTCGGAC	GGAA	ATTG	CACCT	TGTATT	CCCCAT	CCC	ATCAT	CTGTGG	GGTTTC	GGAAA	ATTCC	TATGGG	AGTGG	CCCTAG	ACCC			
SARS-CoV-2 NC_045512.2	(18560)	-TTAA----	AAAT	CTCTCTGAC	AG	TCTG	TATT	TGT	-----	CTT	ATGG	----	G	CACAT	GGCTTTGA	GTTGAC	ATCTAT	GAAGT	ATTTT			
		Section 200																				
Hepatitis B virus NC_003977.2	(18707)	18707		18720		18730		18740		18750		18760		18770		18780		18790		18800		
	(662)	GT	TTCTCCT	TGGCT	CAGTT	TTACTAG	TGC	ATTGTT	TCA	GTGGT	TTCGTAG	GGCT	TTTCC	CCACTG	TTGGCT	TTCAG	TTA	TATG	GATGAT	TGGTA		
SARS-CoV-2 NC_045512.2	(18634)	GT	GAAAA	-TAG	GAC	--CT	GAGCGCAC	CTG	TTGTC	TAT	GTGAT	TAGAC	GTCC	CACATG	CTTTTCC	ACTG	CTT	CAGAC	ACTTATG	CC-----TG		
		Section 201																				
Hepatitis B virus NC_003977.2	(18801)	18801		18810		18820		18830		18840		18850		18860		18870		18880		18894		
	(756)	TTGG	GGGCCA	AGTCT	GTACAG	CATCT	TGAG	TCCT	TTTT	TACCG	TGTT	ACCA	ATT	TTCTTT	TGCTTT	GGGTAT	ACATT	TAAAC	--CCT	AACAA		
SARS-CoV-2 NC_045512.2	(18717)	TTGG	C-AT-C	ATTCT	ATTGG	ATTG	ATTAC	GTCTAT	TAATC	CGTT	TATGA	TTGAT	GTTCA	CAAT	TGGGG	TTTAC	AGG--	TAA	CTACAA	AGCAA		
		Section 202																				
Hepatitis B virus NC_003977.2	(18895)	18895	18900		18910		18920		18930		18940		18950		18960		18970		18988			
	(848)	AACAA	AGAGAT	TGGG	GTACTCT	CTAAAT	TTTTAT	TGGGTT	ATGT	CAT	TGGAT	TGT	TATGG	GTCT	TGCT	CAACA	GAACAC	ATCAT	TACAA	AAAAT	CAAAA	
SARS-CoV-2 NC_045512.2	(18807)	CCATG	ATCTGT	TATT	GTCA	AGTC	CATGG	TAA	TG--CAC	ATGT	AGCTAG	TAGT	TGTG	ATGCA	ATCAT	GATAG	CTAGG	TGCTA	A-GCT	TGTCC	ACGAG	TGCT
		Section 203																				
Hepatitis B virus NC_003977.2	(18989)	18989		19000		19010		19020		19030		19040		19050		19060		19070		19082		
	(942)	GAA	T--GTTT	TAGAA	ACTTC	CTATT	AACAGG	CCTAT	TGAT	TGG	-AAAGTA	TGTC	ACG	AAT	TGT	GGG	TCTTTT	TGG	GTT	TTGCTGC	CCCTT	TTA
SARS-CoV-2 NC_045512.2	(18896)	TTGT	TAAAGCGT	GTTGA	CTGGA	CTATT	GAAATAT	CCTAT	AAAT	TG	TGTG	ATGAAC	TGA	AGA	TTAAT	GCGG	CTTGT	TAGAAAG	G	-TTCA	ACACAT	GTTG

SARS-CoV-2 & Hepatitis B.apr

												Section 204
Hepatitis B virus NC_003977.2 (1033)	(19083)	19083	19090	19100	19110	19120	19130	19140	19150	19160	19176	
		CACAAATGTTATCCTGCGTTGATGCCTTTGTATGCATGTATTCAATCTAAGCAGGCTTTTACATTCTCTCGCCAACTTACAAGGCCTTTCTGTG										
SARS-CoV-2 NC_045512.2 (18989)												
												Section 205
Hepatitis B virus NC_003977.2 (1177)	(19177)	19177	19190	19200	19210	19220	19230	19240	19250	19260	19270	
		TAAACAAATACCAGACCTTTACCGCCGTGCCCCGGCAACGGCAGGCTGTGTGCCAAGTGT-TGCTGACGCAACCCCCACTGGC-TGGGGCCTTG										
SARS-CoV-2 NC_045512.2 (19081)												
												Section 206
Hepatitis B virus NC_003977.2 (1218)	(19271)	19271	19280	19290	19300	19310	19320	19330	19340	19350	19364	
		GTCATGGGCCATCAGCGCATGCGTGGAAACCTTTTCGGCTCCTCTGCCGATCCATACGCGGAACTC-CTAG----CGCTTGT-----TTT										
SARS-CoV-2 NC_045512.2 (19155)												
												Section 207
Hepatitis B virus NC_003977.2 (1299)	(19365)	19365	19370	19380	19390	19400	19410	19420	19430	19440	19458	
		GCTCGCAGCAGGTCGAGCAAAACATTTATCGGGACTGATAACTCTGTTGTTCCTATCCGCAAAATATACATCGTTTCCATGGCTGCT-AGGCTGT										
SARS-CoV-2 NC_045512.2 (19242)												
												Section 208
Hepatitis B virus NC_003977.2 (1392)	(19459)	19459	19470	19480	19490	19500	19510	19520	19530	19540	19552	
		GCTGCC-----AA-CTGGATCCTGCGCGGGACGTCTTTGT--TTACGTCCTGCGCTGAATCTGCGGACGACCTTCTCGGGGTCGCTT										
SARS-CoV-2 NC_045512.2 (19326)												
												Section 209
Hepatitis B virus NC_003977.2 (1478)	(19553)	19553	19560	19570	19580	19590	19600	19610	19620	19630	19646	
		GGGACTCTCTCGTCCCCCTCTCCGTCTGCGGTCCGACGACACCGGGGCGCAC----CTCTCTTTACGCGGACTCCCCTGTCTGTGCCTTCTCA										
SARS-CoV-2 NC_045512.2 (19417)												
												Section 210
Hepatitis B virus NC_003977.2 (1568)	(19647)	19647	19660	19670	19680	19690	19700	19710	19720	19730	19740	
		TCGCGGACCGTGTGCACTTCG----CTTCACCTCTGCAACGTCGCAAGGAGACCAACGTGAACGCCCACCA----AATATTGCTCAAGGTCTT										
SARS-CoV-2 NC_045512.2 (19504)												

SARS-CoV-2 & Hepatitis B.apr

												Section 211																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
												19741	19750	19760	19770	19780	19790	19800	19810	19820	19834																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Hepatitis B virus NC_003977.2	(1654)	ACATAAGAGGACTCTTGGACTCTCAGCAATGTTCACGACCGACCTTGAGGCATACATTC											AAA	GA	CT	GTT	----	TGTT	TAA	AAG	ACT	GGG	AG	GAGT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
SARS-CoV-2 NC_045512.2	(19596)	-CTGGA-A-CACTTTTACAGA											CT	T	CAG	AG	TT	TAG	A--	AAT	GT	GG	CTTT	TAA	T	GT	T	GT	AAA	T	AAG	GG	AC	ACT	GGG	T	GA	AGT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
												Section 212																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
												19835	19840	19850	19860	19870	19880	19890	19900	19910	19928																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Hepatitis B virus NC_003977.2	(1743)	TGGGGGA--GGAGATTAGGTTAAAGGTC											TTTT	GT	A----	CTAG	GA	GG	CT	G	TAG	G	CA	TAA	AT	TG	GT	CT	TG	CG	C	ACC	AG	C	ACC	AT	GC	AA	CTTT	T	T	T	C	A	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
SARS-CoV-2 NC_045512.2	(19686)	ACCA											G	TT	T	C	T	A	T	C	A	T	T	A	A	G	T	T	G	A	T	T	G	T	T	G	A	A	A	A	C	A	C	A	T	T	A	C	T	T	G	T	T	A	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
												Section 213																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
												19929	19940	19950	19960	19970	19980	19990	20000	20010	20022																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Hepatitis B virus NC_003977.2	(1831)	CTCTGCCTAATCATCTCTTGTTCATGTCC-T											ACT	G	T	T	---	CA	AG	C	T	CC	A	AG	---	CT	G	T	G	C	T	T	G	G	G	T	G	G	C	T	T	T	G	G	G	C	A	T	G	C	A	C	C	C	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
SARS-CoV-2 NC_045512.2	(19776)	TGTA											G	--	C	A	T	T	G	A	G	C	T	T	G	G	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T	A	A	G	C	T

SARS-CoV-2 & Hepatitis B.apr

										Section 218
Hepatitis B virus NC_003977.2 (20399)	20399	20410	20420	20430	20440	20450	20460	20470	20480	20492
SARS-CoV-2 NC_045512.2 (2285)	CTCCTCCAGCTTATAGACCACCAATGCCCTATCCTATCAAC--ACTTCGGAGACTACTGTTGTTAGACGACGAGGCAGGTCCCTAGAA									
										Section 219
Hepatitis B virus NC_003977.2 (20493)	20493	20500	20510	20520	20530	20540	20550	20560	20570	20586
SARS-CoV-2 NC_045512.2 (2376)	AAGAACGCCCGCGCCCGCAGACGAGGTCCTAATCGCCGCGTTCGC-AGAGAGATCTCAATCTCGGGAATCTCAA									
										Section 220
Hepatitis B virus NC_003977.2 (20587)	20587	20600	20610	20620	20630	20640	20650	20660	20670	20680
SARS-CoV-2 NC_045512.2 (2467)	TCATAAGGTGGGAACTTACTGGGCTTTATTCCTTCTACTGTACCTGCTTTTAAATCCTCAT									
										Section 221
Hepatitis B virus NC_003977.2 (20681)	20681	20690	20700	20710	20720	20730	20740	20750	20760	20774
SARS-CoV-2 NC_045512.2 (2560)	ACACCAAGAATTATCAAAAAT--GTGAACAATTGTAGGCCCACTCAACAGTTAATGAGAAAAGAAGATTGCAAT									
										Section 222
Hepatitis B virus NC_003977.2 (20775)	20775	20780	20790	20800	20810	20820	20830	20840	20850	20868
SARS-CoV-2 NC_045512.2 (2652)	TTTATCCAAAGGTAT--CCTAAATATTACCATTTGGATTAGGGTATTAAACCTTTATTATCCAGAACATCTAGTT									
										Section 223
Hepatitis B virus NC_003977.2 (20869)	20869	20880	20890	20900	20910	20920	20930	20940	20950	20962
SARS-CoV-2 NC_045512.2 (2743)	ACACTATTATCACTCTATGGAGGCGGGTATATTATATAAGAGAGAAAACAACAATAGCGCTCATTTTGTGGGT									
										Section 224
Hepatitis B virus NC_003977.2 (20963)	20963	20970	20980	20990	21000	21010	21020	21030	21040	21056
SARS-CoV-2 NC_045512.2 (2837)	CAAGATCTACAGCATGGGCGCAGAACTTTCCACCAGCAATCCCTCGGGAATTCCTTTCCCGACC-ACCAGT									

SARS-CoV-2 & Hepatitis B.apr

											Section 225
Hepatitis B virus NC_003977.2 (2930)	(21057)	21057	21070	21080	21090	21100	21110	21120	21130	21140	21150
		C G C A A A T C C A G A T T G G G A C T T C A -- A T C C C A A C A A G G A C A C C T G G C C A G A C G C C A A C A A G G T A G G A G C T G G A G C A T T C G G G C T G G G T T T C A C C C									
SARS-CoV-2 NC_045512.2 (20768)		C T A A A G G C - A T A A T G A T G A A T -- G T C G C -- A A - A A T A T A C T C A A C T G T G T C A A T A T T T A A A C A C A T T A A C A T T A G C T G T A C C C T A T A A T A T G A G									
											Section 226
Hepatitis B virus NC_003977.2 (3022)	(21151)	21151	21160	21170	21180	21190	21200	21210	21220	21230	21244
		C A C C G C A C G G A G G C C T T T T G G G G T G G A G C C C T C A G G C T - C A G G G C A T A C T A C A A A C T T T G C C A G C A A A T C C G C C T C C T G C C T C C A C C A A T C G C C									
SARS-CoV-2 NC_045512.2 (20856)		A G T T A T A C A T T T T G G T G C T G - G T T C T G A T A A A G G A G T T G C A C C A G G T A C A G C T G --- T - T T T A A G A C A G T G G T T G C C T A C G --- G G T A C G C T G C T									
											Section 227
Hepatitis B virus NC_003977.2 (3115)	(21245)	21245	21250	21260	21270	21280	21290	21300	21310	21320	21338
		A G T C A G G A A G G C A G C C T A C C C C G C T G T C T C C A C C T T T G A G A A A C A C T C A T C C T C A G G C C A T G C A G T G G -----									
SARS-CoV-2 NC_045512.2 (20943)		T G T C G A T T C A G A T C T T A A T G A C T T ----- T G T C T C T G A T G C A G A T T C A A C T T T G A T T G G T G A T T G T G C A A C T G T A C A T A C A G C T A A T A A A T G G									
											Section 228
Hepatitis B virus NC_003977.2 (3183)	(21339)	21339	21350	21360	21370	21380	21390	21400	21410	21420	21432

SARS-CoV-2 NC_045512.2 (21031)		G A T C T C A T T A T T A G T G A T A T G T A C G A C C C T A A G A C T A A A A A T G T T A C A A A A G A A A A T G A C T C T A A A G A G G G T T T T T T C A C T T A C A T T T G T G G G T									
											Section 229
Hepatitis B virus NC_003977.2 (3183)	(21433)	21433	21440	21450	21460	21470	21480	21490	21500	21510	21526

SARS-CoV-2 NC_045512.2 (21125)		T T A T A C A A C A A A A G C T A G C T C T T G G A G G T T C C G T G G C T A T A A A G A T A A C A G A A C A T T C T T G G A A T G C T G A T C T T T A T A A G C T C A T G G G A C A C T T									
											Section 230
Hepatitis B virus NC_003977.2 (3183)	(21527)	21527	21540	21550	21560	21570	21580	21590	21600	21610	21620

SARS-CoV-2 NC_045512.2 (21219)		C G C A T G G T G G A C A G C C T T T G T T A C T A A T G T G A A T G C G T C A T C A T C T G A A G C A T T T T T A A T T G G A T G T A A T T A T C T T G G C A A A C C A C G C G A A C A A									
											Section 231
Hepatitis B virus NC_003977.2 (3183)	(21621)	21621	21630	21640	21650	21660	21670	21680	21690	21700	21714

SARS-CoV-2 NC_045512.2 (21313)		A T A G A T G G T T A T G T C A T G C A T G C A A A T T A C A T A T T T T G G A G G A A T A C A A A T C C A A T T C A G T T G T C T T C C T A T T C T T T A T T T G A C A T G A G T A A A T									

SARS-CoV-2 & Hepatitis B.apr

											Section 232
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(21715) (3183)	21715	21720	21730	21740	21750	21760	21770	21780	21790	21808
	(21407)	TTCCCCCTTAAATTAAGGGGTACTGCTGTTATGTCTTTAAAAGAAGGTCAAATCAATGATATGATTTTATCTCTTCTTAGTAAAGGTAGACTTAT									
											Section 233
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(21809) (3183)	21809	21820	21830	21840	21850	21860	21870	21880	21890	21902
	(21501)	AATTAGAGAAAACAACAGAGTTGTTATTTCTAGTGATGTTCTTGTTAACAACATAAACGAACAATGTTTGTTTTCTTGTTTTATTGCCACTAGT									
											Section 234
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(21903) (3183)	21903	21910	21920	21930	21940	21950	21960	21970	21980	21996
	(21595)	CTCTAGTCAGTGTGTTAATCTTACAACCAGAACTCAATTACCCCCTGCATACACTAATTCTTTTCACACGTGGTGTTTATTACCCTGACAAAGTT									
											Section 235
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(21997) (3183)	21997	22010	22020	22030	22040	22050	22060	22070	22080	22090
	(21689)	TTCAGATCCTCAGTTTTACATTCAACTCAGGACTTGTTCTTACCTTTCTTTTCCAATGTTACTTGTTTCCATGCTATACATGTCTCTGGGACCA									
											Section 236
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22091) (3183)	22091	22100	22110	22120	22130	22140	22150	22160	22170	22184
	(21783)	ATGGTACTAAGAGGTTTGATAACCCTGTCTTACCATTTAATGATGGTGTTTATTTTGCTTCCACTGAGAAGTCTAACATAATAAGAGGCTGGAT									
											Section 237
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22185) (3183)	22185	22190	22200	22210	22220	22230	22240	22250	22260	22278
	(21877)	TTTTGGTACTACTTTAGATTTCGAAGACCCAGTCCCTACTTATTGTTAATAACGCTACTAATGTTGTTATTAAAGTCTGTGAATTTCAATTTTGT									
											Section 238
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22279) (3183)	22279	22290	22300	22310	22320	22330	22340	22350	22360	22372
	(21971)	AATGATCCATTTTTGGGTGTTTATTACCACAAAAACAACAAAAGTTGGATGGAAAGTGAGTTCAGAGTTTATTCTAGTGCGAATAATTGCACCTT									

SARS-CoV-2 & Hepatitis B.apr

											Section 239
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22373)	22373	22380	22390	22400	22410	22420	22430	22440	22450	22466
	(3183)	-----									
TTGAATATGTCTCTCAGCCTTTTCTTATGGACCTTGAAGGAAAACAGGGTAATTTCAAAAATCTTAGGGAATTTGTGTTTAAGAATATTGATGG											
											Section 240
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22467)	22467	22480	22490	22500	22510	22520	22530	22540	22550	22560
	(3183)	-----									
TTATTTTAAAAATATATTCTAAGCACACGCCTATTAATTTAGTGCGTGATCTCCCTCAGGGTTTTTCGGCTTTAGAACCATTGGTAGATTTGCCA											
											Section 241
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22561)	22561	22570	22580	22590	22600	22610	22620	22630	22640	22654
	(3183)	-----									
ATAGGTATTAACATCACTAGGTTTCAAACCTTTACTTGCTTTACATAGAAGTTATTTGACTCCTGGTGATTCTTCTTCAGGTTGGACAGCTGGTG											
											Section 242
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22655)	22655	22660	22670	22680	22690	22700	22710	22720	22730	22748
	(3183)	-----									
CTGCAGCTTATTATGTGGGTTATCTTCAACCTAGGACTTTTCTATTAAAATATAATGAAAATGGAACCATTACAGATGCTGTAGACTGTGCACT											
											Section 243
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22749)	22749	22760	22770	22780	22790	22800	22810	22820	22830	22842
	(3183)	-----									
TGACCCTCTCTCAGAAACAAAGTGACGTTGAAATCCTTCACTGTAGAAAAAGGAATCTATCAAACCTTCTAACTTTAGAGTCCAACCAACAGAA											
											Section 244
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22843)	22843	22850	22860	22870	22880	22890	22900	22910	22920	22936
	(3183)	-----									
TCTATTGTTAGATTTTCTAATATTACAAACTTGTGCCCTTTTGGTGAAGTTTTTAACGCCACCAGATTTGCATCTGTTTATGCTTGGAACAGGA											
											Section 245
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(22937)	22937	22950	22960	22970	22980	22990	23000	23010	23020	23030
	(3183)	-----									
AGAGAATCAGCAACTGTGTTGCTGATTATTCTGTCTATATAATTCCGCATCATTTTCCACTTTTAAGTGTTATGGAGTGTCTCCTACTAAATT											

SARS-CoV-2 & Hepatitis B.apr

											Section 246
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23031)	23031	23040	23050	23060	23070	23080	23090	23100	23110	23124
	(3183)	-----									
AAATGATCTCTGCTTTACTAATGTCTATGCAGATTCATTTGTAATTAGAGGTGATGAAGTCAGACAAATCGCTCCAGGGCAAAC TGGAAAGATT											
											Section 247
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23125)	23125	23130	23140	23150	23160	23170	23180	23190	23200	23218
	(3183)	-----									
GCTGATTATAATTATAAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCTTGATTCTAAGGTTGGTGGTAATTATA											
											Section 248
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23219)	23219	23230	23240	23250	23260	23270	23280	23290	23300	23312
	(3183)	-----									
ATTACCTGTATAGATTGTTTAGGAAGTCTAATCTCAAACCTTTTGAGAGAGATATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTA											
											Section 249
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23313)	23313	23320	23330	23340	23350	23360	23370	23380	23390	23406
	(3183)	-----									
TGGTGTTGAAGGTTTTAATTGTTACTTTCCTTTACAATCATATGGTTTCCAACCCACTAATGGTGTTGGTTACCAACCATACAGAGTAGTAGTA											
											Section 250
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23407)	23407	23420	23430	23440	23450	23460	23470	23480	23490	23500
	(3183)	-----									
CTTTCTTTTGAACCTTCTACATGCACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCA											
											Section 251
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23501)	23501	23510	23520	23530	23540	23550	23560	23570	23580	23594
	(3183)	-----									
ATGGTTTAAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTCTGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATGC											
											Section 252
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23595)	23595	23600	23610	23620	23630	23640	23650	23660	23670	23688
	(3183)	-----									
TGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTCAGTGTTATAACACCAGGAACAATACTTCTAAC											

SARS-CoV-2 & Hepatitis B.apr

											Section 253
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23689) (3183)	23689	23700	23710	23720	23730	23740	23750	23760	23770	23782
	(23381)	CAGGTTGCTGTTCTTTATCAGGATGTTAACTGCACAGAAGTCCCTGTTGCTATTCATGCAGATCAACTTACTCCTACTTGGCGTGTTTATTCTA									
											Section 254
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23783) (3183)	23783	23790	23800	23810	23820	23830	23840	23850	23860	23876
	(23475)	CAGGTTCTAATGTTTTTCAAACACGTGCAGGCTGTTTAATAGGGGCTGAACATGTCAACAACATCATATGAGTGTGACATACCCATTGGTGCAGG									
											Section 255
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23877) (3183)	23877	23890	23900	23910	23920	23930	23940	23950	23960	23970
	(23569)	TATATGCGCTAGTTATCAGACTCAGACTAATTCTCCTCGGCGGGCACGTAGTGTAGCTAGTCAATCCATCATTGCCTACACTATGTCACCTGGT									
											Section 256
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(23971) (3183)	23971	23980	23990	24000	24010	24020	24030	24040	24050	24064
	(23663)	GCAGAAAATTCAGTTGCTTACTCTAATAACTCTATTGCCATACCCACAAATTTTACTATTAGTGTACCACAGAAATTCTACCAGTGTCTATGA									
											Section 257
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(24065) (3183)	24065	24070	24080	24090	24100	24110	24120	24130	24140	24158
	(23757)	CCAAGACATCAGTAGATTGTACAATGTACATTTGTGGTGATTCAACTGAATGCAGCAATCTTTTGTTGCAATATGGCAGTTTTTGTACACAATT									
											Section 258
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(24159) (3183)	24159	24170	24180	24190	24200	24210	24220	24230	24240	24252
	(23851)	AAACCGTGCTTTAACTGGAATAGCTGTTGAACAAGACAAAAACACCCAAGAAGTTTTTGCACAAGTCAAACAAATTTACAAAACACCACCAATT									
											Section 259
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(24253) (3183)	24253	24260	24270	24280	24290	24300	24310	24320	24330	24346
	(23945)	AAAGATTTTGGTGGTTTTAATTTTTTCACAAATATTACCAGATCCATCAAAACCAAGCAAGAGGTCATTTATTGAAGATCTACTTTTCAACAAAG									

SARS-CoV-2 & Hepatitis B.apr

										Section 260	
Hepatitis B virus NC_003977.2 (24347) (3183)	24347	24360	24370	24380	24390	24400	24410	24420	24430	24440	

SARS-CoV-2 NC_045512.2 (24039)	TGACACTTGCAGATGCTGGCTTCATCAAACAATATGGTGATTGCCTTGGTGATATTGCTGCTAGAGACCTCATTGTGCACAAAAGTTTAACGG										
										Section 261	
Hepatitis B virus NC_003977.2 (24441) (3183)	24441	24450	24460	24470	24480	24490	24500	24510	24520	24534	

SARS-CoV-2 NC_045512.2 (24133)	CCTTACTGTTTTGCCACCTTTGCTCACAGATGAAATGATTGCTCAATACACTTCTGCACTGTTAGCGGGTACAATCACTTCTGGTTGGACCTTT										
										Section 262	
Hepatitis B virus NC_003977.2 (24535) (3183)	24535	24540	24550	24560	24570	24580	24590	24600	24610	24628	

SARS-CoV-2 NC_045512.2 (24227)	GGTGCAGGTGCTGCATTACAAATACCATTGCTATGCAAATGGCTTATAGGTTTAAATGGTATTGGAGTTACACAGAATGTTCTCTATGAGAACC										
										Section 263	
Hepatitis B virus NC_003977.2 (24629) (3183)	24629	24640	24650	24660	24670	24680	24690	24700	24710	24722	

SARS-CoV-2 NC_045512.2 (24321)	AAAAATTGATTGCCAACCAATTTAATAGTGCTATTGGCAAAATTCAGACTCACTTTCTTCCACAGCAAGTGCACCTTGAAAACTTCAAGATGT										
										Section 264	
Hepatitis B virus NC_003977.2 (24723) (3183)	24723	24730	24740	24750	24760	24770	24780	24790	24800	24816	

SARS-CoV-2 NC_045512.2 (24415)	GGTCAACCAAAATGCACAAGCTTTAAACACGCTTGTTAAACAACCTAGCTCCAATTTTGGTGCAATTTCAAGTGTTTTAAATGATATCCTTTCA										
										Section 265	
Hepatitis B virus NC_003977.2 (24817) (3183)	24817	24830	24840	24850	24860	24870	24880	24890	24900	24910	

SARS-CoV-2 NC_045512.2 (24509)	CGTCTTGACAAAGTTGAGGCTGAAGTGCAAATTGATAGGTTGATCACAGGCAGACTTCAAAGTTTGCAGACATATGTGACTCAACAATTAATTA										
										Section 266	
Hepatitis B virus NC_003977.2 (24911) (3183)	24911	24920	24930	24940	24950	24960	24970	24980	24990	25004	

SARS-CoV-2 NC_045512.2 (24603)	GAGCTGCAGAAATCAGAGCTTCTGCTAATCTTGCTGCTACTAAAATGTCAGAGTGTTGACTTGGACAATCAAAAAGAGTTGATTTTTGTGGAAA										

SARS-CoV-2 & Hepatitis B.apr

											Section 267
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25005) (3183)	25005	25010	25020	25030	25040	25050	25060	25070	25080	25098
	(24697)	GGGCTATCATCTTATGTCCTTCCCTCAGTCAGCACCTCATGGTGTAGTCTTCTTGTCATGTGACTTATGTCCCTGCACAAGAAAAGAACTTCACA									
											Section 268
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25099) (3183)	25099	25110	25120	25130	25140	25150	25160	25170	25180	25192
	(24791)	ACTGCTCCTGCCATTTGTCATGATGGAAAAGCACACTTTCCTCGTGAAGGTGTCTTTGTTTCAAATGGCACACACTGGTTTGTAACACAAAGGA									
											Section 269
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25193) (3183)	25193	25200	25210	25220	25230	25240	25250	25260	25270	25286
	(24885)	ATTTTTATGAACCACAAATCATTACTACAGACAACACATTTGTGTCTGGTAACTGTGATGTTGTAATAGGAATTGTCAACAACACAGTTTATGA									
											Section 270
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25287) (3183)	25287	25300	25310	25320	25330	25340	25350	25360	25370	25380
	(24979)	TCCTTTGCAACCTGAATTAGACTCATTCAAGGAGGAGTTAGATAAATATTTTAAGAATCATAACATCACCAGATGTTGATTTAGGTGACATCTCT									
											Section 271
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25381) (3183)	25381	25390	25400	25410	25420	25430	25440	25450	25460	25474
	(25073)	GGCATTAATGCTTCAGTTGTAAACATTCAAAAAGAAATTGACCGCCTCAATGAGGTTGCCAAGAATTTAAATGAATCTCTCATCGATCTCCAAG									
											Section 272
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25475) (3183)	25475	25480	25490	25500	25510	25520	25530	25540	25550	25568
	(25167)	AACTTGGAAGTATGAGCAGTATATAAAATGGCCATGGTACATTTGGCTAGGTTTTATAGCTGGCTTGATTGCCATAGTAATGGTGACAATTAT									
											Section 273
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25569) (3183)	25569	25580	25590	25600	25610	25620	25630	25640	25650	25662
	(25261)	GCTTTGCTGTATGACCAGTTGCTGTAGTTGTCTCAAGGGCTGTTGTTCTTGTGGATCCTGCTGCAAATTTGATGAAGACGACTCTGAGCCAGTG									

SARS-CoV-2 & Hepatitis B.apr

											Section 274
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25663) (3183)	<u>25663</u>	<u>25670</u>	<u>25680</u>	<u>25690</u>	<u>25700</u>	<u>25710</u>	<u>25720</u>	<u>25730</u>	<u>25740</u>	<u>25756</u>
	(25355)	CTCAAAGGAGTCAAATTACATTACACATAAACGAACCTTATGGATTTGTTTATGAGAATCTTCACAATTGGAACCTGTAACCTTTGAAGCAAGGTGA									
											Section 275
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25757) (3183)	<u>25757</u>	<u>25770</u>	<u>25780</u>	<u>25790</u>	<u>25800</u>	<u>25810</u>	<u>25820</u>	<u>25830</u>	<u>25840</u>	<u>25850</u>
	(25449)	AATCAAGGATGCTACTCCTTCAGATTTTGTTCGCGCTACTGCAACGATACCGATACAAGCCTCACTCCCTTTTCGGATGGCTTATTGTTGGCGTT									
											Section 276
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25851) (3183)	<u>25851</u>	<u>25860</u>	<u>25870</u>	<u>25880</u>	<u>25890</u>	<u>25900</u>	<u>25910</u>	<u>25920</u>	<u>25930</u>	<u>25944</u>
	(25543)	GCACTTCTTGCTGTTTTTCAGAGCGCTTCCAAAATCATAAACCTCAAAAAGAGATGGCAACTAGCACTCTCCAAGGGTGTTCACTTTGTTTGCA									
											Section 277
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(25945) (3183)	<u>25945</u>	<u>25950</u>	<u>25960</u>	<u>25970</u>	<u>25980</u>	<u>25990</u>	<u>26000</u>	<u>26010</u>	<u>26020</u>	<u>26038</u>
	(25637)	ACTTGCTGTTGTTGTTTGTAACAGTTTACTCACACCTTTTGCTCGTTGCTGCTGGCCTTGAAGCCCCCTTTCTCTATCTTTATGCTTTAGTCTA									
											Section 278
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(26039) (3183)	<u>26039</u>	<u>26050</u>	<u>26060</u>	<u>26070</u>	<u>26080</u>	<u>26090</u>	<u>26100</u>	<u>26110</u>	<u>26120</u>	<u>26132</u>
	(25731)	CTTCTTGCGAGGTATAAACTTTGTAAGAATAATAATGAGGCTTTGGCTTTGCTGGAAATGCCGTTCCAAAACCCATTACTTTATGATGCCAAC									
											Section 279
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(26133) (3183)	<u>26133</u>	<u>26140</u>	<u>26150</u>	<u>26160</u>	<u>26170</u>	<u>26180</u>	<u>26190</u>	<u>26200</u>	<u>26210</u>	<u>26226</u>
	(25825)	TATTTTCTTTGCTGGCATACTAATTGTTACGACTATTGTATACCTTACAATAGTGTAACCTTCTTCAATTGTCATTACTTCAGGTGATGGCACAA									
											Section 280
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(26227) (3183)	<u>26227</u>	<u>26240</u>	<u>26250</u>	<u>26260</u>	<u>26270</u>	<u>26280</u>	<u>26290</u>	<u>26300</u>	<u>26310</u>	<u>26320</u>
	(25919)	CAAGTCCTATTTCTGAACATGACTACCAGATTGGTGGTTATACTGAAAAATGGGAATCTGGAGTAAAAGACTGTGTTGTATTACACAGTTACTT									

SARS-CoV-2 & Hepatitis B.apr

											Section 281
Hepatitis B virus NC_003977.2 (3183)	(26321)	26321	26330	26340	26350	26360	26370	26380	26390	26400	26414
	SARS-CoV-2 NC_045512.2 (26013)	CACTTCAGACTATTACCAGCTGTACTCAACTCAATTGAGTACAGACACTGGTGTGTAACATGTTACCTTCTTCATCTACAATAAAATTGTTGAT									
											Section 282
Hepatitis B virus NC_003977.2 (3183)	(26415)	26415	26420	26430	26440	26450	26460	26470	26480	26490	26508
	SARS-CoV-2 NC_045512.2 (26107)	GAGCCTGAAGAACATGTCCAAATTCACACAATCGACGGTTCATCCGGAGTTGTTAATCCAGTAATGGAACCAATTTATGATGAACCGACGACGA									
											Section 283
Hepatitis B virus NC_003977.2 (3183)	(26509)	26509	26520	26530	26540	26550	26560	26570	26580	26590	26602
	SARS-CoV-2 NC_045512.2 (26201)	CTACTAGCGTGCCTTTGTAAGCACAAAGCTGATGAGTACGAACTTATGTACTCATTCGTTTCGGAAGAGACAGGTACGTTAATAGTTAATAGCGT									
											Section 284
Hepatitis B virus NC_003977.2 (3183)	(26603)	26603	26610	26620	26630	26640	26650	26660	26670	26680	26696
	SARS-CoV-2 NC_045512.2 (26295)	ACTTCTTTTTCTTGCTTTTCGTGGTATTCTTGCTAGTTACACTAGCCATCCTTACTGCGCTTCGATTGTGTGCGTACTGCTGCAATATTGTTAAC									
											Section 285
Hepatitis B virus NC_003977.2 (3183)	(26697)	26697	26710	26720	26730	26740	26750	26760	26770	26780	26790
	SARS-CoV-2 NC_045512.2 (26389)	GTGAGTCTTGTAACCTTCTTTTTTACGTTTACTCTCGTGTTAAAAATCTGAATTCTTCTAGAGTTCTGATCTTCTGGTCTAAACGAACTAAA									
											Section 286
Hepatitis B virus NC_003977.2 (3183)	(26791)	26791	26800	26810	26820	26830	26840	26850	26860	26870	26884
	SARS-CoV-2 NC_045512.2 (26483)	TATTATATTAGTTTTTCTGTTTGGAACCTTAATTTTAGCCATGGCAGATTCCAACGGTACTATTACCGTTGAAGAGCTTAAAAAGCTCCTTGAA									
											Section 287
Hepatitis B virus NC_003977.2 (3183)	(26885)	26885	26890	26900	26910	26920	26930	26940	26950	26960	26978
	SARS-CoV-2 NC_045512.2 (26577)	CAATGGAACCTAGTAATAGGTTTCCTATTCTTACATGGATTTGTCTTCTACAATTTGCCTATGCCAACAGGAATAGGTTTTTGTATATAATTA									

SARS-CoV-2 & Hepatitis B.apr

										Section 288
Hepatitis B virus NC_003977.2 (26979) (3183)	26979	26990	27000	27010	27020	27030	27040	27050	27060	27072
	SARS-CoV-2 NC_045512.2 (26671) AGTTAATTTTCCTCTGGCTGTTATGGCCAGTAACTTTAGCTTGTTTTGTGCTTGCTGCTGTTTACAGAATAAATTGGATCACCGGTGGAATTGC									
										Section 289
Hepatitis B virus NC_003977.2 (27073) (3183)	27073	27080	27090	27100	27110	27120	27130	27140	27150	27166
	SARS-CoV-2 NC_045512.2 (26765) TATCGCAATGGCTTGCTCTGTAGGCTTGATGTGGCTCAGCTACTTCATTGCTTCTTTTCAGACTGTTTGCGCGTACGCGTTCCATGTGGTCATTTC									
										Section 290
Hepatitis B virus NC_003977.2 (27167) (3183)	27167	27180	27190	27200	27210	27220	27230	27240	27250	27260
	SARS-CoV-2 NC_045512.2 (26859) AATCCAGAACTAACATTCTTCTCAACGTGCCACTCCATGGCACTATTCTGACCAGACCGCTTCTAGAAAGTGAACCTCGTAATCGGAGCTGTGA									
										Section 291
Hepatitis B virus NC_003977.2 (27261) (3183)	27261	27270	27280	27290	27300	27310	27320	27330	27340	27354
	SARS-CoV-2 NC_045512.2 (26953) TCCTTCGTGGACATCTTCGTATTGCTGGACACCATCTAGGACGCTGTGACATCAAGGACCTGCCTAAAGAAATCACTGTTGCTACATCACGAAC									
										Section 292
Hepatitis B virus NC_003977.2 (27355) (3183)	27355	27360	27370	27380	27390	27400	27410	27420	27430	27448
	SARS-CoV-2 NC_045512.2 (27047) GCTTTCTTATTACAAATTGGGAGCTTCGCAGCGTGCTAGCAGGTGACTCAGGTTTTGCTGCATACAGTCGCTACAGGATTGGCAACTATAAATTA									
										Section 293
Hepatitis B virus NC_003977.2 (27449) (3183)	27449	27460	27470	27480	27490	27500	27510	27520	27530	27542
	SARS-CoV-2 NC_045512.2 (27141) AACACAGACCATTCCAGTAGCAGTGACAATATTGCTTTGCTTGTACAGTAAGTGACAACAGATGTTTCATCTCGTTGACTTTTCAGGTTACTATA									
										Section 294
Hepatitis B virus NC_003977.2 (27543) (3183)	27543	27550	27560	27570	27580	27590	27600	27610	27620	27636
	SARS-CoV-2 NC_045512.2 (27235) GCAGAGATATTACTAATTATTATGAGGACTTTTAAAGTTTCCATTTGGAATCTTGATTACATCATAAACCTCATAATTAAAAATTTATCTAAGT									

SARS-CoV-2 & Hepatitis B.apr

										Section 295
Hepatitis B virus NC_003977.2 (3183)	(27637)	27637	27650	27660	27670	27680	27690	27700	27710	27720 27730
	SARS-CoV-2 NC_045512.2 (27329)	-----								
										Section 296
Hepatitis B virus NC_003977.2 (3183)	(27731)	27731	27740	27750	27760	27770	27780	27790	27800	27810 27824
	SARS-CoV-2 NC_045512.2 (27423)	-----								
										Section 297
Hepatitis B virus NC_003977.2 (3183)	(27825)	27825	27830	27840	27850	27860	27870	27880	27890	27900 27918
	SARS-CoV-2 NC_045512.2 (27517)	-----								
										Section 298
Hepatitis B virus NC_003977.2 (3183)	(27919)	27919	27930	27940	27950	27960	27970	27980	27990	28000 28012
	SARS-CoV-2 NC_045512.2 (27611)	-----								
										Section 299
Hepatitis B virus NC_003977.2 (3183)	(28013)	28013	28020	28030	28040	28050	28060	28070	28080	28090 28106
	SARS-CoV-2 NC_045512.2 (27705)	-----								
										Section 300
Hepatitis B virus NC_003977.2 (3183)	(28107)	28107	28120	28130	28140	28150	28160	28170	28180	28190 28200
	SARS-CoV-2 NC_045512.2 (27799)	-----								
										Section 301
Hepatitis B virus NC_003977.2 (3183)	(28201)	28201	28210	28220	28230	28240	28250	28260	28270	28280 28294
	SARS-CoV-2 NC_045512.2 (27893)	-----								

SARS-CoV-2 & Hepatitis B.apr

											Section 302
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(28295)	28295	28300	28310	28320	28330	28340	28350	28360	28370	28388
	(3183)	-----									
GTAGTTGATGACCCGTGTCCTATTCAC TTCTATTCTAAATGGTATATTAGAGTAGGAGCTAGAAAATCAGCACCTTTAATTGAATTGTGCGTGG											
											Section 303
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(28389)	28389	28400	28410	28420	28430	28440	28450	28460	28470	28482
	(3183)	-----									
ATGAGGCTGGTTCTAAATCACCCATTTCAGTACATCGATATCGGTAATTATACAGTTTCCTGTTTACCTTTTACAATTAATTGCCAGGAACCTAA											
											Section 304
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(28483)	28483	28490	28500	28510	28520	28530	28540	28550	28560	28576
	(3183)	-----									
ATTGGGTAGTCTTGTAGTGC GTTGTTCTATGAAGACTTTTTAGAGTATCATGACGTTTCGTGTTGTTTTAGATTTTCATCTAAACGAACAAA											
											Section 305
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(28577)	28577	28590	28600	28610	28620	28630	28640	28650	28660	28670
	(3183)	-----									
CTAAATGTCTGATAATGGACCCCAAATCAGCGAAATGCACCCCGCATTACGTTTGGTGGACCCTCAGATTCAACTGGCAGTAACCAGAATGG											
											Section 306
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(28671)	28671	28680	28690	28700	28710	28720	28730	28740	28750	28764
	(3183)	-----									
AGAACGCAGTGGGGCGCGATCAAAACAACGTCGGCCCAAGGTTTACCCAATAATACTGCGTCTTGTTTCACCGCTCTCACTCAACATGGCAAG											
											Section 307
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(28765)	28765	28770	28780	28790	28800	28810	28820	28830	28840	28858
	(3183)	-----									
GAAGACCTTAAATTCCCTCGAGGACAAGGCGTTCCAATTAAACACCAATAGCAGTCCAGATGACCAAATTGGCTACTACCGAAGAGCTACCAGAC											
											Section 308
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(28859)	28859	28870	28880	28890	28900	28910	28920	28930	28940	28952
	(3183)	-----									
GAATTTCGTGGTGGTGACGGTAAATGAAAGATCTCAGTCCAAGATGGTATTTCTACTACCTAGGAAGTGGGCCAGAAGCTGGACTTCCCTATGG											

SARS-CoV-2 & Hepatitis B.apr

											Section 309
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(28953)	28953	28960	28970	28980	28990	29000	29010	29020	29030	29046
	(3183)	-----									
TGCTAACAAAGACGGCATCATATGGGTTGCAACTGAGGGAGCCTTGAATACACCAAAAGATCACATTGGCACCCGCAATCCTGCTAACAAATGCT											
											Section 310
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29047)	29047	29060	29070	29080	29090	29100	29110	29120	29130	29140
	(3183)	-----									
GCAATCGTGCTACAACTTCCTCAAGGAACAACATTGCCAAAAGGCTTCTACGCAGAAGGGAGCAGAGGCGGCAGTCAAGCCTCTTCTCGTTCCT											
											Section 311
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29141)	29141	29150	29160	29170	29180	29190	29200	29210	29220	29234
	(3183)	-----									
CATCACGTAGTCGCAACAGTTCAAGAAATTCAACTCCAGGCAGCAGTAGGGGAACTTCTCCTGCTAGAATGGCTGGCAATGGCGGTGATGCTGC											
											Section 312
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29235)	29235	29240	29250	29260	29270	29280	29290	29300	29310	29328
	(3183)	-----									
TCTTGCTTTGCTGCTGCTTGACAGATTGAACCAGCTTGAGAGCAAAATGTCTGGTAAAGGCCAACACAACAAGGCCAAACTGTCACTAAGAAA											
											Section 313
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29329)	29329	29340	29350	29360	29370	29380	29390	29400	29410	29422
	(3183)	-----									
TCTGCTGCTGAGGCTTCTAAGAAGCCTCGGCAAAAACGTACTGCCACTAAAGCATACAATGTAACACAAGCTTTGCGCAGACGTGGTCCAGAAC											
											Section 314
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29423)	29423	29430	29440	29450	29460	29470	29480	29490	29500	29516
	(3183)	-----									
AAACCCAAGGAAATTTTGGGGACCAGGAACATAATCAGACAAGGAAGTATTACAAACATTGGCCGCAAATTGCACAATTTGCCCCCAGCGCTTC											
											Section 315
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29517)	29517	29530	29540	29550	29560	29570	29580	29590	29600	29610
	(3183)	-----									
AGCGTTCTTCGGAATGTCGCGCATTGGCATGGAAGTCACACCTTCGGGAACGTGGTTGACCTACACAGGTGCCATCAAATTGGATGACAAAGAT											

SARS-CoV-2 & Hepatitis B.apr

											Section 316
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29611)	<u>29611</u>	<u>29620</u>	<u>29630</u>	<u>29640</u>	<u>29650</u>	<u>29660</u>	<u>29670</u>	<u>29680</u>	<u>29690</u>	<u>29704</u>
	(3183)	-----									
											Section 317
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29705)	<u>29705</u>	<u>29710</u>	<u>29720</u>	<u>29730</u>	<u>29740</u>	<u>29750</u>	<u>29760</u>	<u>29770</u>	<u>29780</u>	<u>29798</u>
	(3183)	-----									
											Section 318
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29799)	<u>29799</u>	<u>29810</u>	<u>29820</u>	<u>29830</u>	<u>29840</u>	<u>29850</u>	<u>29860</u>	<u>29870</u>	<u>29880</u>	<u>29892</u>
	(3183)	-----									
											Section 319
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29893)	<u>29893</u>	<u>29900</u>	<u>29910</u>	<u>29920</u>	<u>29930</u>	<u>29940</u>	<u>29950</u>	<u>29960</u>	<u>29970</u>	<u>29986</u>
	(3183)	-----									
											Section 320
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(29987)	<u>29987</u>	<u>30000</u>	<u>30010</u>	<u>30020</u>	<u>30030</u>	<u>30040</u>	<u>30050</u>	<u>30060</u>	<u>30070</u>	<u>30080</u>
	(3183)	-----									
											Section 321
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(30081)	<u>30081</u>	<u>30090</u>	<u>30100</u>	<u>30110</u>	<u>30120</u>	<u>30130</u>	<u>30140</u>	<u>30150</u>	<u>30160</u>	<u>30174</u>
	(3183)	-----									
											Section 322
Hepatitis B virus NC_003977.2 SARS-CoV-2 NC_045512.2	(30175)	<u>30175</u>	<u>30180</u>	<u>30190</u>	<u>30200</u>	<u>30211</u>					
	(3183)	-----									