

HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	CTCAACACAG	TTCCACCAAG	CACTGTTGGA	TCCGAGAGTA	AGGGGTCTGT	ATTTTCTCTG	TGGTGGCTCC	AGTTTCAGAAA	30
	.....	.....	.....	C.....A.....	.....	.....	.....	.....	40
	.....	.....	.....	C.....A.....	.....	.....	.....	.....	60
	.....	.....	.....	C.....A.....	.....	.....	.....	.....	80
	.....	.....	.....	C.....A.....	.....	.....	.....	.....	100
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	CACAGAACC	TGCTCCGAC	ATTGCCTCTC	TCACATCAT	AATCTTCTCG	AAGAETGGG	ACCECTGCTAT	GAACATGGA	120
	.....	.....	.....T.....	.....	.....	.....	.....	.....	140
	.....	.....	.....T.....	.....	.....	.....	.....	.....	160
	.....	.....	.....T.....	.....	.....	.....	.....	.....	180
	.....	.....	.....T.....	.....	.....	.....	.....	.....	200
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	AACATCACAT	CAGGACTCCT	AGGACCCCTT	CTCGTGTTAC	AGGCGGTGTG	TTTCTTGTTG	ACAAAAATCC	TCACAATACC	220
	.....	.....	.....	.....	.....	.....	.....	.....	240
	.....	.....	.....	.....	.....	.....	.....	.....	260
	.....	.....	.....	.....	.....	.....	.....	.....	280
	.....	.....	.....	.....	.....	.....	.....	.....	300
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	ACAGAGTCTA	GACTCTGGG	GGACTTCTCT	CAATTTTCTA	GGGGTACCAC	CCGGGTGTCT	TGGCCAAAAT	TCGCAGTCCC	320
	.....	.....	.....	.....	.....	.....	.....G.....	.....	340
	.....	.....	.....	.....	.....	.....	.....G.....	.....	360
	.....	.....	.....	.....	.....	.....	.....G.....	.....	380
	.....	.....	.....	.....	.....	.....	.....G.....	.....	400
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	CAATCTCCAA	TCACCTTACC	ACCTCCTGTC	CTCCAACCTG	TCCTGGCTAT	CGTTGGAATG	GTCTGCGGGC	TTTTATCATC	420
	.....	.....	.....	.....	.....	.....	.....	.....	440
	.....	.....	.....	.....	.....	.....	.....	.....	460
	.....	.....	.....	.....	.....	.....	.....	.....	480
	.....	.....	.....	.....	.....	.....	.....	.....	500
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TTCTCTTTCA	TCCTGCTGG	ATGCCTCATC	TTCTTGTTTG	TTCTTCTGGA	CTATCAAGGT	ATGTTGCCCG	TGTGTCTCTC	520
	.....	.....	.....	.....	.....	.....	.....	.....	540
	.....	.....	.....	.....	.....	.....	.....	.....	560
	.....	.....	.....	.....	.....	.....	.....	.....	580
	.....	.....	.....	.....	.....	.....	.....	.....	600
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	ACTTCCAGGA	TCTACAACCA	CCAGCACGGG	ACCTTGCAAA	ACCTGCACCA	CTCTTGCTCA	AGGAACCTCT	ATGTTTCCCT	620
	.....	.....A.....	.....	.....	.....	.....	.....	.....	640
	.....	.....A.....	.....	.....	.....	.....	.....	.....	660
	.....	.....A.....	.....	.....	.....	.....	.....	.....	680
	.....	.....A.....	.....	.....	.....	.....	.....	.....	700
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	CCTGCTGCTG	TACCAAACT	TCGGACGGAA	ATTGCACTTG	TATTCCCATC	CCATCATCTT	GGGCTTTTCG	AAAATACCTA	720
	.....	.....	.....	.....	.....	.....	.....	.....	740
	.....	.....	.....	.....	.....	.....	.....	.....	760
	.....	.....	.....	.....	.....	.....	.....	.....	780
	.....	.....	.....	.....	.....	.....	.....	.....	800
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TGGGAGTGGG	CCTCAGCCCG	TTTCTCTTGG	CTCAGTTTAC	TAGTGCAATT	TGTTCAGTGG	TGCGTAGGGC	TTTCCCCCAC	820
	.....	.....	.....	.....	.....	.....	.....	.....	840
	.....	.....	.....	.....	.....	.....	.....	.....	860
	.....	.....	.....	.....	.....	.....	.....	.....	880
	.....	.....	.....	.....	.....	.....	.....	.....	900
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TGTCTGGCTT	TTAGTTTATA	GGATGATTTG	GTATTGGGGG	CCAAATCTGT	GCAGCATCTT	GAGTCCCTTT	ATACCGCTGT	920
	.....	.....	.....	.....	.....	.....	.....	.....	940
	.....	.....	.....	.....	.....	.....	.....	.....	960
	.....	.....	.....	.....	.....	.....	.....	.....	980
	.....	.....	.....	.....	.....	.....	.....	.....	1000
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TACCAATTTT	TTGTTATCTG	TGGGCATCCA	TTTGAACACA	GCTAAAACAA	AATGGTGGGG	TTATTCTTTA	CACTTTATGG	1020
	.....	.....	.....	.....A.....	.....	.....	.....	.....	1040
	.....	.....	.....	.....A.....	.....	.....	.....	.....	1060
	.....	.....	.....	.....A.....	.....	.....	.....	.....	1080
	.....	.....	.....	.....A.....	.....	.....	.....	.....	1100
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	GTTATATAAT	TGGGAGTTGG	GGGACCTTGC	CTCAGGAACA	TATTGTGCAT	AAAATCAAAG	ATTGCTTTTC	CAAACCTTCC	1120
	.....	.....	.....G.....	.....	.....A.....	.....	.....	.....	1140
	.....	.....	.....G.....	.....	.....A.....	.....	.....	.....	1160
	.....	.....	.....G.....	.....	.....A.....	.....	.....	.....	1180
	.....	.....	.....G.....	.....	.....A.....	.....	.....	.....	1200
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	GTGAATAGAC	CCATTGATTG	GAAGGTTTGT	CAACGCATTG	TGGGTCCTTT	GGGCTTTTGA	GCCCTTTTAA	CTCAATGTGG	1220
	.....	.....	.....	.....A.....	.....	.....	.....	.....	1240
	.....	.....	.....	.....A.....	.....	.....	.....	.....	1260
	.....	.....	.....	.....A.....	.....	.....	.....	.....	1280
	.....	.....	.....	.....A.....	.....	.....	.....	.....	1300
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TTATCTGTCT	CTCATGCCCT	TGTATGCCTG	TATTACGGCT	AAGCAGGCTT	TTGTTTCTCT	GCCCACTTAC	AAGGCTTTTC	1320
	.....C.....	.....	.....	.....	.....	.....	.....	.....	1340
	.....C.....	.....	.....	.....	.....	.....	.....	.....	1360
	.....C.....	.....	.....	.....	.....	.....	.....	.....	1380
	.....C.....	.....	.....	.....	.....	.....	.....	.....	1400
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TCTGTAAACA	ATACATGAAC	CTTTACCCCG	TTGCTCGGCA	ACGGCCAGGC	CTTTGCCAAG	TGTTTGCTGA	CGCAACCCCG	1420
	.....	.....	.....	.....	.....	.....	.....	.....	1440
	.....	.....	.....	.....	.....	.....	.....	.....	1460
	.....	.....	.....	.....	.....	.....	.....	.....	1480
	.....	.....	.....	.....	.....	.....	.....	.....	1500
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	ACTGGCTGGG	GCTTGGCGAT	TGGCCATCAG	CGCATGCGCG	GAACCTTTGT	GGCTCCTCTG	CCGATCCATA	CTGCGGAAC	1520
	.....	.....	.....	.....	.....	.....	.....	.....	1540
	.....	.....	.....	.....	.....	.....	.....	.....	1560
	.....	.....	.....	.....	.....	.....	.....	.....	1580
	.....	.....	.....	.....	.....	.....	.....	.....	1600
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	CCTAGCAGCT	TGTTTCGCTC	GCAGCAGGTC	TGGAGCGGAC	ATTATCGGCA	CTGACAACTC	CGTTGTCTTT	TCTCGGAAGT	1620
	.....	.....	.....	.....	.....	.....	.....A.....	.....	1640
	.....	.....	.....	.....	.....	.....	.....A.....	.....	1660
	.....	.....	.....	.....	.....	.....	.....A.....	.....	1680
	.....	.....	.....	.....	.....	.....	.....A.....	.....	1700
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	ACACCTCCTT	CCCATGGCTG	CTAGGCTGTG	CTGCCAACTG	GATCCTGCGC	GGGACGTCCT	TTGTCTACGT	CCCCTCGGCG	1720
	.....	.....	.....	.....	.....	.....	.....	.....A.....	1740
	.....	.....	.....	.....	.....	.....	.....	.....A.....	1760
	.....	.....	.....	.....	.....	.....	.....	.....A.....	1780
	.....	.....	.....	.....	.....	.....	.....	.....A.....	1800
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	CTGAATCCTG	CGGACGACCC	CTCTCGTGGT	CGCTTGGGGC	TCTGCGCGCC	TCTTCTCCGC	CTGCCGTTCC	GGCCGACGAC	1820
	.....	.....	.....	.....	.....	.....	.....	.....	1840
	.....	.....	.....	.....	.....	.....	.....	.....	1860
	.....	.....	.....	.....	.....	.....	.....	.....	1880
	.....	.....	.....	.....	.....	.....	.....	.....	1900
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	GGGTGCGACC	TCTCTTTACG	CGGACTCCCC	GCCTGTGCCT	TCTCATCTGC	CGGCCCGTGT	GCACTTCGCT	TCACCTCTGC	1920
	.....	.....	.....	.....	.....	.....	.....	.....	1940
	.....	.....	.....	.....	.....	.....	.....	.....	1960
	.....	.....	.....	.....	.....	.....	.....	.....	1980
	.....	.....	.....	.....	.....	.....	.....	.....	2000
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	ACGTCGCATG	GAGACCACCG	TGAACGCCCC	TTGGAACCTG	CCAACAACCT	TACATAAGAG	GACTCTTGGA	CTTTCGCCCC	2020
	.....	.....	.....	.....C.....	.....	.....	.....	.....	2040
	.....	.....	.....	.....CA.....	.....	.....	.....	.....	2060
	.....	.....	.....	.....CA.....	.....	.....	.....	.....	2080
	.....	.....	.....	.....CA.....	.....	.....	.....	.....	2100
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	GGTCAACGAC	CTGGATTGAG	GAATACATCA	AAGACTGTGT	ATTTAAGGAC	TGGGAGGAGT	CGGGGGAGGA	GTTGAGGTTA	2120
	.....	.....	.....	.....	.....	.....	.....	.....	2140
	.....	.....	.....	.....	.....	.....	.....	.....	2160
	.....	.....	.....	.....	.....	.....	.....	.....	2180
	.....	.....	.....	.....	.....	.....	.....	.....	2200
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	AAGGTCCTTG	TATTAGGAGG	CTGTAGGCAT	AAATTGCTCT	GTTCAACAGC	ACCATGCAAC	TTTTTCACCT	CTGCCTAATC	2220
	.....	.....	.....	.....	.....	.....	.....	.....	2240
	.....	.....	.....	.....	.....	.....	.....	.....	2260
	.....	.....	.....	.....	.....	.....	.....	.....	2280
	.....	.....	.....	.....	.....	.....	.....	.....	2300
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	ATCTTTTGTT	CATGTCCAC	TGTTCAAGCC	TCCAAGCTGT	GCCTTGGGTG	GCTTGGGGC	ATGGACATTG	ACCCTTATAA	2320
	.....	.....	.....	.....	.....	.....	.....	.....	2340
	.....	.....	.....	.....	.....	.....	.....	.....	2360
	.....	.....	.....	.....	.....	.....	.....	.....	2380
	.....	.....	.....	.....	.....	.....	.....	.....	2400
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	AGAATTTGGA	GCTTCTGTGG	AGTTACTCTC	ATTTTGGCTT	TCTGACTTCT	TCCCGTCTGT	CCGGGACCTA	CTCGACACCG	2420
	.....	.....	.....	.....	.....	.....	.....	.....	2440
	.....	.....	.....	.....	.....	.....	.....	.....	2460
	.....	.....	.....	.....	.....	.....	.....	.....	2480
	.....	.....	.....	.....	.....	.....	.....	.....	2500
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	CTTCAGCCCT	CTACCGAGAT	GCCTTAGAAT	CACCCGAACA	TGCAACCCC	AACCACACTG	CTCTCAGGCA	AGCTATTTTG	2520
	.....	.....	.....	.....	.....	.....T.....	.....	.....	2540
	.....	.....	.....	.....	.....	.....T.....	.....	.....	2560
	.....	.....	.....	.....	.....	.....T.....	.....	.....	2580
	.....	.....	.....	.....	.....	.....T.....	.....	.....	2600
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TGCTGGGGTG	AGTTGATGAC	CTTGGCTTCC	TGGGTGGGCA	ATAATTTAGA	GGATCCTGCA	GCAAGAGATC	TAGTAGTTAA	2620
	.....	.....	.....	.....	.....	.....	.....C.....	.....	2640
	.....	.....	.....	.....	.....	.....	.....C.....	.....	2660
	.....	.....	.....	.....	.....	.....	.....C.....	.....	2680
	.....	.....	.....	.....	.....	.....	.....C.....	.....	2700
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TTATGTCAAT	ACTAACATGG	GCCTAAAAAT	TAGACAATTA	TTATGGTTTC	ACATTTCTCT	CCTTACATTT	GGAAGAGAAA	2720
	.....	.....T.....	.....	.....	.....	.....T.....	.....	.....	2740
	.....	.....T.....	.....	.....	.....	.....T.....	.....	.....	2760
	.....	.....T.....	.....	.....	.....	.....T.....	.....	.....	2780
	.....	.....T.....	.....	.....	.....	.....T.....	.....	.....	2800
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	CTGTGCTTGA	GTATTTGGTG	TCTTTTGGAG	TGTGATTCTG	CACTCCACCT	GCTTATAGAC	CACCAAAATG	CCCTATCTCT	2820
	.....	.....	.....	.....	.....	.....	.....G.....	.....	2840
	.....	.....	.....	.....	.....	.....	.....G.....	.....	2860
	.....	.....	.....	.....	.....	.....	.....G.....	.....	2880
	.....	.....	.....	.....	.....	.....	.....G.....	.....	2900
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TCAACACTTC	CGGAGACTAC	TGTTGTTAGA	CAACGAGGCA	GGGCCCTTAG	AAGAAGAACT	CCCTCGCCTC	GCAGACGAAG	2920
	.....	.....	.....	.....	.....	.....	.....C.....	.....	2940
	.....	.....	.....	.....	.....	.....	.....	.....	2960
	.....	.....	.....	.....	.....	.....	.....	.....	2980
	.....	.....	.....	.....	.....	.....	.....	.....	3000
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	ATCTCAATCA	CCGCGTCGCA	GAAGATCTCA	ATCTCCAGCT	TCCCAATGTT	AGTATTCCTT	GGACTCATAA	GGTGGGAAAC	3020
	.....	.....	.....	.....	.....	.....	.....	.....	3040
	.....	.....	.....	.....	.....	.....	.....	.....	3060
	.....	.....	.....	.....	.....	.....	.....	.....	3080
	.....	.....	.....	.....	.....	.....	.....	.....	3100
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TTTACCGGTC	TTTACTCCTC	TACTGTACCT	GTTTTCAATC	CTGACTGGTT	AACTCCTTCT	TTTCTGACA	TTCACTTGCA	3120
	.....	.....	.....	.....	.....	.....	.....	.....	3140
	.....	.....	.....	.....	.....	.....	.....	.....	3160
	.....	.....	.....	.....	.....	.....	.....	.....	3180
	.....	.....	.....	.....	.....	.....	.....	.....	3200
HBV/H Genome-Consensus pHY-H2 pHY-H6 pHY-H8 pHY-H10	TCAAGATCTG	ATACAAAAAT	GTGAACAAAT	TGTAGGCCCA	CTCACTACAA	ATGAAAGGAG	ACGATTGAAA	CTAATTATGC	3220
	.....	.....T.....	.....	.....	.....A.....	.....	.....	.....	3240
	.....	.....T.....	.....						