

Complete nucleotide sequence of a Chinese duck hepatitis B virus

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Submitted September 10, 1990

GenBank accession no. M21953

We have cloned and sequenced the DHBV DNA from a duck obtained from a duck farm in Shanghai, People's Republic of China. Homology of the DNA sequence (3024 bp) to other avian hepadnaviruses was 90.3% (1), 90.4% (2), 90.6% (3) and 73.3% (4), respectively.

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1   CATGCACATC TAAAAGCTTA TGCTAAAATT AATGAGGAAT CATTAGATCG GGCTAGGAGA TTGCTTTGGT GGCATTACAA
81  CTGTTTACTG TGGGGAGAAG CTAACGTAC CAACTATATT TCTCGGCTCC GTACTTGGTT GTCAACTCCT GAAAAGTACC
161 GAGGCCGTGA TGCCCCAACC ATTGAAGCAA TCACATAGACC AATCCAAGTG GCTCAGGGAG GCAGAAAAAC ATCTTCGGGA
241 ACTAGAAAAC CTCGTGGACT CGAACCTAGA AGAAGAAAAG TTAACAACCAC AGTTGTCTAT GGGAGAAGAC GTTCAAAGTC
321 CCGGAAAAGG AGAGCCCTT CACCCCAACG TCGGGGCTCC CCTCTCCAC GTAGTTCGAG CAGCCACCAT AGATCTCCCT
401 CGCCTAGGAA ATAAATTACC TGCTAAGCAT CACTTGGGGA AATTGTCAGG TTTGTATCAA ATGAAGGGTT GTACCTTTAA
481 CCCTGAATGG AAAGTACCTG ATATTTGCGA TACTCATTTT GATTACAAG TACTAAATGA GTGCCCTTCC CGAAATTGGA
561 AATATCTGAC TCCAGCCAAA TTCTGGCCCA AGAGCATTTC CTAATTTCCCT GTACAGGCAG GGGTTAAAGC TAAGTACCTT
641 GACAAATGTA TGCAGCATGA ATCAATAGTA GGTAAATATT TAACCAGGCT CTATGAAGCA GGAATCCTTT ATAAGCGGAT
721 ATCTAAACAT TTGGTTACAT TTAAAGGTCA GCCTTATAAG TGGGAACATC AATACCTTGT CAAGCAACAT CAAATTCCTG
801 ATGGGGCAAC AACCCGCAAA ATCAATGGAC GTGCGGAGAA TCGAAGGAGG GGAGATCCTG CTAATATCAAT TAGCAGGCCG
881 CATGATCCCA AAAGGGGCTG TAACATGGTC AGGCAAATAT CCAACAATAG ATCATCTATT AGACCATGTG CAAACAATGG
961 AGGAGATAAA CACTCTCCAA CAACAAGGCG CTTGGCCTGC TGGGGCGGGA AGGCGAGTAG GATTAACCAA TCCTACTCCT
1041 CAAGAGATTC CTCAGCCCA GTGGACGCC GAGGAAGATC AGAAGCGCG GGAAGCCTTT CGTCGTATC AGGAAGAAAG
1121 GCCGCCGGA ACCACCACCA TTCCACCTC ATCAACCCCT CCGTGGAAC TACAGCCAGG GGACGATCCA CTCTGGAGA
1201 GCAATCTCT GCTCGAGACA CATCCGCTT ACCAGAATCC CGAGCCAGCC GTGCCGTGTA TAAAGACTCC TCCATTAAG
1281 AAGAAAATGT CTGGTACCTT CGGGGAATA CTAGCTGGCC TAATCGGAT ACTGTAAGC TTTTCTTGT TGATAAAAAT
1361 TCTCGAAATA CTACGGAAGC TAGATTGGTG GTGGATTCT CTAGTTCTC CAAAGGGAAA AATGCAATGC GCTTCCAAG
1441 ATACTGGAGC CAAATCTCT CCACATTAG CAGGATCCTG CCCGTGGGGA TGCCAGGAT TTCTCTGGAC CTATCTCAGG
1521 CTTTTTATCA TCTTCTCTT AATCCTGTA GTAGCAGCAG GCTTGTGTA TCTGACGGAC AACGGGTCTA CTATTTTAGG
1601 AAAGTCCAA TGGGCGTCGG TCTCAGCCCT TTTCTCCTCC ATCTCTTAC TACTGCCCTC GGATCAGAAA TCCTCGTCG
1681 CTTAATGTT TGGACTTTTA CTTATATGGA TGACTTCTC CTCTGCCACC CAAACGCTCG TCACCTAAC TCAATTAGCC
1761 ACGTGTCTG CACTTTCTT CAAGACTAG GCATACGTAT AAAGTTGAC AAGACTACT CATCTCCAGT GACTGAGATA
1841 AGATTCTCG GCTATCAGAT TGACCAGAAA TTCATGAAGA TTGAAGAAGA CAGATGGAAA GAACCTAAGGA CTGTTATTAA
1921 GAAAATAAAA GTTGGGCTT GGTATGATTG GAAATGCATT CAGAGATTG TCGGGCATT AAACCTTGTG TTACCATTCA
2001 CTAAAGGTAA CCTTGAATG TAAAACCAA TGTATGCTGC TATTACTAAC AAAGTTAATT TTAGCTTCTC TTCTGCTTAT
2081 AGGACTTTAC TGTACAAAT AACCATGGGT GTTGTAAAT TAGCCATTAA ACCAAAGTCC TCTGTACCTT TGCCACGTG
2161 AGCCACAGAT GCTACCCAA CACATGGCGC AATATCCCAT ATCACCAGG GAGCGCAGT GTTTGCTTT TCAAAGGTCA
2241 GAGATATCCA TATACAGGA TTGCTGATGG TATGTTTAGC CAAGCTAATG ATTAACCCA GATGTATACT CACCGATTCT
2321 ACCTTTGTTT GTCACAAACG TTATCAGACG TTGCCATGGC ATTTTGTCTAT GTTGCCAAA CAATGTATAT CTCCTATGCA
2401 ATTGTACTTT GTTCCGAGCA AATATAATCC TGCTGACGGC CCATCCAGGC ACAAACCGCC TGATTGGACG GCTCTTACAT
2481 ACACCCCTCT CTCGAAAGCA ATATATATTC CACATAGGCT ATGTGGAAT TAAGAATTAC ACCCTCTCC TTCGGAGCTG
2561 CCTGCAAGG TATATTACG TCTACATGC TGTGTCAAG TCTGACTGTA CCTTTGGTAT GTACCATTGT TTATGATTCT
2641 TGCTTATATA TGGATATCAA TGCTTCTAGA GCCTTAGCCA ATGTATATGA TCTGCCAGAT GATTTCTTT CAAAATTTGA
2721 TGATCTTGTG AAGGATGCGA AAGATGCTTT AGAACCCTAT TGGAAATCTG ATTCAATAAA GAAACATGTT TTAATGCAA
2801 CTCACCTCGT GGACTTATT GAAGACTTCT GGCAGACTAC ACAGGGTATG CATGAGATAG CTGAATCATT AAGAGCAGTA
2881 ATTCCACCTA CCACTGCTCC TGTACCTACG GGTATCTCA TTCAACACGA AGAGGCTGAA GAGATACCTT TAGGTGATCT
2961 TTTCAACAT CAGGAAGAAA GGATAGTTAG TTTCCAGCCA GACTATCCGA TTACTGCTAG AATT

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