

## SUPPLEMENTARY MATERIAL

### Supplementary Material 1. The sequence of pUC-HB-CepUC19-HBV-Ce.

The sequence of the genome which contained 1.24-fold HBV genome AATTTGTCCTGGCTATCGCTGGATGTGTCTGCGGCGTTTTATCATATTCCTCTTCATCCTGCTGCTATGCCTCATCTTCTTGTGGTTCTTCTGGACTACC AAGGTATGTTGCCCCGTTTGTCTCTACTTCCAGGAACATCAACTACCAGCACGGGACCATGCAAGACCTGC ACGATTCCTGCTCAAGGAACCTCTATGTTTCCCTCTTGTGTGCTGTACAAAACCTTCGGACGGAACTGCACT TGTATTCCCATCCCATCATCCTGGGCTTTCGCAAGATTCCTATGGGAGTGGGCCTCAGTCCGTTTCTCCTGG CTCAGTTTACTAGTGCCATTTGTTCAGTGGTTCGTAGGGGCTTTCCTCCCACTGTTTTGGCTTTCAGTTATATGGA TGATGTGGTATTGGGGGCCAAGTCTGTACAACATCTTGAGTCCCTTTTTACCTCTATTACCAATTTTCTTTTG TCTTTGGGTATACATTTGAACCCTAATAAAAACCAACGTTGGGGCTACTCCCTTAACTTCATGGGATATGTA ATTGGAAGTTGGGGTACTTTACCGCAGGAACATATTGTAATAAACTCAAGCAATGTTTTCGAAAACCTGCC TGTAATAAGACCTATTGATTGGAAAGTATGTCAAAGAATTGTGGGTCTTTTGGGCTTTGCTGCCCCTTTTAC ACAATGTGGCTATCCTGCCTTAAATGCCTTTATATGCATGTATACAATCTAAGCAGGCTTTCCTTCTCGCC AACTTACAAGGCCTTCTGTGTCAACAATATCTGAACCTTACCCCGTTGCCCGGCAACGGTCAGGTCCTCTG CCAAGTGTGCTGACGCAACCCCACTGGATGGGGCTTGCCATAGGCCATCGGCGCATGCGTGGAACTT TGTGGCTCCTCTGCCGATCCATACTGCGGAACTCCTAGCAGCTTGTGTTTGTCTCGCAGCCGGTCTGGAGCGA AACTTATCGGGACTGACAACTCTGTTGTCCTCTCTCGGAAATACACCTCCTTTCATGGCTGCTAGGGTGTG CTGCCAACTGGATCCTGCGCGGGACGTCCTTTGTCTACGTCCCGTCGGCGCTGAATCCCGCGGACGACCCG TCTCGGGGCCGTTTGGGCCTCTACCGTCCCCTTCTTCATCTGCCGTTCCGGCCGACCACGGGGCGCACCTCT CTTTACGCGGTCTCCCGTCTGTGCCCTTCTCATCTGCCGACCGTGTGCACTTCGCTTCACTCTGCACGTCG CATGGAGACCACCGTGAACGCCACCAGGTCTTGCCCAAGGTCTTACATAAGAGGACTCTTGGACTCTCAG CAATGTCAACGACCGACCTTGAGGCATACTCAAAGACTGTTTGTGTTAAGGACTGGGAGGAGTTGGGGGA GGAGATTAGGTTAAAGGTCTTTGTACTAGGAGGCTGTAGGCATAAATTGGTCTGTTCAACAGCACCATGCA ACTTTTTACCTCTGCCTAATCATCTCATGTTTCATGTCTACTGTTCAAGCCTCAAGCTGTGCCTTGGGTGG CTTTGGGGCATGGACATTGACCCGTATAAAGAATTTGGAGCTTCTGTGGAGTTACTCTTTTTTGCCTTCT GACTTCTTTCCTTCTATTTCGAGATCTCCTCGACACCGCCTCTGCTCTGTATCGGGAGGCCCTTAGAGTCTCCG GAACATTGTTACCTCACCATACAGCACTCAGGCAAGCTATTCTGTGTTGGGGTGAGTTGATGAATCTGGC CACCTGGGTGGGAAGTAATTTGGAAGACCCAGCATCCAGGGAATTAGTAGTCAGCTATGTCAATGTTAATA TGGGCCTAAAAATCAGACAACCTATTGTGGTTTCACATTCCTGTCTTACTTTTGGAAAGAGAACTGTTCTTG AGTATTTGGTGTCTTTTGGAGTGTGGATTCGCACTCCTCCCGCTTACAGACCACCAATGCCCTATCTTAT CAACACTTCCGGAAACTACTGTTGTTAGACGACGAGGCAGGTCCCCTAGAAGAAGAACTCCCTCGCCTCGC AGACGAAGGT.