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Supplementary Materials: Re-designed Recombinant Hepatitis B Virus Vectors Enable Efficient Delivery of Versatile Cargo Genes to Hepatocytes with Improved Safety

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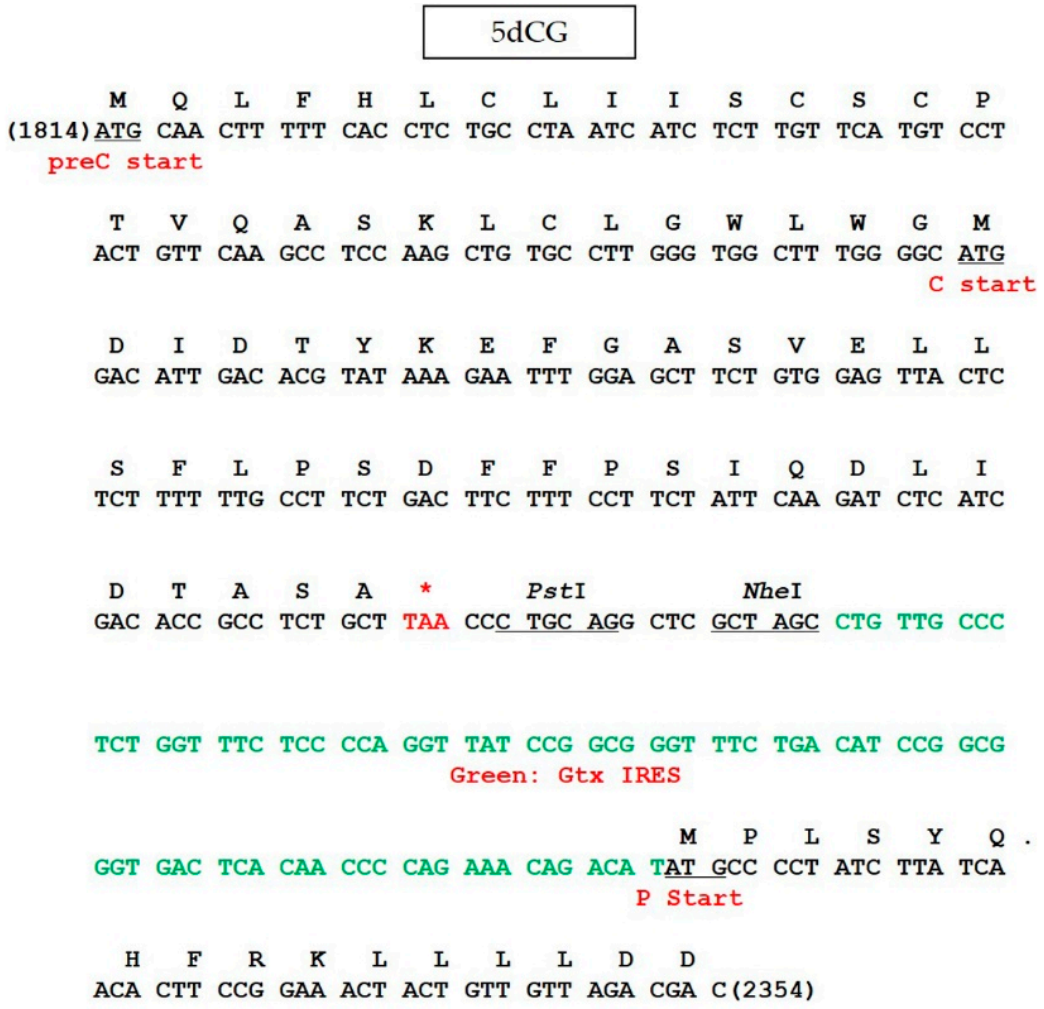

Figure S1. Listing of partial sequences of 5dCG rHBV vector used in this work. Sequences surrounding the cargo sequence insertion site are shown. Numbers indicate nucleotide positions on wild type HBV genome. Start codons of preC, C and P ORF as well as artificially introduced premature termination codon (*) of preC/C ORF are indicated. Gtx IRES sequences introduced upstream of P start codon are highlighted in green. Restriction enzyme recognition sites used for inserting cargo sequences are also shown.

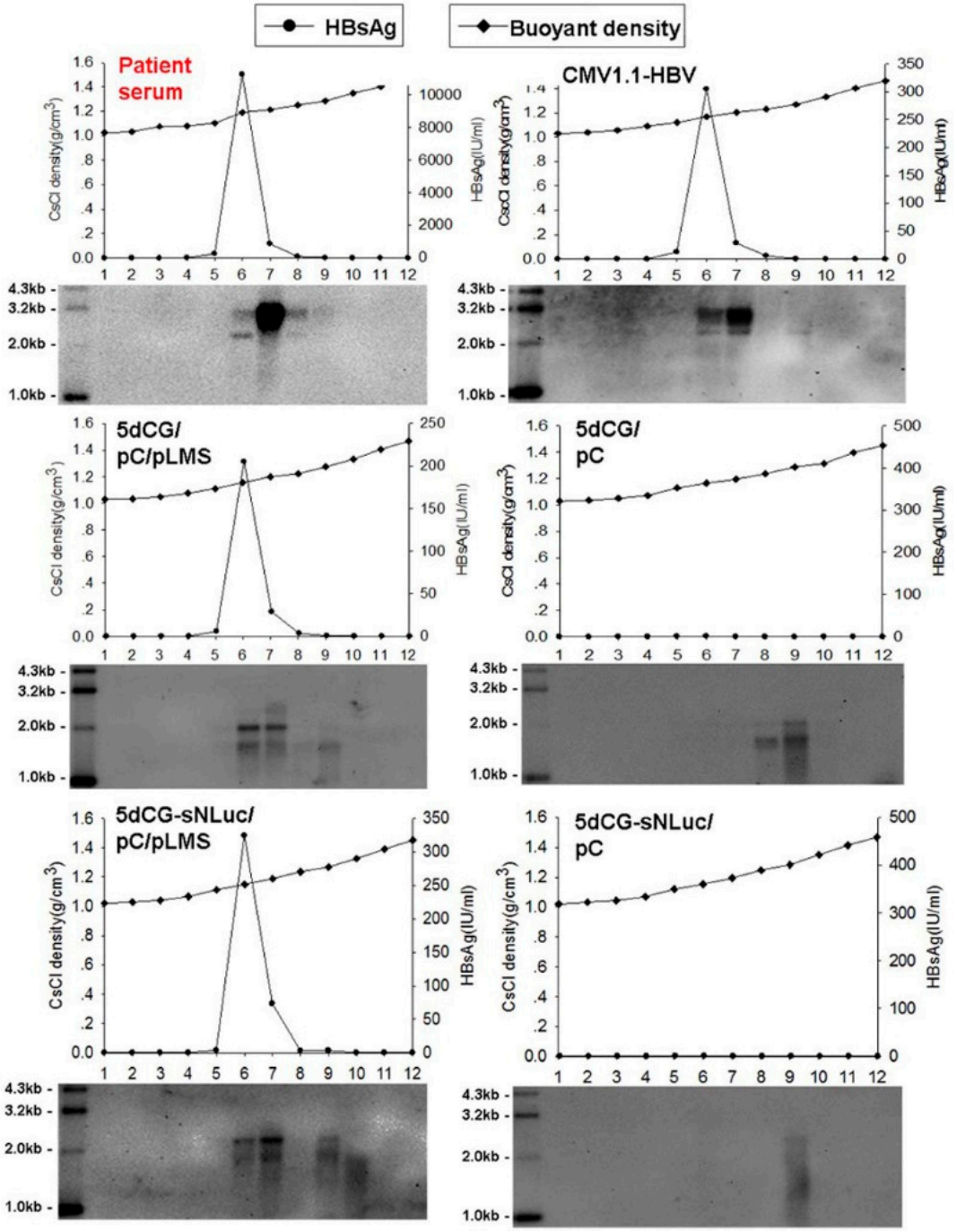

Figure S2. Sendimentation analysis of wild type and recombinant HBV virions. Culture supernatants of Huh-7 cells transfected with indicated plasmids, as well as HBV-infected patient serum, were subjected to CsCl density gradient ultracentrifugation. Fractions were analyzed for CsCl density (solid diamonds), HBsAg (solid circles) and HBV DNA.