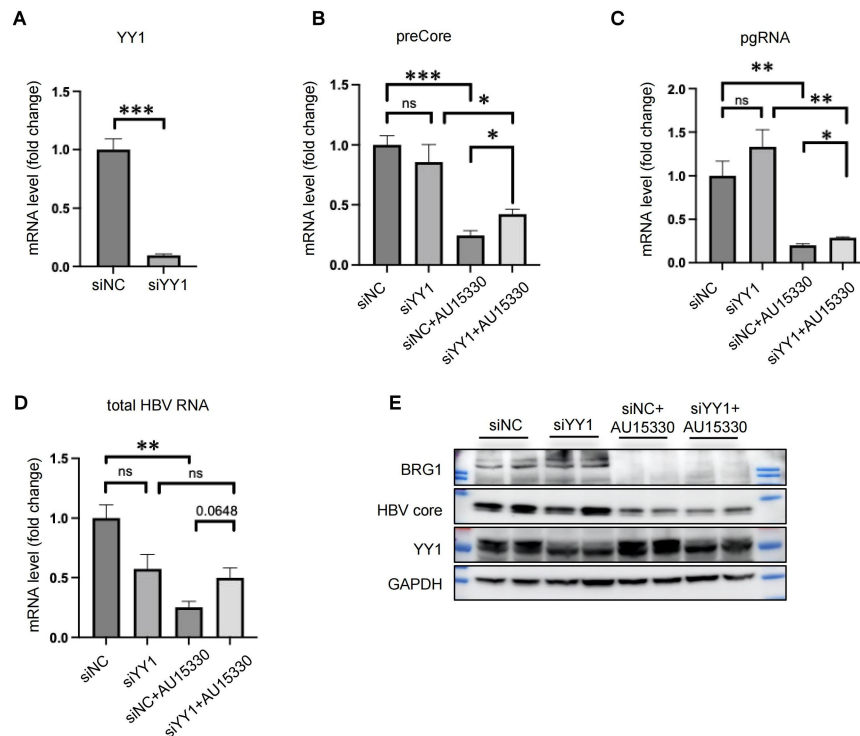


Supplemental Materials

Supplemental Figures

Figure S1 YY1 depletion and SWI/SNF inhibition on HBV RNA and protein levels

(A) HepG2.2.15 cells were treated with siNC or siYY1 for RT-qPCR analysis of YY1 mRNA levels. (B-E) HepG2.2.15 cells were treated with siNC or siYY1 and DMSO or AU15330 (5 μ M) every other day for 4 days for RT-qPCR analysis of preCore mRNA, pgRNA and total HBV RNA levels (B-D) and HBcAg levels (E). All data are shown as mean $\pm$ SD. * P < 0.05; ** P < 0.01; *** P < 0.001.



Supplemental Tables

Table S1

siRNA	Sequence
siSMARCA4	5'-GGCUUGAUGGAACCACGAA-3'
siARID1A	5'-GGAGCUAUCUCAAGAUUCA-3'
siARID2	5'-GGCUGUCCAUGGACUUUAA-3'
siBRD9	5'-CACGCAGGCUUUAAGAUGA-3'
siYY1	5'-CCUUCGAUGGUUGUAAUAAGA-3'

Table S2

qPCR and qRT-PCR Primer	Sequence
cccDNA forward primer	5'-GTCTGTGCCTTCTCATCTGC-3'
cccDNA reverse primer	5'-AGTAACTCCACAGTAGCTCCAAATT-3'
cccDNA probe	5'-FAM-TTCAAGCCTCCAAGCTGTGCCTTGGG TGGC-TAMRA-3'
preCore mRNA forward primer	5'-GTAGGCATAAATTGGTCTG-3'
preCore mRNA reverse primer	5'-GTGCAGTATGGTGAGGTGAACAAT-3'
preCore mRNA probe	5'-FAM-CTCAGGAGACTCTAAGGCTTCCCGAT ACAG-TAMRA-3'
GAPDH forward primer	5'-GAAGGTGAAGGTCGGAGTC-3'
GAPDH reverse primer	5'-GAAGATGGTGATGGGATTTC-3'
GAPDH probe	5'-FAM-CAAGCTTCCCGTTCTCAGCC-TAMRA- 3'
pgRNA forward primer	5'-TCGGGAAGCCTTAGAGTC-3'
pgRNA reverse primer	5'-TGCCTCGTCGTCTAACAA-3'
total HBV RNA forward primer	5'-CCGTCTGTCTTCTCATCT-3'
total HBV RNA reverse primer	5'-GACCAATTTATGCCTACAGCCTC-3'
SMARCA4 forward primer	5'-GACCAGCACTCCCAAGGTTAC-3'
SMARCA4 reverse primer	5'-CTGGCCCGGAAGACATCTG-3'
ARID1A forward primer	5'-CCAGCAGAACTCTCACGACC-3'
ARID1A reverse primer	5'-CTGAGCGAAGGACGAAGACG-3'
ARID2 forward primer	5'-CAGTGTGTCGGATTATCTGCG-3'
ARID2 reverse primer	5'-GCATGACGTGCTTGCTTTCATT-3'
BRD9 forward primer	5'-GGCAAGATGGGCTATCTGAAG-3'
BRD9 reverse primer	5'-GGGAGTAGCTTACTGGAGAGC-3'
YY1 forward primer	5'-CCTCTCAGATCCCAAACAACG-3'
YY1 reverse primer	5'-GCCTTTATGAGGGCAAGCTATT-3'

Table S3

MNase q-PCR Primer	Sequence
cccDNA forward primer	5'-CTCCCCGTCTGTGCCTTCT-3'
cccDNA reverse primer	5'-GCCCCAAAGCCACCCAAG-3'
cccDNA probe	5'-FAM-ACGTCGCATGGAGACCACCGTGAACGCC-TAMRA-3'
GAPDH forward primer	5'-TACTAGCGGTTTTACGGGCG-3'
GAPDH reverse primer	5'-TCGAAAGGAGGAGCAGAGAGCGA-3'
GAPDH probe	5'-FAM-AAGGTCGGAGTCAACGGATTTGGTC-TAMRA-3'
MYH6 forward primer	5'-AGAAGCTGCGCTCAGACCTGTCTCG-3'
MYH6 reverse primer	5'-TCCAGGTCCCGCCGCATCTT-3'
EN-I-2 forward primer	5'-ACAAGGCCTTTCTGTGTAAA-3'
EN-I-2 reverse primer	5'-AGGAGCCGAAAAGGTTCCAC-3'
EN-I-3 forward primer	5'-TCGGCTCCTCTGCCGATCCA-3'
EN-I-3 reverse primer	5'-TGCGGGATAGGACAACAGAG-3'
EN-II forward primer	5'-CTCAGCAATGTCAACGACCGA-3'
EN-II reverse primer	5'-ATGCCTACAGCCTCCTAGTACA-3'
DR1 forward primer	5'-GCACCATGCAACTTTTTTACCT-3'
DR1 reverse primer	5'-AGTCAGAAGGCAAAAACGAGA-3'
DR2 forward primer	5'-CCGTCTGTGCCTTCTCATCT-3'
DR2 reverse primer	5'-TTGGGCAATATTTGGTGGGC-3'
SP-I forward primer	5'-TTATTATCCAGAACATCTAG-3'
SP-I reverse primer	5'-ACCCACAAAATGAGGCGCTA-3'
SP-II forward primer	5'-CCAGGTCTGTGCCAAGTGTT-3'
SP-II reverse primer	5'-TTGCGGGATAGGACAACAGA-3'
XP forward primer	5'-CAGACGCCAACAAGGTAGGA-3'
XP reverse primer	5'-CATGGCCTGAGGATGAGTGTT-3'
CP forward primer	5'-TTGGGGGAGGAGATTAGGTT-3'
CP reverse primer	5'-TTAGGCAGAGGTGAAAAAGTTGC-3'