

## LHBs can elevate the expression of MDR1 through HIF-1 $\alpha$ in patients with CHB infection: a comparative proteomic study

### Supplementary Materials

#### Supplementary Table S1: Demographic and clinic characteristics of individuals included in this study

Group	Total (n)	Age (year) mean $\pm$ SD	Gender (male/female)	ALT (U/L) (median, range)	HBsAg status (n) (positive/negative)	HBeAg status (n) (positive/negative)	HBV DNA (log copies/ml) (median, range)
Healthy controls	26	29 $\pm$ 14.1	19/7	23 (8,51)	0/26	NA	NA
Chronic hepatitis B	102	37 $\pm$ 11.4	72/30	154 (61,627)	102/0	56/46	5.23 (3.12, 8.90)

Abbreviations: ALT, alanine aminotransferase; HBsAg, hepatitis B surface antigen; HBeAg, hepatitis B e antigen; HBV DNA, hepatitis B virus deoxyribose nucleic acid; NA, not applicable.

**Supplementary Table S2: List of DPSs between CHB patients and non-HBV infected individuals by iTRAQ.** See Supplementary\_Table\_S2

**Supplementary Table S3: Partial list of proteins found to be differentially expressed between CHB patients and non-HBV infected individuals by iTRAQ.** See Supplementary\_Table\_S3

**Supplementary Table S4: List of the 345 transcriptional factors detected between pCMV-tag2B-LS and pCMV-tag2B plasmid transfected HepG2 cells.** See Supplementary\_Table\_S4

**Supplementary Table S5: List of differentially expressed transcriptional factors between pCMV-tag2B-LS and pCMV-tag2B plasmid transfected HepG2 cells (at least 5-fold).** See Supplementary\_Table\_S5

**Supplementary Table S6: List of differentially expressed transcriptional factors between pCMV-tag2B-LS and pCMV-tag2B plasmid transfected HepG2 cells (At least 10-fold in up-regulated and 5-fold in down-regulated).** See Supplementary\_Table\_S6

**Supplementary Table S7: List of gene-specific primers used in this study.** See Supplementary\_Table\_S7

**Supplementary Table S8: Primers, length of qRT-PCR products, and restriction enzyme cutting sites of LHBs, MHBs, SHBs and X protein of HBV**

Protein name	Forward primer	Reverse primer	Length of PCR product (bp)	Restriction enzyme cutting site
Large surface protein of HBV (LHBs)	5'- <u>CTGCAGGGGCAG</u> AATCTTTCCACCA-3'	5'- <u>AAGCTTTTAAATGT</u> ATACCCAAAGACAA-3'	1,170	Pst I: CTGCAG Hand III: AAGCTT
Middle surface protein of HBV (MHBs)	5'- <u>CTGCAGCAGTGG</u> AATTCCACAACCT-3'	5'- <u>AAGCTTTTAAATGT</u> ATACCCAAAGACAA-3'	843	Pst I: CTGCAG Hand III: AAGCTT
Small surface protein of HBV (SHBs)	5'- <u>GAATTCGAGAA</u> CATCGCATCAGGA-3'	5'- <u>CTCGAGTTAAATG</u> TATACCCAAAGACA-3'	679	EcoR I :GAATTC Xho I: CTCGAG
X protein of HBV (HBx)	5'- <u>CCGCTCGAGATGG</u> CTGCTAGGGTGTG-3'	5'- <u>CGGAATTCCTAGGC</u> AGAGGTGAAAAAGT-3'	465	Xho I: CTCGAG EcoR I :GAATTC