

Direct interaction between the hepatitis B virus core and envelope proteins analyzed in a cellular context

Florentin Pastor¹, Charline Herrscher¹, Romuald Patient¹, Sebastien Eymieux¹, Alain Moreau¹, Julien Burlaud-Gaillard², Florian Seigneuret¹, Hugues de Rocquigny^{1,*}, Philippe Roingeard^{1,2*} and Christophe Hourieux^{1,2,*}

¹: INSERM U1259 MAVIVH – University of Tours and CHRU of Tours, Tours, France

²: Plate-Forme IBiSA des Microscopies, PPF ASB – University of Tours and CHRU of Tours, Tours, France.

To whom correspondence should be addressed:

*: hourieux@med.univ-tours.fr ; roingeard@med.univ-tours.fr; hderocquigny@univ-tours.fr

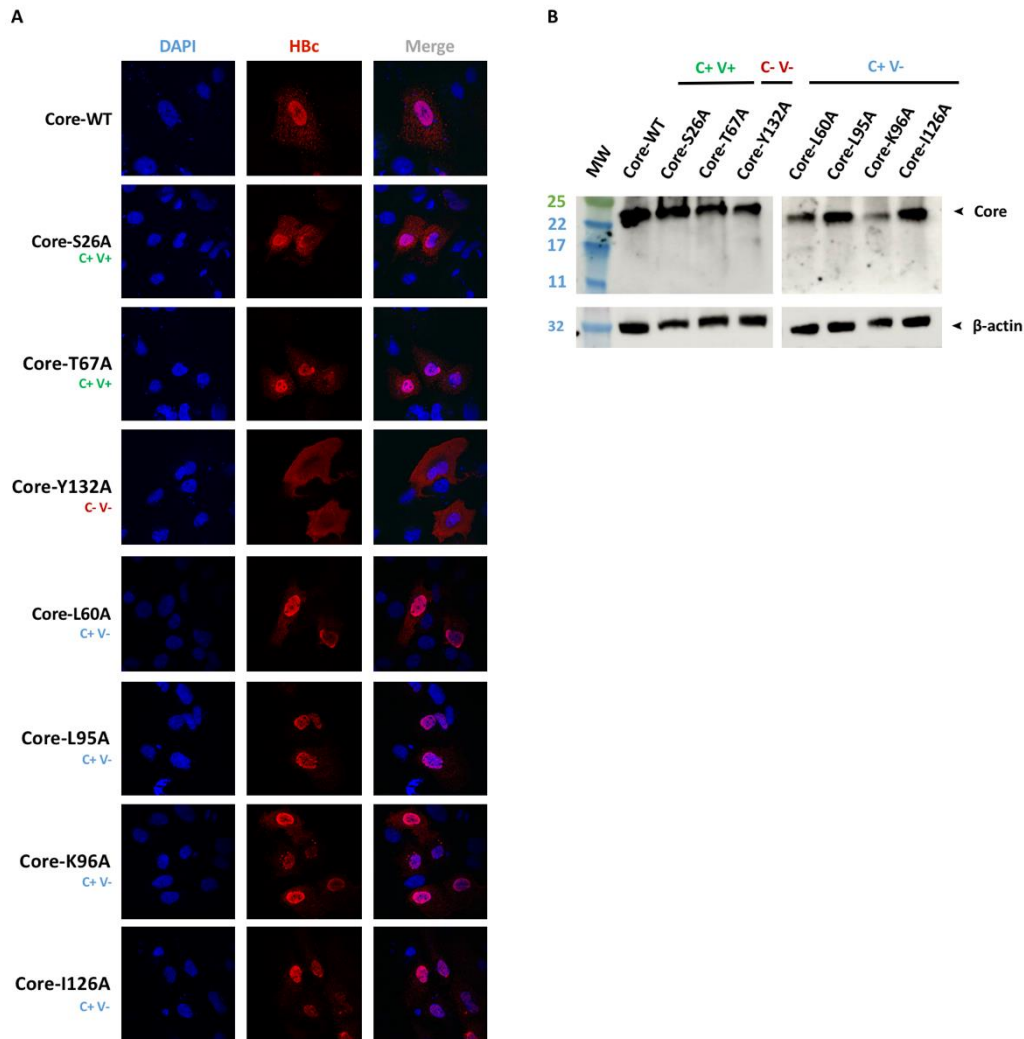


Figure S4. Expression of the MBD-mutant core proteins. Huh7 cells were transfected by incubation for three days with plasmids encoding the WT core protein or one of the seven mutant core proteins. **(A)** The cellular distribution of each of the encoded proteins was evaluated by confocal immunofluorescence microscopy after the staining of the cells with an anti-HBc antibody (in red) and counterstaining with DAPI (in blue). **(B)** Cell lysates were also analyzed by western blotting with an anti-HBc antibody, with β -actin levels used for normalization. The capsid formation and virion secretion abilities of each mutant protein are reported at the top of the figure.