

**Table S1 - Clinical parameters of sequential NUC therapy patients (Cohort 1).**

|                    | <b>ALT*</b><br>(IU/L)<br><b>[138]</b> | <b>HBV DNA*</b><br>(log <sub>10</sub> IU/ml)<br><b>[7.64]</b> | <b>HBsAg*</b><br>(log <sub>10</sub> IU/ml)<br><b>[4.13]</b> | <b>ALT**</b><br>(IU/L)<br><b>[25]</b> | <b>HBV DNA**</b><br>(log <sub>10</sub> IU/ml)<br><b>[1.30]</b> | <b>HBsAg**</b><br>(log <sub>10</sub> IU/ml)<br><b>[3.20]</b> | <b>NUC</b><br><b>analogue</b> | <b>HBsAg</b><br><b>reduction</b><br><b>on NUC</b> | <b>HBeAg</b><br><b>seroconversion</b><br><b>on NUC</b> | <b>CMV</b><br><b>status</b> | <b>HLA-A2</b><br><b>status</b> |
|--------------------|---------------------------------------|---|---|---------------------------------------|--|--|-------------------------------|---|--|-----------------------------|--------------------------------|
| Pt.2               | 153                                   | 8.53  | 4.53  | 36                                    | 1.30   | 3.43   | Entecavir                     | Yes   | No   | Positive                    | Negative                       |
| Pt.3               | 118                                   | 7.71  | 4.06  | 40                                    | 1.30   | 3.47   | Tenofovir                     | Yes   | No   | Positive                    | Negative                       |
| Pt.4               | 102                                   | 8.38  | 4.48  | 21                                    | 1.30   | 2.57   | Tenofovir                     | Yes   | Yes  | Positive                    | Negative                       |
| Pt.6               | 202                                   | 8.42  | 4.13  | 19                                    | 1.30   | 4.13   | Entecavir                     | No  | No   | Negative                    | Positive                       |
| Pt.8               | 81                                    | 6.98  | 3.37  | 15                                    | 1.30   | 3.88   | Tenofovir                     | No  | Yes  | Positive                    | Positive                       |
| Pt.11              | 232                                   | 6.79  | 4.36  | 40                                    | 1.30   | 3.73   | Tenofovir                     | Yes   | Yes  | Positive                    | Negative                       |
| Pt.13              | 204                                   | 3.37  | 3.89  | 20                                    | 1.30   | 0  | Entecavir                     | Yes <sup>^</sup>                                  | Yes  | Positive                    | Positive                       |
| Pt.15              | 24                                    | 7.23  | 3.03  | 13                                    | 1.30   | 3.38   | Entecavir                     | No  | No   | Positive                    | Negative                       |
| Pt.16              | 150                                   | 8.79  | 4.02  | 26                                    | 1.30   | 3.25   | Tenofovir                     | Yes   | No   | Positive                    | Negative                       |
| Pt.19 <sup>§</sup> | 57                                    | 8.66  | 5.07  | 21                                    | 1.30   | 3.27   | Entecavir                     | Yes   | Yes  | Positive                    | Positive                       |
| Pt.20 <sup>§</sup> | 138                                   | 8.17  | 4.02  | 21                                    | 1.30   | 3.83   | Tenofovir                     | Yes   | No   | Positive                    | Negative                       |
| Pt.21 <sup>§</sup> | 152                                   | 8.68  | 4.54  | 18                                    | 1.30   | 3.37   | Tenofovir                     | Yes   | No   | Positive                    | Positive                       |
| Pt.22 <sup>§</sup> | 99                                    | 8.17  | 3.83  | 27                                    | 1.30   | 2.87   | Tenofovir                     | Yes   | Yes  | Positive                    | Negative                       |
| Pt.23 <sup>§</sup> | 232                                   | 7.05  | 4.52  | 33                                    | 1.30   | 3.81   | Tenofovir                     | Yes   | No   | Positive                    | Negative                       |

Numbers in brackets under headings; ALT, HBV DNA & HBsAg = mean values

\* - denotes ALT, HBV DNA & HBsAg at time of sequential NUC initiation

\*\* - denotes ALT, HBV DNA & HBsAg at time of viral suppression

<sup>^</sup> - sustained HBsAg loss

<sup>§</sup> - sampled only at selected time-points on sequential NUC therapy