|  |  |  |  |
| --- | --- | --- | --- |
| **Supplementary Table 3. Characteristics of prior HBV** | | | |
|  | **Chronic HBV** | | **Loss of HBsAg** |
|  | **e antigen positive** | **e antigen negative** |
| Age | 30.50±8.58 | 39.67±2.31 | 34±8.66 |
| Male gender | 2 (50%) | 1 (33.3%) | 2 (66.6%) |
| Family history | 2 (50%) | 2 (66.6%) | 3 (100%） |
| HBV Genotype (B/C/NA) | 2/2/0 | 1/2/0 | 1/1/1c |
| Serum HBsAg level, IU/mL | 4.16±0.63 | 2.5±0.96a | ＜0.05 |
| Serum HBV DNA level, IU/mL | 8.01±0.39 | 3.24±3.58b | —# |
| Serum ALT, IU/mL | 42±19.41 | 26±11.53 | 19.67±24.66 |
| Serum AST, IU/mL | 35±10.71 | 32±16.46 | 22±11.36 |
| Integrated sites | 132 | 304 | 3 |
| Integration in protein-coding gene | 59 | 141 | 1 |
| Liver cancer driver gene integration | 4 | 23 | 1 |
| Liver pathology\* |  |  |  |
| Inflammation, 0/1/2/3/4 | 0/2/1/1/0 | 0/2/0/1/0 | 0/2/1/0/0 |
| Fibrosis, 0/1/2/3/4 | 1/2/0/1/0 | 0/2/0/1/0 | 0/2/1/0/0 |
|

aPatient N342 was excluded because serum HBsAg was 1092 COI by using another method (details in Methods); bPatient N342 was excluded because serum HBV DNA was 1.01 × 108 IU/mL by another method (details in Methods) cGenotype could not be determined because of lack of virus reads (<20 per sample) in patient F807; \*Liver pathology according to Scheuer; #COBAS did not detect serum HBV DNA <20 IU/mL, or HBV target was not detected. ALT, alanine aminotransferase; AST, aspartate aminotransferase; cccDNA, covalently closed circular DNA; HBsAg, hepatitis B surface antigen; HBV, hepatitis B virus.