**Supplementary Table 7. Multivariate logistic regression analysis of PGS with HBsAg loss in the two PegIFNα cohorts.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameters** | **PegIFNα cohort 1** | |  | **PegIFNα cohort 2** | |  | **PegIFNα cohort 1+2** | |
| **OR (95% CI)** | ***p*** |  | **OR (95% CI)** | ***p*** |  | **OR (95% CI)** | ***p*** |
| Trial (PegIFNα cohort 1 vs. 2) | - | - |  | - | - |  | - | - |
| Sex (Female vs. Male) | - | - |  | - | - |  | - | - |
| Age, years | - | - |  | - | - |  | - | - |
| HBV genotype (B vs. C) | 7.06 (0.77-64.55) | 0.08 |  | - | - |  | 2.81 (1.11-7.10) | 0.03 |
| HBV DNA#, log10 IU/mL | - | - |  | - | - |  | - | - |
| HBsAg#, log10 IU/mL | - | - |  | - | - |  | - | - |
| HBeAg#, log10 PEIU/mL | - | - |  | - | - |  | - | - |
| ALT#, loge ×ULN | - | - |  | 0.30 (0.09-1.06) | 0.06 |  | 0.46 (0.19-1.09) | 0.08 |
| PGS | - | - |  | 2.09 (1.13-3.89) | 0.02 |  | 1.86 (1.11-3.14) | 0.02 |

PGS, polygenic score; HBsAg, hepatitis B surface antigen; PegIFNα, pegylated interferon alpha; OR, odds ratio; CI, confidence interval; HBV, hepatitis B virus; HBeAg, hepatitis B e antigen; ALT, alanine aminotransferase; ULN, upper limit of normal. #Baseline level.