## Supplementary Table 3. Univariate and multivariate analysis by including APRI (follow-up duration: 5 years)

|                          | Univariate          | Multivariable         |          |          |          |          |          |
|--------------------------|---------------------|-----------------------|----------|----------|----------|----------|----------|
|                          | No. of patients     | HR        | 95% CI    | P-value  | \( \chi^2 \) score | Adjusted HR | 95% CI    | P-value  |
| Male sex                 | 8,353 (55.0)        | 1.96      | 1.31–2.95 | 0.001    | 7.09     | 2.00      | 1.20–3.33 | 0.008    |
| Age (years)              |                     |           |           |          |          |          |          |          |
| <50                      | 6,319 (41.6)        | 1         | 1         |          | 1        |          |          |          |
| 50–60                    | 4,833 (31.8)        | 5.64      | 2.83–11.23| <0.001   | 16.24    | 5.01      | 2.29–10.96| <0.001   |
| 60–70                    | 2,668 (17.6)        | 9.19      | 4.56–18.53| <0.001   | 12.21    | 4.69      | 1.97–11.15| <0.001   |
| ≥70                      | 1,367 (9.0)         | 13.65     | 6.55–28.43| <0.001   | 37.49    | 13.70     | 5.93–31.66| <0.001   |
| Bilirubin >18 µmol/L     | 2,537 (16.7)        | 2.00      | 1.33–3.01 | 0.001    |          |          |          |          |
| Platelet <150×10^9/L     | 2,654 (17.5)        | 3.40      | 2.34–4.95 | <0.001   | 10.58    | 2.23      | 1.37–3.61 | 0.001    |
| HBV DNA >2,000 IU/mL     | 8,849 (58.3)        | 2.07      | 1.36–3.15 | 0.001    | 4.58     | 1.80      | 1.05–3.09 | 0.032    |
| APRI >2                  | 1,019 (7.8)         | 1.75      | 0.93–3.29 | 0.084    |          |          |          |          |
| HBeAg (+)                | 2,431 (16.0)        | 0.86      | 0.49–1.49 | 0.586    |          |          |          |          |
| DM                       | 6,785 (44.7)        | 2.18      | 1.49–3.19 | <0.001   |          |          |          |          |

Values are presented as number (%) unless otherwise indicated.

APRI, aspartate aminotransferase to platelet ratio index; HR, hazard ratio; CI, confidence interval; HBV, hepatitis B virus; HBeAg, hepatitis B e antigen; DM, diabetes mellitus.