

Supplemental Table 1. Baseline characteristics of biopsy-confirmed Chinese MAFLD patients

|  | Biopsy-confirmed NAFLD<br>N = 427 |
|--|-----------------------------------|
| <b><i>Clinical and laboratory parameters</i></b> |                                   |
| Age (years)                                      | 41.1 ± 12.0                       |
| Male sex(%)                                      | 315 (73.8%)                       |
| Diabetes (%)                                     | 137 (32.1%)                       |
| Hypertension (%)                                 | 157 (36.8%)                       |
| Waist circumference (cm)                         | 91.4 ± 8.7                        |
| BMI (kg/m <sup>2</sup> )                         | 26.7 ± 3.3                        |
| HOMA-IR score                                    | 5.5 ± 8.1                         |
| Platelet count (10 <sup>9</sup> /L)              | 245.5 ± 61.9                      |
| Hemoglobin A1c (%)                               | 6.1 ± 1.4                         |
| Fasting glucose (mmol/L)                         | 5.7 ± 1.5                         |
| Total cholesterol (mmol/L)                       | 5.1 ± 1.2                         |
| Triglycerides (mmol/L)                           | 2.3 ± 1.5                         |
| HDL-cholesterol (mmol/L)                         | 1.0 ± 0.2                         |
| LDL-cholesterol (mmol/L)                         | 3.1 ± 0.9                         |
| Albumin (g/L)                                    | 46.3 ± 3.8                        |
| ALT (U/L)  | 76.3 ± 73.4                       |
| AST (U/L)  | 47.4 ± 35.1                       |
| GGT (U/L)  | 73.3 ± 95.7                       |
| Creatinine (μmol/L)                              | 67.0 ± 14.1                       |
| Uric acid (μmol/L)                               | 392.0 ± 107.1                     |
| <b><i>Liver histology scores</i></b>             |                                   |
| Steatosis scores                                 | 1.7 ± 1.1                         |
| Hepatocyte ballooning scores                     | 1.3 ± 0.6                         |
| Lobular inflammation scores                      | 1.2 ± 0.5                         |
| Fibrosis scores                                  | 1.0 ± 0.9                         |
| <b><i>Liver histology features</i></b>           |                                   |
| Steatosis (%)                                    |                                   |
| Mild steatosis (<2)                              | 201 (47.1%)                       |
| Severe steatosis (≥2)                            | 226 (52.9%)                       |
| Hepatocyte ballooning (%)                        |                                   |
| Mild ballooning (<2)                             | 270 (63.2%)                       |
| Severe ballooning (≥2)                           | 157 (36.8%)                       |

|                                  |       |             |
|----------------------------------|-------|-------------|
| Lobular inflammation (%)         |       |             |
| Mild inflammation (<2)           |       | 343 (80.3%) |
| Severe inflammation ( $\geq 2$ ) |       | 84 (19.7%)  |
| Presence of fibrosis (%)         |       | 287 (67.2%) |
| Steatohepatitis (%)              |       | 250 (58.5%) |
| <b>SNPs polymorphism</b>         |       |             |
| <i>HSD17B13</i> rs72613567       |       |             |
|                                  | T/T   | 198 (47.3%) |
|                                  | T/TA  | 176 (42.0%) |
|                                  | TA/TA | 45 (10.7%)  |
| <i>HSD17B13</i> rs6531975        |       |             |
|                                  | G/G   | 209 (49.8%) |
|                                  | G/A   | 170 (40.5%) |
|                                  | A/A   | 41 (9.8%)   |
| <i>PNPLA3</i> rs738409           |       |             |
|                                  | C/C   | 125 (29.8%) |
|                                  | C/G   | 197 (47.0%) |
|                                  | G/G   | 97 (23.2%)  |

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Categorical values are shown as n (%). Continuous variables are shown as mean  $\pm$  SD.

**Abbreviations:** BMI, body mass index; HOMA-IR, homeostasis model assessment-insulin resistance; HDL, high density lipoprotein; LDL, low density lipoprotein; ALT, alanine aminotransferase; AST, aspartate aminotransferase; HSD17B13, hydroxysteroid 17-beta dehydrogenase 13; PNPLA3, patatin-like phospholipase domain containing protein 3.