

Table SI. Clinicopathological characteristics of patients with hepatocellular carcinoma (n=221).

| Characteristic                                      | Result                |
|-----------------------------------------------------|-----------------------|
| Age, years, median (range)                          | 52 (18-81)            |
| Sex (Male/Female)                                   | 188/33                |
| Hepatitis (HBV/HCV/HBV+HCV/None)                    | 201/2/3/15            |
| Liver cirrhosis (No/Yes)                            | 28/193                |
| AFP, ng/ml, median (range)                          | 109.5 (0.85-60,500.0) |
| $\gamma$ -GT, U/l, median (range)                   | 63.0 (0-1111.0)       |
| Child-Pugh score (A/B)                              | 221/0                 |
| Tumor size, cm, median (range)                      | 5.0 (0.9-23)          |
| Tumor number (Single/Multiple)                      | 172/49                |
| Tumor encapsulation (Complete/None)                 | 113/108               |
| Tumor differentiation (I-II/III-IV)                 | 131/90                |
| Vascular invasion (No/Microscopic/Macroscopic)      | 130/22/69             |
| TNM stage (I/II/III)                                | 106/74/41             |
| BCLC stage (A/B/C)                                  | 80/50/91              |
| Prophylactic therapy (None/TACE/Immunotherapy)      | 77/114/30             |
| Post-relapse therapy (None/TACE/Regional/Resection) | 26/55/5/15            |

HBV, hepatitis B virus; HCV, hepatitis C virus; AFP,  $\alpha$ -fetoprotein;  $\gamma$ -GT,  $\gamma$ -glutamyl transferase; TNM, tumor-node-metastasis; BCLC, Barcelona clinic liver cancer; TACE, transcatheter arterial chemoembolization. TNM stage, BCLC stage and the Child-Pugh scores were classified based on previous studies (39-41).