| Parameter                        | Number of patients |
|---------------------------------|--------------------|
| Age (years)                     |                    |
| ≤40                             | 1                  |
| 40-60                           | 3                  |
| ≥60                             | 6                  |
| Gender                          |                    |
| Male                            | 7                  |
| Female                          | 3                  |
| HBV infection                   |                    |
| Yes                             | 7                  |
| No                              | 3                  |
| Tumor size (cm)                 |                    |
| <5                              | 6                  |
| ≥5                              | 4                  |
| TNM stage                       |                    |
| I-II                            | 7                  |
| III-IV                          | 3                  |
| Liver Cirrhosis                 |                    |
| Yes                             | 5                  |
| No                              | 5                  |

Abbreviations: HBV, hepatitis B virus; TNM, tumor node metastasis.
Figure S1. The transfection efficiencies were measured in LO2, HepG2, Huh7 and HepG2.2.15 cells by qRT-PCR. A-C. The expression level of LINC00355:8 is increased after transfection with LINC00355:8 lentiviruses in LO2, HepG2 and Huh7 cells. D-F. The expression level of LINC00355:8 was decreased after transfection with LINC00355:8 siRNA in HepG2 HepG2.2.15 and Huh7 cells. Error bars represent the mean ± SD of at least three experiments. $P<0.05$ by using Student's $t$-test.