



Supplementary Figure 1 The optimal cut-off value for the total nomogram scores.

Supplementary Table 1 The LASSO coefficient of screened variables

| Characteristics | LASSO coefficient |
|-----------------|-------------------|
| Etiology | 0.19065276 |
| Ascites | 0.57517117 |
| GOV | 1.07368874 |
| PLT | -0.19219159 |
| ALB | -0.06187375 |
| PT | 0.07937926 |
| INR | 0.2176875 |
| D-D | 0.80006434 |
| PVD | 0.5148895 |
| SVD | 0.23694308 |
| PVV | -0.17586127 |
| ANRI | -0.26503181 |
| PLR | 0.3277751 |