

Table S3. Results of univariate Cox analysis based on clinical characteristics and risk score of samples.

| Variable | B | SE | Z | HR | HR. 95L | HR. 95H | <i>P</i> value |
|------------|----------|----------|----------|----------|----------|----------|----------------|
| Age | 0.019611 | 0.005495 | 3.569115 | 1.019805 | 1.008881 | 1.030847 | 0.000358 |
| Gender | 0.034296 | 0.17268 | 0.198608 | 1.03489 | 0.73775 | 1.45171 | 0.842569 |
| Stage | 0.387045 | 0.097182 | 3.982678 | 1.472623 | 1.217223 | 1.781613 | 6.81E-05 |
| T | 0.368358 | 0.077149 | 4.774609 | 1.445359 | 1.242528 | 1.681301 | 1.80E-06 |
| M | 0.540633 | 0.456991 | 1.183027 | 1.717093 | 0.701136 | 4.205187 | 0.236799 |
| N | 0.366769 | 0.080041 | 4.582278 | 1.443064 | 1.233544 | 1.68817 | 4.60E-06 |
| Risk Score | 0.316653 | 0.041376 | 7.653117 | 1.372526 | 1.265615 | 1.488468 | 1.96E-14 |