

**SUPPLEMENTARY TABLE**

**Supplementary Table 1. Survival/clinicopathological information of 514 KIRC patients.**

| <b>Characteristics</b>  | <b>Frequency (N=514)</b> | <b>Percentage (%)</b> |
|-------------------------|--------------------------|-----------------------|
| <b>Age</b>              |                          |                       |
| <65                     | 325                      | 63.2                  |
| ≥65                     | 189                      | 36.8                  |
| <b>Gender</b>           |                          |                       |
| FEMALE                  | 180                      | 35.0                  |
| MALE                    | 334                      | 65.0                  |
| <b>Grade</b>            |                          |                       |
| G1                      | 13                       | 2.5                   |
| G2                      | 217                      | 42.2                  |
| G3                      | 201                      | 39.1                  |
| G4                      | 75                       | 14.6                  |
| GX                      | 5                        | 1.0                   |
| unknown                 | 3                        | 0.6                   |
| <b>Pathologic stage</b> |                          |                       |
| Stage I                 | 252                      | 49.0                  |
| Stage II                | 55                       | 10.7                  |
| Stage III               | 122                      | 23.7                  |
| Stage IV                | 82                       | 16.0                  |
| unknown                 | 3                        | 0.6                   |
| <b>Survival status</b>  |                          |                       |
| Alive                   | 343                      | 66.7                  |
| Dead                    | 171                      | 33.3                  |
| <b>T stage</b>          |                          |                       |
| T1                      | 258                      | 50.2                  |
| T2                      | 67                       | 13.0                  |
| T3                      | 178                      | 34.6                  |
| T4                      | 11                       | 2.1                   |
| <b>M stage</b>          |                          |                       |
| M0                      | 404                      | 78.6                  |
| M1                      | 78                       | 15.2                  |
| MX                      | 30                       | 5.8                   |
| unknown                 | 2                        | 0.4                   |
| <b>N stage</b>          |                          |                       |
| N0                      | 228                      | 44.4                  |
| N1                      | 16                       | 3.1                   |
| Nx                      | 270                      | 52.5                  |