**Table S1**

|  |  |  |
| --- | --- | --- |
| Characteristics | TCGA(*N*=374) | GEO(*N*=81) |
| NO | % | NO | % |
| Sex | Female | 122 | 32.62% | 17 | 20.99% |
| Male | 252 | 67.38% | 64 | 79.01% |
| Age |  | 61.00 [51.00;69.00] | - |
| Pathologigalstage | I | 175 | 46.79% | 16 | 19.75% |
| II | 87 | 23.26% | 22 | 27.16% |
| III | 86 | 22.99% | 31 | 38.27% |
| IV | 5 | 1.34% | 5 | 6.17% |
| Unkown | 21 | 5.62% | 7 | 8.65% |
| T | T1 | 185 | 49.47% | - | - |
| T2 | 95 | 25.40% |  |  |
| T3 | 81 | 21.66% |  |  |
| T4 | 12 | 3.21% |  |  |
| unknow | 1 | 0.26% |  |  |
| N | N0 | 257 | 68.72% | - | - |
| N1 | 4 | 1.07% |  |  |
| NX | 112 | 29.94% |  |  |
| unknow | 1 | 0.27% |  |  |
| M | M0 | 272 | 72.73% | - | - |
| M1 | 4 | 1.07% |  |  |
| MX | 98 | 26.20% |  |  |
| Survival time |  | 598.50 [329.50;1088.75] | 731.85±384.82 |
| OS status | 0 | 242 | 64.71% | 16 | 19.8% |
| 1 | 132 | 35.29% | 65 | 80.2% |