**Table S1** The overall survival and progression free survival of each cluster in different gastric cancer type

| GC types | | OS median survival | P value | PFS median survival | P value |
|---|---|---|---|---|---|
| TASTAD | Cluster_1 | 23.41 | 0.186 | 55.43 | 0.5088 |
| | Cluster_2 | Undefined | | 34.45 | |
| ISTAD | Cluster_1 | 37.91 | 0.1473 | 64.08 | 0.392 |
| | Cluster_2 | 21.73 | | 45.24 | |
| DSTAD | Cluster_1 | 59.54 | 0.9791 | 55.1 | 0.2496 |
| | Cluster_2 | Undefined | | 17.85 | |
| STAD | Cluster_1 | 25.61 | 0.721 | 26.53 | 0.5534 |
| | Cluster_2 | 21.44 | | Undefined | |

OS, overall survival; PFS, progression-free survival.

**Table S2** The performance of the model to distinguish the SRCC and MSTAD type

| Indicator | SRCC | MSTAD |
|---|---|---|
| AUC | 0.91 | 0.91 |
| Sensitivity | 0.78 | 0.83 |
| Specificity | 0.92 | 0.85 |