**TABLE S2 The clinical information of the patients.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | Training set  | verification 1 set | verification 2 set | verification 3 set |
| Survival status |  |  |  |  |
| Alive | 57 (40.7%) | 147 (26.6%) | 33 (45.8%) | 24 (35.3%) |
| Dead | 83 (59.3%) | 406 (73.4%) | 39 (54.2%) | 44 (64.7%) |
| age |  |  |  |  |
| >65 | 29 (20.7%) | 160 (28.9%) | 19 (26.4%) | 10 (14.7%) |
| <=65 | 111 (79.3%) | 393 (71.1%) | 53 (73.6%) | 58 (85.3%) |
| gender |  |  |  |  |
| MALE | 76 (54.3%) | NA  | 39 (54.2%) | 37 (54.4%) |
| FEMALE | 64 (45.7%) | NA  | 33 (45.8%) | 31 (45.6%) |