Table S1 Patient clinical and pathologic characteristics for TCGA-HNSC dataset.

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|  | TCGA-HNSC (n=499) |
| Age | <65 | 310(62.12%) |
| >=65 | 189(37.88%) |
| Gender | Male | 366(73.35%) |
| Female | 133(26.65%) |
| Pathologic Stage | I-II | 94(18.84%) |
| III-IV | 337(67.54%) |
| Unknown | 68(13.63%) |
| T stage | I-II | 177(35.47%) |
| III-IV | 267(53.51%) |
| Unknown | 55(11.02%) |
| N stage | NO | 170(34.07%) |
| N1-3 | 236(47.29%) |
| Unknown | 93(18.64%) |
| M stage | M0 | 185(37.07%) |
| M1 | 1 (0.2%) |
| Unknown | 313(62.73%) |
| Grade | G1-2 | 359(71.94%) |
|  | G3-4 | 121(24.25%) |
|  | unknown | 19(3.81%) |