

Table SI. Clinicopathological data of the cohort.

| Characteristic | Number of patients (%) |
|---------------------------|------------------------|
| Age, years | |
| <60 | 82 (35.8) |
| ≥60 | 147 (64.1) |
| Sex | |
| Male | 165 (72.0) |
| Female | 64 (27.9) |
| Ethnicity | |
| Han | 119 (51.9) |
| Kazakh | 110 (48.0) |
| Tumor size, cm | |
| ≥3 | 157 (58.5) |
| <3 | 72 (31.4) |
| Tumor location | |
| Upper | 12 (5.2) |
| Middle | 139 (60.6) |
| Lower | 78 (34.0) |
| Lymph node metastasis | |
| No | 155 (67.6) |
| Yes | 74 (32.3) |
| Degree of differentiation | |
| Poorly differentiated | 46 (20.0) |
| Moderately differentiated | 123 (53.7) |
| Well differentiated | 60 (26.2) |
| Vascular invasion | |
| No | 187 (81.6) |
| Yes | 42 (18.3) |
| Nerve invasion | |
| No | 181 (79.0) |
| Yes | 48 (20.9) |
| Hematogenous metastasis | |
| No | 189 (86.4) |
| Yes | 31 (13.5) |
| Post-radiochemotherapy | |
| No | 150 (65.5) |
| Yes | 79 (34.4) |
| MTA1 | |
| Positive | 194 (84.7) |
| Negative | 35 (15.2) |
| SOX4 | |
| Positive | 153 (66.8) |
| Negative | 76 (33.1) |
| EZH2 | |
| Positive | 95 (41.4) |
| Negative | 134 (58.5) |
| AJCC stage | |
| IA+B | 18 (7.8) |
| IIA+B | 143 (62.4) |
| IIIA+B | 47 (20.5) |
| IVA+B | 21 (9.1) |

AJCC, American Joint Committee on Cancer; EZH2, enhancer of zeste homolog 2; MTA1, metastasis-associated protein 1.