

Supplementary Table 1: Univariate and multivariate Cox models for the correlation between survival and clinicopathological factors in patients with ESCC

| Variables             |                | Univariate analysis |              |              | Multivariate analysis |             |              |
|-----------------------|----------------|---------------------|--------------|--------------|-----------------------|-------------|--------------|
|                       |                | HR                  | 95% CI       | P-value      | HR                    | 95% CI      | P-value      |
| Gender                | Female vs.Male | 0.987               | 0.692-1.407  | 0.942        | 1.056                 | 0.699-1.596 | 0.796        |
| Age                   | >60 vs. ≤60    | 0.967               | 0.752-1.242  | 0.790        | 0.962                 | 0.746-1.241 | 0.767        |
| Smoking status        | yes vs. no     | 1.110               | 0.846-1.456  | 0.453        | 1.254                 | 0.911-1.726 | 0.165        |
| Lymph node metastasis | yes vs. no     | 2.148               | 1.636-2.820  | <b>0.000</b> | 2.027                 | 1.537-2.673 | <b>0.000</b> |
| Tumor grade           | 2 vs.1         | 1.326               | 0.974-1.804  | 0.073        | 1.207                 | 0.882-1.650 | 0.240        |
|                       | 3 vs.1         | 1.798               | 1.234-2.6221 | <b>0.002</b> | 1.564                 | 1.067-2.294 | <b>0.022</b> |
| Pathological T        | 2 vs.1         | 1.378               | 0.698-2.720  | 0.355        | 1.234                 | 0.621-2.455 | 0.548        |
|                       | 3 vs.1         | 1.696               | 0.921-3.122  | 0.090        | 1.423                 | 0.768-2.640 | 0.263        |
|                       | 4 vs.1         | 3.642               | 1.829-7.252  | <b>0.000</b> | 3.177                 | 1.583-6.377 | <b>0.001</b> |
| EP300                 | mutant vs.WT   | 1.668               | 1.062-2.621  | <b>0.026</b> | 1.809                 | 1.143-2.864 | <b>0.011</b> |