Table S1. Summary of multivariate analysis for overall survival in lung ADC and SCC patients

| Variables        | ADC                  |                  | SCC                  |                  |
|------------------|----------------------|------------------|----------------------|------------------|
|                  | Exp (B) | 95% CI            | p       | Exp (B) | 95% CI            | p       |
| PD-L1            | 0.216    | (0.096, 0.484)    | 0.000*  | 0.847   | (0.417, 1.722)    | 0.646  |
| HIF-α            | 0.490    | (0.233, 1.030)    | 0.060   | 0.321   | (0.115, 0.890)    | 0.029* |
| Clinical stage   | 0.378    | (0.188, 0.761)    | 0.006*  | 0.533   | (0.257, 1.102)    | 0.090  |
| LNM status       | 1.453    | (0.723, 2.918)    | 0.294   | 2.207   | (1.013, 4.807)    | 0.046* |
| Pathological grade | 0.812   | (0.447, 1.475)    | 0.493   | 0.330   | (0.155, 0.705)    | 0.004* |
| Gender           | 1.100    | (0.597, 2.024)    | 0.760   | 0.000   | -                 | 0.979  |
| Age              | 0.838    | (0.458, 1.531)    | 0.565   | 0.916   | (0.437, 1.917)    | 0.815  |

Abbreviations: ADC: adenocarcinoma; SCC: squamous cell carcinoma; LNM: lymph node metastasis; CI: confidence interval; Exp(β): odds ratio; -: not applicable; *: p<0.05.