

**Table S1. Details of COX Regression Analysis**

<b>Univariate COX Regression Analysis</b>		<b>HR (95% CI)</b>	<b>P value</b>
<b>Age</b>			
	> 70y vs ≤ 70y	1.658 ( 1.371, 2.005)	<0.001
<b>Sex</b>			
	Female vs Male	0.560 ( 0.464, 0.675)	<0.001
<b>Race</b>			0.309
	Black vs White	1.211 ( 0.815, 1.801)	0.344
	Other vs White	0.658 ( 0.327, 1.324)	0.240
<b>Histology</b>			<0.001
	LUAD vs LUSC	0.546 ( 0.441, 0.677)	<0.001
	OC vs LUSC	0.476 ( 0.352, 0.644)	<0.001
<b>Location</b>			0.192
	RML vs RUL	1.064 ( 0.589, 1.924)	0.837
	RLL vs RUL	0.787 ( 0.594, 1.042)	0.094
	LUL vs RUL	0.980 ( 0.774, 1.241)	0.869
	LLL vs RUL	0.764 ( 0.572, 1.022)	0.070
<b>Size</b>			
	> 1 to 2 cm vs ≤ 1 cm	1.051 ( 0.841, 1.315)	0.661
<b>No. of Resected Lymph Nodes</b>			<0.001
	1–3 vs Non	0.735 ( 0.574, 0.941)	0.015
	≥ 4 vs Non	0.602 ( 0.478, 0.759)	<0.001
	Other vs Non	0.573 ( 0.335, 0.979)	0.042
<b>Surgery Type</b>			
	Wed vs Seg	1.274 ( 1.056, 1.538)	0.012
<b>Multivariate COX Regression Analysis</b>		<b>HR (95% CI)</b>	<b>P value</b>
<b>Age</b>			
	> 70y vs ≤ 70y	1.579 ( 1.303, 1.914)	<0.001
<b>Sex</b>			
	Female vs Male	0.579 ( 0.477, 0.695)	<0.001
<b>Histology</b>			<0.001
	LUAD vs LUSC	0.626 ( 0.503, 0.778)	<0.001
	OC vs LUSC	0.565 ( 0.416, 0.768)	<0.001
<b>No. of Resected Lymph Nodes</b>			0.001
	1–3 vs Non	0.803 ( 0.626, 1.030)	0.084
	≥ 4 vs Non	0.632 ( 0.501, 0.798)	<0.001
	Other vs Non	0.537 ( 0.314, 0.920)	0.024
<b>Surgery Type</b>			
	Wed vs Seg	1.233 ( 1.021, 1.489)	0.030