

## Supplemental table S1

Correlation between IL-34 expression and clinic-pathological characteristics in lung cancer patients

	Total n = 332	High IL-34 expression n = 83	Weak IL-34 expression n = 79	Absent IL-34 expression n = 170	P-value High vs Weak/Absent
<b>Gender</b>					
Male	181	48	44	89	0.5257
Female	151	35	35	81	
<b>Age (years)</b>					
< 65	143	38	32	73	0.6094
65= $\leq$	189	45	47	97	
<b>Histology</b>					
ADC	277	65	70	141	0.1148**
SCC	32	10	7	15	
LCC	5	2	1	2	
Others	18	5	1	12	
<b>pT</b>					
T1	176	35	42	99	0.0305*
T2-T3	156	48	37	71	
<b>pN</b>					
N0	227	58	68	151	0.0003*
N1+N2	55	25	11	19	
<b>Smoking status</b>					
Never smoker	138	32	35	71	0.6064***
Ex smoker	157	42	40	75	
Current smoker	35	8	4	23	
unknown	2	1	0	1	

\*P < 0.05 (Fisher's exact test)

\*\* ADC vs. non-ADC

\*\*\*Never vs. Ex or Current  
smoker

## Supplemental table S2

Cox's proportional hazards model analysis of prognostic factors for OS in NSCLC patients

Variables	Hazards ratio	95% CI	Unfavorable/Favorable	P-value
<b>Univariate analysis</b>				
High IL-34 expression	1.862	1.058-3.275	High vs weak/absent	0.0310*
Age (years)	1.624	0.910-2.899	>=65 / < 65	0.1010
Gender	1.539	0.875-2.706	Male / Female	0.1346
Histology	3.014	1.671-5.436	non-ADC / ADC	0.0002* #
T-factor	2.834	1.572-5.109	T2-3 / T10	0.0005*
N-factor	3.670	2.097-6.422	N1-2 / N0	<0.0001*
Smoking status	1.321	0.751-2.323	Ex or Current/Never	0.3342
<b>Multivariate analysis</b>				
High IL-34 expression	1.205	0.665-2.185	High vs weak/absent	0.5388
Histology	2.457	1.346-4.487	non-ADC / ADC	0.0034* #
T-factor	2.085	1.137-3.825	T2-3 / T10	0.0176*
N-factor	2.964	1.643-5.347	N1-2 / N0	0.0003*

\* $P < 0.05$

# non-ADC vs. ADC