

### SSD 1. Selected characteristics of lung cancer cases and controls

Characteristics	Cases (n = 462)	Controls (n = 379)	P-value <sup>a</sup>
Age (year), median (IQR)	68 (62–73)	58 (48–65)	<0.001
Male, n (%)	287 (62.1)	283 (74.7)	<0.001
Ever smoker <sup>b</sup> , n (%)	309 (66.9)	170 (44.8)	<0.001
Excessive drinker <sup>c</sup> , n (%)	284 (61.5)	175 (46.2)	<0.001
Education (year), median (IQR)	12 (12–16)	16 (12–16)	<0.001
Histology, n (%)			
Adenocarcinoma	242 (52.4)		
Squamous cell carcinoma	131 (28.4)		
Small cell carcinoma	69 (14.9)		
Large cell carcinoma	20 (4.3)		

IQR, interquartile range;

<sup>a</sup> P for  $\chi^2$  test.

<sup>b</sup> Current and former smokers were combined.

<sup>c</sup> Subjects who drank  $\geq 20$  g/day of alcohol.

### SSD 2. Association between telomere-related polymorphisms and lung cancer risk

Polymorphism	No. (%) of		P-value <sup>a</sup>	OR (95% CI)			
	Cases	Controls		Crude	P-value	Adjusted <sup>b</sup>	P-value
<i>TERT</i> rs2736100							
TT	172 (37.2)	137 (36.2)		1.0 (Reference)		1.0 (Reference)	
TG	216 (46.8)	171 (45.1)		1.01 (0.74–1.36)	0.97	1.00 (0.71–1.42)	0.99
GG	74 (16.0)	71 (18.7)	0.18	0.83 (0.56–1.23)	0.36	0.81 (0.51–1.29)	0.37
<i>TERC</i> rs1881984							
TT	200 (43.3)	160 (42.2)		1.0 (Reference)		1.0 (Reference)	
TC	204 (44.2)	165 (43.5)		0.99 (0.74–1.32)	0.94	0.98 (0.70–1.37)	0.91
CC	58 (12.5)	54 (14.3)	0.28	0.86 (0.56–1.31)	0.48	0.92 (0.56–1.52)	0.76
<i>OBFC1</i> rs11191865							
GG	199 (43.1)	173 (45.7)		1.0 (Reference)		1.0 (Reference)	
AG	198 (42.8)	160 (42.2)		1.08 (0.80–1.44)	0.62	0.88 (0.62–1.23)	0.45
AA	65 (14.1)	46 (12.1)	0.34	1.23 (0.80–1.89)	0.35	1.24 (0.76–2.03)	0.39

OR, odds ratio; CI, confidence interval

<sup>a</sup> P for Hardy-Weinberg equilibrium test among controls.

<sup>b</sup> Adjusted for age, sex, smoking status, alcohol consumption and education.