

Supplementary Table S1. Primer sequences for polymorphic loci of genes

Gene	SNP	Primer orientation and name	Primer sequence (5'-3')
<i>TERT</i>	rs2736109	Forward	ACGTTGGATGAAGACACACTAACTGCACCC
		Reverse	ACGTTGGATGATGTGCATGGCGAGGAAACG
		UEP-SEQ	CCCGCATTCAATGAAGAT
	rs2735940	Forward	ACGTTGGATGTGGAGGTTAGCTCGTCTTG
		Reverse	ACGTTGGATGAGGCTTAGGGATCACTAAGG
		UEP-SEQ	TTTCTAGAAGAGCGACC
	rs3215401	Forward	ACGTTGGATGTCCGGTTGCTCAAGTTTGG
		Reverse	ACGTTGGATGTTTCAGTGTTTGGCCGACCTC
		UEP-SEQ	CCCCGAAGTTTCTCGCCCC
	rs2736100	Forward	ACGTTGGATGACAAAGGAGGAAAAGCAGGG
		Reverse	ACGTTGGATGTGACACCCCAAGCTAAG
		UEP-SEQ	AATTTTTTCCGTGTTGAGTGTCTT
<i>TEP1</i>	rs1713449	Forward	ACGTTGGATGAAGAGTGGATGCCATAACCG
		Reverse	ACGTTGGATGCTCTGTGTCTTATCAGCTGG
		UEP-SEQ	GAGGGGTCAGAGCTTCTGGTGGTAACC
	rs1760897	Forward	ACGTTGGATGTGTAGACTCTGGAACAAGGG
		Reverse	ACGTTGGATGACATCCTCTCTTGGAGAAC
		UEP-SEQ	CCCCGTGCCTGGCCACCCTC
	rs1760903	Forward	ACGTTGGATGGTCTGCTTAGGTAGCTCTTC
		Reverse	ACGTTGGATGCAGATGCCTGAAATCTGAC
		UEP-SEQ	TCTGAAGAGGCCGCA
	rs938886	Forward	ACGTTGGATGCCTCATTTTTGTGTGCCAGC
		Reverse	ACGTTGGATGTTACCTGTGGTCCATTCTCC
		UEP-SEQ	GGGTCTGCATTTGGCCAGTTCCATAG
	rs1760904	Forward	ACGTTGGATGATGCAGGCATCTCTTGTGTC
		Reverse	ACGTTGGATGCCCCAGAAAAGTGAAGAAG
		UEP-SEQ	CAAGAAAAGTGAAGAAGACTAATG
	rs4246977	Forward	ACGTTGGATGCTCCATGACCTAATGACCTC
		Reverse	ACGTTGGATGAAAACCTAATCCCAATGCG
		UEP-SEQ	ACCAATGCGATGGTA

Supplementary Table S2. Effects of age, sex, drinking, smoking, and working duration on telomere length

Variables	Exposure			Control			P ^b
	n	$\bar{x} \pm s$	P ^a	n	$\bar{x} \pm s$	P ^a	
Age							
> 40	127	3.52 ± 0.64	0.388	48	2.97 ± 0.37	0.036	< 0.001
≤ 40	53	3.52 ± 0.56		67	3.03 ± 0.35		< 0.001
Gender							
Female	43	3.60 ± 0.64	0.683	61	3.06 ± 0.41	0.384	< 0.001
Male	137	3.49 ± 0.61		54	2.93 ± 0.29		< 0.001
Drinking							
No	117	3.54 ± 0.59	0.880	85	3.01 ± 0.38	0.092	0.026
Yes	63	3.49 ± 0.68		30	2.97 ± 0.29		< 0.001
Smoking							
No	164	3.52 ± 0.63	0.778	103	2.99 ± 0.37	0.848	0.071
Yes	16	3.53 ± 0.52		12	3.11 ± 0.22		< 0.001
Working duration							
> 30	37	3.42 ± 0.58	< 0.001				
15–30	117	3.54 ± 0.63					
< 15	26	3.56 ± 0.64					

Note. length was determined *via* Ln(X)+3 conversion; ^aThe effect of different variables on telomere length was compared by covariance and adjusted for age, sex, drinking, smoking and working duration. ^bThe comparison results between the exposure group and control group; covariance was applied and adjusted for age, sex, drinking, and smoking.