

**Table S3. Univariate and multivariate analysis of QFT persistence based on an alternative conversion definition\***

	QFT persistence		Crude OR (95% CI)	Adjusted OR <sup>#</sup> (95% CI)
	n/N	%		
Total	80/142	56.34	NA	
Gender				
Male	51/81	62.96	Ref.	
Female	29/61	47.54	0.53 (0.27, 1.05)	
Age				
5-19 years	3/11	27.27		
20-29 years	3/12	25.00		
30-39 years	4/11	36.36	Ref.	Ref.
40-49 years	24/42	57.14	<b>3.20 (1.23, 8.34)</b>	<b>3.18 (1.11,9.10)</b>
50-59 years	16/24	66.67	<b>4.80 (1.56, 14.78)</b>	<b>5.01 (1.48, 16.89)</b>
≥ 60 years	30/42	71.43	<b>6.00 (2.22, 16.25)</b>	<b>5.49 (1.91, 15.82)</b>
Education level				
≤Primary school	44/77	57.14	Ref.	
Middle school	31/54	57.41	1.01 (0.50, 2.04)	
High school	5/9	55.56	0.94 (0.23, 3.76)	
≥College	0/2	0	NA	
Family per capita income				
< 6000 RMB	46/90	51.11	Ref.	Ref.
≥ 6000 RMB	34/52	65.38	<b>2.84 (1.37, 5.87)</b>	<b>2.85 (1.29, 6.27)</b>
Smoking status				
Never smoke	44/85	51.76	Ref.	
Ever smoke	36/57	63.16	1.60 (0.80, 3.17)	
Alcohol drinking				
No	57/103	55.34	Ref.	
Yes	23/39	49.43	1.16 (0.55, 2.45)	
BCG scar				
Absent	38/77	49.35	Ref.	
Present	42/65	64.62	1.87 (0.95, 3.69)	
BMI				
<18.5	6/16	37.50	0.33 (0.11,1.01)	0.56 (0.16, 2.02)
≥18.5-<24	44/68	64.71	Ref.	Ref.
≥24-<28	25/43	58.14	0.76 (0.35, 1.66)	0.63 (0.27, 1.48)
≥28	5/15	33.33	<b>0.27 (0.08, 0.89)</b>	<b>0.27 (0.78, 0.95)</b>

Abbreviation: BCG, Bacillus Calmette-Guérin; BMI, body mass index; CI, confidence interval; QFT, QuantiFERON-TB Gold In-Tube; OR, odds ratio; TB, tuberculosis; TST, tuberculin skin test.

\* QFT conversion was defined using a cut-off as 0.70.

<sup>#</sup> Controlling for variables with significant association in the univariate analysis.