Table S1. Meta-regression analysis results

		t vs. T		tt vs. TT		tt vs. Tt + TT		Tt vs. TT		tt + Tt vs. TT	
	N	95% CI	P	95% CI	P	95% CI	P	95% CI	P	OR	P
Publication years	38	-50, 82, 23.22	0.45	-87.42, 38.08	0.43	-83.56, 40.63	0.49	-52.32, 27.24	0.53	-50.82, 23.22	0.45
Ethnicities	38	-0.33, 0.58	0.58	-1.11, 0.70	0.65	-1.11, 0.70	0.65	-0.27, 0.68	0.39	-0.33, 0.58	0.58
Sample size	38	-0.05, 0.19	0.27	-0.12, 0.31	0.38	-0.13, 0.30	0.43	-0.06, 0.20	0.27	-0.05, 0.19	0.27
Genotyping method	38	-0.07, 0.12	0.60	-0.07, 0.26	0.26	-0.08, 0.25	0.29	-0.08, 0.11	0.77	-0.07, 0.12	0.60
Source of controls	38	-0.15, 0.20	0.75	-0.30, 0.40	0.77	-0.30, 0.40	0.77	-0.16, 0.20	0.81	-0.15, 0.20	0.75
HWE	38	-0.07, 0.10	0.75	-0.15, 0.17	0.89	-0.16, 0.16	0.94	-0.07, 0.11	0.67	-0.07, 0.10	0.75
The type of tuberculosis	38	-0.16, 0.28	0.59	-0.36, 0.56	0.67	-0.36, 0.56	0.67	-0.18, 0.28	0.67	-0.16, 0.28	0.59

Table S2. Sensitivity analyses of study with controls not in HWE excluded

		t vs. T		tt vs. TT		tt vs. Tt + TT		Tt vs. TT		tt + Tt vs. TT	
	N	OR (95% CI)	Heterogeneity (I^2, P_Q)	OR (95% CI)	Heterogeneity (I^2, P_Q)	OR (95% CI)	Heterogeneity (I^2, P_Q)	OR (95% CI)	Heterogeneity (I^2, P_Q)	OR (95% CI)	Heterogeneity (I^2, P_Q)
Total	38	1.05 (0.94, 1.17)	54.9%; 0.000	1.14 (0.87, 1.48)	53.9%, 0.000	0.97 (0.84, 1.12)^{F}	43.3%, 0.008	1.05 (0.96, 1.15)^{F}	34.9%, 0.034	1.04 (0.95, 1.13)^{F}	45.1%, 0.005
Ethnicities											
ES Asians	7	0.97 (0.77, 1.22)^{F}	0%; 0.541	1.10 (0.49, 2.48)^{F}	0%, 0.997	1.09 (0.48, 2.44)^{F}	0%, 0.993	0.94 (0.73, 1.22)^{F}	23.2%, 0.252	0.96 (0.75, 1.23)^{F}	8.9%, 0.361
SW Asians	11	1.33 (1.04, 1.72)*	70.4%; 0.000	1.72 (1.03, 2.86)*	65.4%, 0.001	1.40 (1.08, 1.82)^{*,F}	46.2%, 0.046	1.29 (1.06, 1.56)^{*,F}	40.3%, 0.080	1.41 (1.03, 1.91)*	61.6%, 0.004
Africans	8	0.95 (0.87, 1.03)^{F}	0%; 0.432	0.86 (0.64, 1.16)	51.2%, 0.045	0.86 (0.64, 1.15)	51.9%, 0.042	0.98 (0.88, 1.10)^{F}	0%, 0.927	0.96 (0.86, 1.07)^{F}	0%, 0.884
Americans	1	0.59 (0.28, 1.22)	-	0.62 (0.03, 15.48)^{F}	-	0.67 (0.03, 16.47)^{F}	-	0.91 (0.43, 1.91)^{F}	-	0.59 (0.28, 1.25)^{F}	-
Europeans	2	0.94 (0.70, 1.27)^{F}	0%; 0.894	0.32 (0.03, 3.85)	66.2%, 0.086	0.20 (0.01, 6.66)	82.5%, 0.017	1.70 (0.61, 4.74)	79.9%, 0.026	1.39 (0.66, 2.95)	65.1%, 0.091
Sample size											
Large^{a}	7	0.93 (0.85, 1.01)^{F}	11.8%; 0.339	0.81 (0.65, 1.01)^{F}	47.9%, 0.074	0.82 (0.67, 1.02)^{F}	49.6%, 0.064	0.96 (0.85, 1.08)^{F}	0%, 0.971	0.93 (0.84, 1.04)^{F}	0%, 0.849
Small^{b}	22	1.14 (0.97, 1.33)	54.3%; 0.001	1.28 (1.04, 1.59)^{*,F}	48.7%, 0.007	1.13 (0.92, 1.38))^{F}	34.9%, 0.059	1.18 (1.03, 1.36)^{*,F}	42.9%, 0.018	1.19 (1.05, 1.35)^{*,F}	49.0%, 0.005
Genotyping method											
PCR-RFLP	20	1.11 (0.96, 1.29)	62.4%; 0.000	1.30 (0.95, 1.79)	53.1%, 0.003	1.15 (0.96, 1.37)^{,F}	31.7%, 0.092	1.06 (0.95, 1.19)^{F}	34.3%, 0.067	1.11 (0.94, 1.32)	52.3%, 0.003
Other methods	9	0.92 (0.83, 1.03)^{F}	0%; 0.594	0.73 (0.56, 0.95)^{*,F}	36.6%, 0.126	0.69 (0.54, 0.90)^{*,F}	45.6%, 0.065	1.03 (0.89, 1.19)^{F}	42.8%, 0.082	0.97 (0.85, 1.12)^{F}	19.4%, 0.270
Source of controls											
Contacts^{c}	10	1.03 (0.90, 1.18)^{F}	0.0%; 0.674	1.15 (0.83, 1.60)^{F}	0%, 0.927	1.09 (0.79, 1.49)^{F}	0%, 0.915	1.01 (0.85, 1.21)^{F}	0%, 0.591	1.03 (0.86, 1.22)^{F}	0%, 0.620
Healthy^{d}	19	1.08 (0.93, 1.25)	67.5%; 0.000	1.20 (0.84, 1.73)	67.4%, 0.000	1.07 (0.79, 1.46)	59%, 0.001	1.06 (0.96, 1.17)^{F}	49.2%, 0.008	1.11 (0.94, 1.32)	58.9%, 0.001
Tuberculosis type											
pulmonary	21	1.00 (0.93, 1.07)	62.4%; 0.000	1.16 (0.83, 1.60)	61.5%, 0.000	1.05 (0.79, 1.38)	51.4%, 0.004	1.04 (0.94, 1.15)^{F}	47.7%, 0.008	1.08 (0.92, 1.27)	55.2%, 0.001
Extra and pulmonary	6	1.13 (0.95, 1.33)^{F}	30%; 0.21	1.29 (0.84, 1.96)^{F}	39.6%, 0.141	1.22 (0.81, 1.82)^{F}	35.7%, 0.169	1.12 (0.90, 1.39)^{F}	0%, 0.545	1.14 (0.93, 1.41)^{F}	0.9%, 0.410
extra	2	0.97 (0.70, 1.36)^{F}	0%; 0.855	1.00 (0.49, 2.04)^{F}	0%, 0.876	1.06 (0.55, 2.06)^{F}	0%, 0.915	0.90 (0.55, 1.46)^{F}	0%, 0.873	0.92 (0.58, 1.46)^{F}	0%, 0.855

Abbreviations: N: number of studies included; OR: odds ratio; Ph: *p* value for heterogeneity; P_Q: Cochran's Q statistics; I^2: Higgin's I^2 statistics. F: Results derived using Fixed effects for analysis. Random effects were used for all other calculations. *OR with statistical significance; a: studies with more than 500 participants; b: studies with less than 5000 participants; c: studies with controls from patient contacts; d:studies with controls from healthy person.