Supplemental Table 1. Classification of Clinical Status

	(←minimal)			(severe→)
Smear at entry [a]	0 to ±	1+	2+	3+
Positive conversion time (weeks) [b]	≥ 3	2	1	0
Duration of culture negative (days) [c]	< 20	$20 \leq\ <40$	$40\leq\ < 60$	≥ 60
CRP at entry (mg/ml)	< 2		≥ 2	
Albumin at entry (g/ml)	≥ 4	$3 \leq\ < 4$		< 3
CRP after 60 days (mg/ml)	0	< 2		≥ 2
X-ray type (cavity) [d]	III (no cavity)	II (morbid foci than I)		I (widespread)
X-ray extent [d]	1	2		3

a: 0 (no acid fast bacilli (AFB) on smear), ± (1-2 AFB per 300 field), 1+ (1-9 AFB per 100 field), 2+ (more than 10 AFB per 100 field), and 3+ (more than 10 AFB per field).

b:Positive results (weeks) of MGIT from entry.

c: Durations (days) to be negative results of smear by sputum microscopy after initiation of the treatment.

d: "The Japanese Society for Tuberculosis Classification" was applied [20].

Supplemental Table 2. Amount of antigens used for the detection of serum IgG and IgA.

TB Antigens	IgG ELISA (µg/well)	IgA ELISA (µg/well)
ESAT-6 (Rv3875)	0.5	2.5
CFP-10 (Rv3874)	0.5	2.5
MDP1 (Rv2986c)	0.05	0.5
Ag85A (Rv3804c)	0.05	0.5
Acr (Rv2031c)	0.5	2.5
HBHA (Rv0475)	0.5	2.5
HrpA (Rv0251c)	0.5	2.5

Supplemental Table 3. Association between titers of IgA and clinical status.

	ESAT-6	CFP-10	MDP1	Ag85A	Acr	HBHA	HrpA
Smear at entry							
r	0.154	-0.05877	-0.09966	0.026789	0.08973	0.05675	-0.03961
p	0.19976	0.62637	0.40827	0.8245	0.45676	0.63828	0.74292
Positive Conversion time (weeks)							
r	0.1018	0.01556	-0.02547	0.07465	0.04275	-0.00991	-0.07863
p	0.40173	0.89829	0.83423	0.53912	0.72532	0.93511	0.51762
Duration culture negative (days)							
r	0.0654	0.02624	0.06089	0.00791	0.05718	0.08827	-0.10502
p	0.61353	0.83957	0.63824	0.95133	0.65893	0.4951	0.41661

CRP at entry (mg/ml)

r	0.10193	0.01868	0.02661	0.04139	0.1175	-0.11609	**-0.25058**
p	0.39765	0.87709	0.82563	0.73183	0.32911	0.33502	**0.03506***

Albumin at entry (g/ml)

r	**0.33422**	0.05802	-0.03364	0.05185	**0.34487**	-0.04649	-0.0641
p	**0.00439***	0.63078	0.78063	0.66761	**0.00323***	0.70025	0.59534

CRP after 60 days (mg/ml)

r	0.13127	0.11439	0.15752	0.10689	0.10689	0.19502	0.17252
p	0.30514	0.37202	0.21759	0.40439	0.40439	0.12559	0.17635

X-ray type (cavity)

r	0.00668	-0.03311	0.0079	0.01562	-0.01287	0.05442	-0.02875
p	0.9559	0.78397	0.94787	0.89711	0.91515	0.6522	0.81301

X-ray (extent)

r	0.21033	0.01258	0.02114	0.13727	0.175153	0.05624	-0.08867
p	0.07831	0.91708	0.86112	0.25365	0.14402	0.64133	0.46212

Statistical significance (p < 0.05 or p < 0.01) appeared with an asterisk.

Supplemental Table 4. Association between TB gene and BCG ortholog (identity)

TB Gene	BCG ortholog (identity)
ESAT-6 (Rv3875)	Not identified
CFP-10 (Rv3874)	Not identified
MDP1 (Rv2986c)	BCG_3007 (0.958)
Ag85A (Rv3804c)	BCG_3866c (1.00)
Acr (Rv2031c)	BCG_2080 (1.00)
HBHA (Rv0475)	BCG_0516 (1.00)
HrpA (Rv0251c)	BCG_0257c (1.00)