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IFN-γ-independent immune markers of *Mycobacterium tuberculosis* exposure

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Supplementary Table 1: Demographic characteristics of study group.

Risk score is determined as previously described¹⁶. Means and medians are presented as indicated. Categorical variables were compared using a chi-square test, and continuous variables were compared using a Mann-Whitney test; p-values indicate significance according to these statistics. BCG scar indicates prior vaccination with Bacillus Calmette–Guérin (BCG).

	"resister" TST-/IGRA-	LTBI TST+/IGRA+	p-value
Current age (median)	20.00	22.50	0.371
Age at recruitment (median)	13	13.5	0.502
Sex (% Female)	42.9%	43.5%	0.951
% with BCG scar	61.2%	65.2%	0.830
Pediatric risk score (mean)	6.07	6.35	0.113
Adult risk score (mean)	6.26	6.70	0.296
Duration of follow-up in years (median)	9.31	8.47	0.780
BMI (median)	20.92	21.83	0.388

Supplementary Table 2: Demographics of subjects included in this study compared to those from the larger "resister" cohort.

Risk score is determined as previously described¹⁶. Means and medians are presented as indicated. Categorical variables were compared using a chi-square test, and continuous variables were compared using a Mann-Whitney test; p-values indicate significance according to these statistics. BCG scar indicates Bacillus Calmette–Guérin prior vaccination.

	Subjects in this study	Subjects not included in this	p-value
		study	
Current age (median)	21.00	22.00	0.762
Sex (% Female)	43.2%	50.8%	0.226
% with BCG scar	63.2%	69.1%	0.972
Pediatric risk score (mean)	6.20	6.15	0.998
Adult risk score (mean)	6.49	6.45	0.718
Duration of follow-up in years (median)	9.16	9.99	0.024

Supplementary Table 3: Incidence of new TB cases

Person-years of follow-up were calculated based on last visit and subsequent follow-up dates. Number of new TB cases are shown along with the calculated incidence rate and 95% confidence intervals (CI).

	PTST-	LTBI TST+/IGRA+		
	TST-/IGRA-			
Total cases	144	303		
Person-years of follow-up	1020	2212		
Cases of active TB	2	4		
Incidence rate [95% CI]	0.00196 [0-0.0047]	0.00180 [0.000036-0.00357]		

Supplementary Table 4: Multi-parameter flow cytometry panel. The results reported in Figures 3 and 4 of this manuscript utilized an 11-color flow cytometry panel to analyze T cells following in vitro stimulation. Details regarding the antibodies used for these experiments are provided here.

Specificity	Fluorophore	Clone	Catalog Number	Lot Number	Supplier
TNF	FITC	MAb11	554512	6245784	BD Biosciences
CD8a	PerCP Cy5.5	SK1	341051	6012504	BD Biosciences
IL-2	PE	MQ1-17H12	559334	3263570	BD Biosciences
CD3	ECD	UCHT1	IM2705U	100	Beckman Coulter
CD40L	PE Cy5	TRAP1	555701	6119902	BD Biosciences
CD107a	PE Cy7	H4A3	561348	6084604	BD Biosciences
IL-4	APC	MP4-25D2	554486	5234935	BD Biosciences
IL-17a	Ax700	BL168	512318	B218394	BioLegend
CD4	APC Ax750	13B8.2	A94685	36	Beckman Coulter
IFN-γ	V450	B27	560371	6105971	BD Biosciences
Dead Cell Stain	AmCyan		L34957	1878891	Life Technologies