

Mucosal-Associated Invariant T cells exhibit distinct functional signatures associated with protection against typhoid fever

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Supplementals

S1 Table. Demographics of the participants included in this study

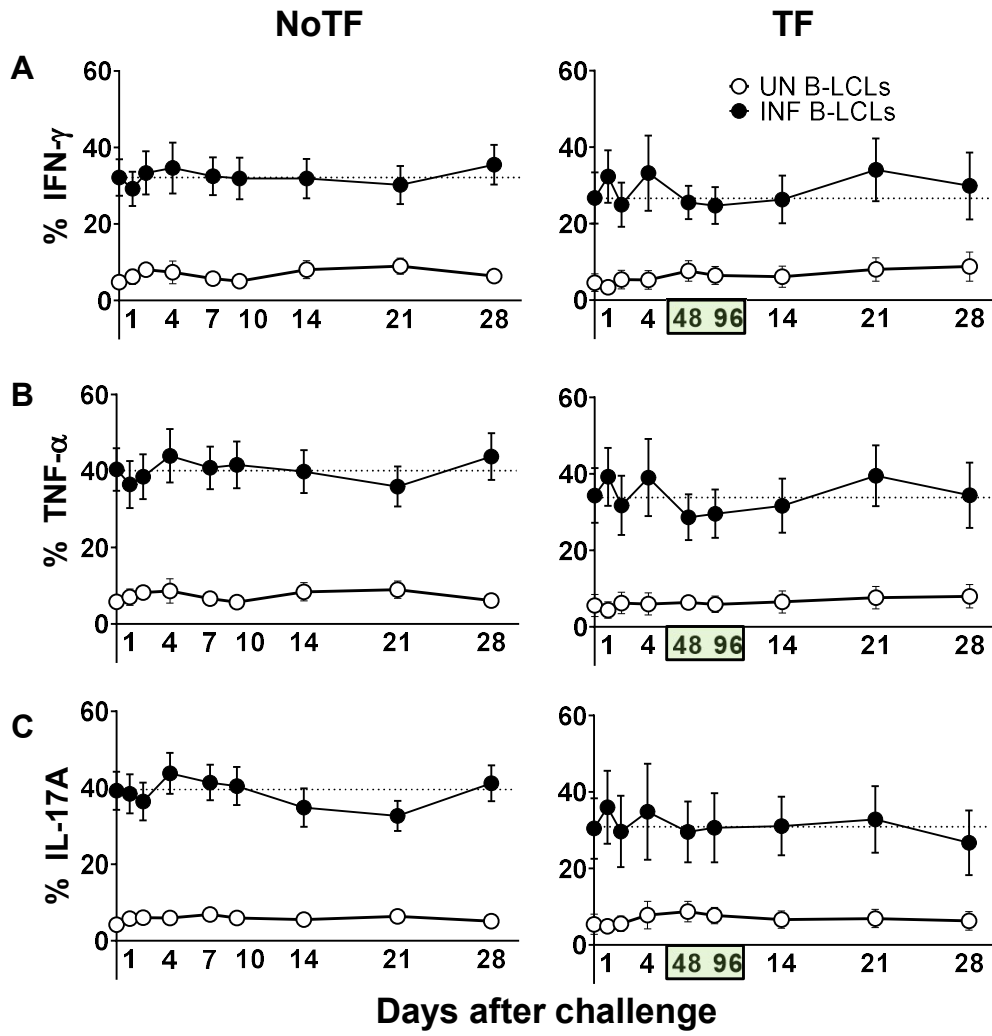
	NoTF* (N=13)	TF** (N=7)
Age		
Mean (SD)	29 (± 7)	30 (± 10)
Range	19-43	20-46
Gender		
Female	6 (46)	0 (0)
Male	7 (54)	7 (100)
S. Typhi challenge dose		
Mean	1.54 x 10 ⁴	1.18 x 10 ⁴
Range	0.07-2.7 x 10 ⁴	0.1-2.7 x 10 ⁴
Time to Clinical Diagnosis, day		
Mean	-	7
Range	-	6-9
Total Lymphocyte count, x 10³/μl, mean (SD)		
Day 0	2.05 (± 0.41)	2.53 (± 1.41)
Day 1-4	2.08 (± 0.65)	2.23 (± 1.17)
Day 7-10 (48-96 hs) [†]	1.70 (± 0.58)	1.03 (± 0.42)
Day 14-28	1.97 (± 0.59)	2.22 (± 1.04)
Symptoms		
Fever > 38°C followed by <i>S. Typhi</i> isolation from blood culture	-	7
Neither fever nor bacteremia	9	-
Bacteremia only	3	-
Fever only	1	-

*, NoTF, volunteers who did not meet the clinical typhoid fever definition; **, TF, volunteers with typhoid fever diagnosis;

† , *t*-test NoTF vs. TF, *P* =0.0002

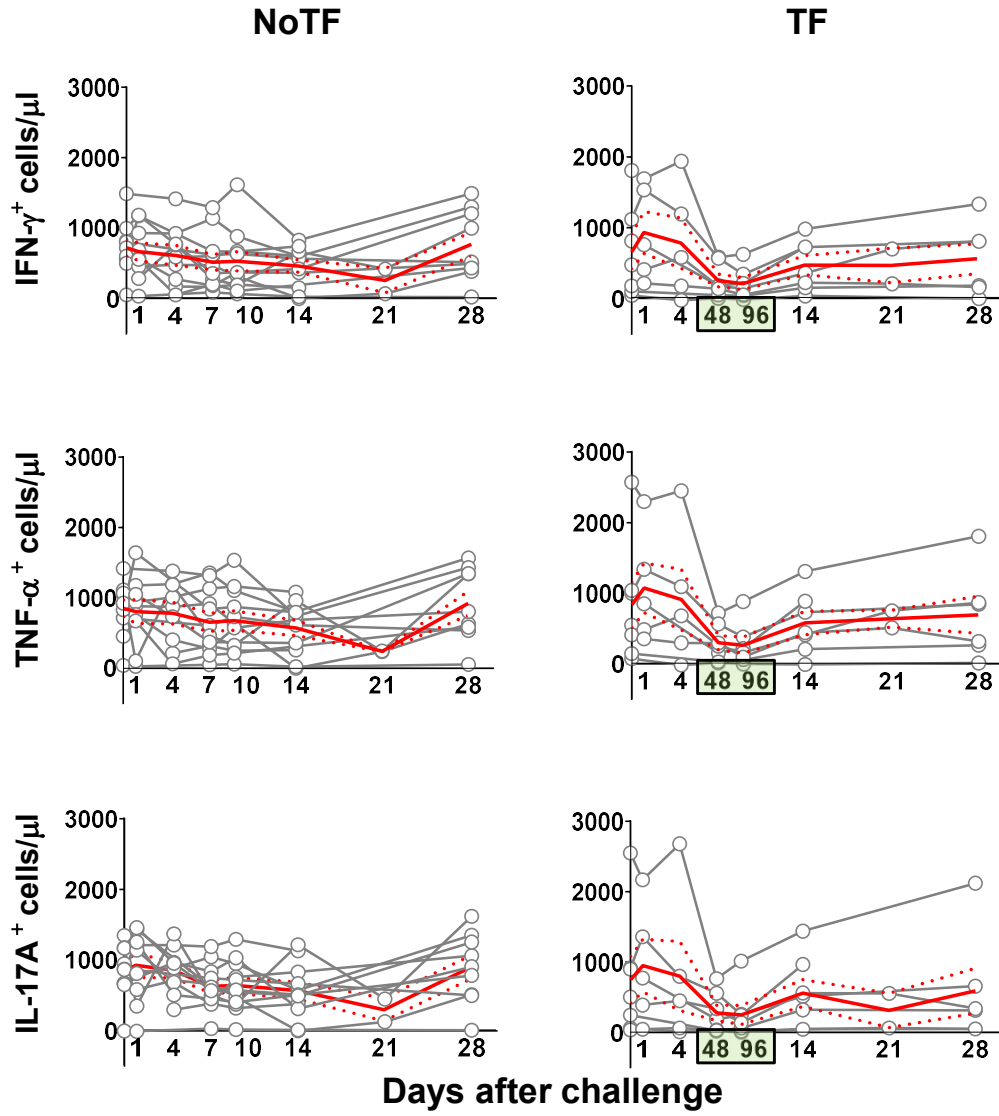
S1 Figure

Gated on MAIT cells



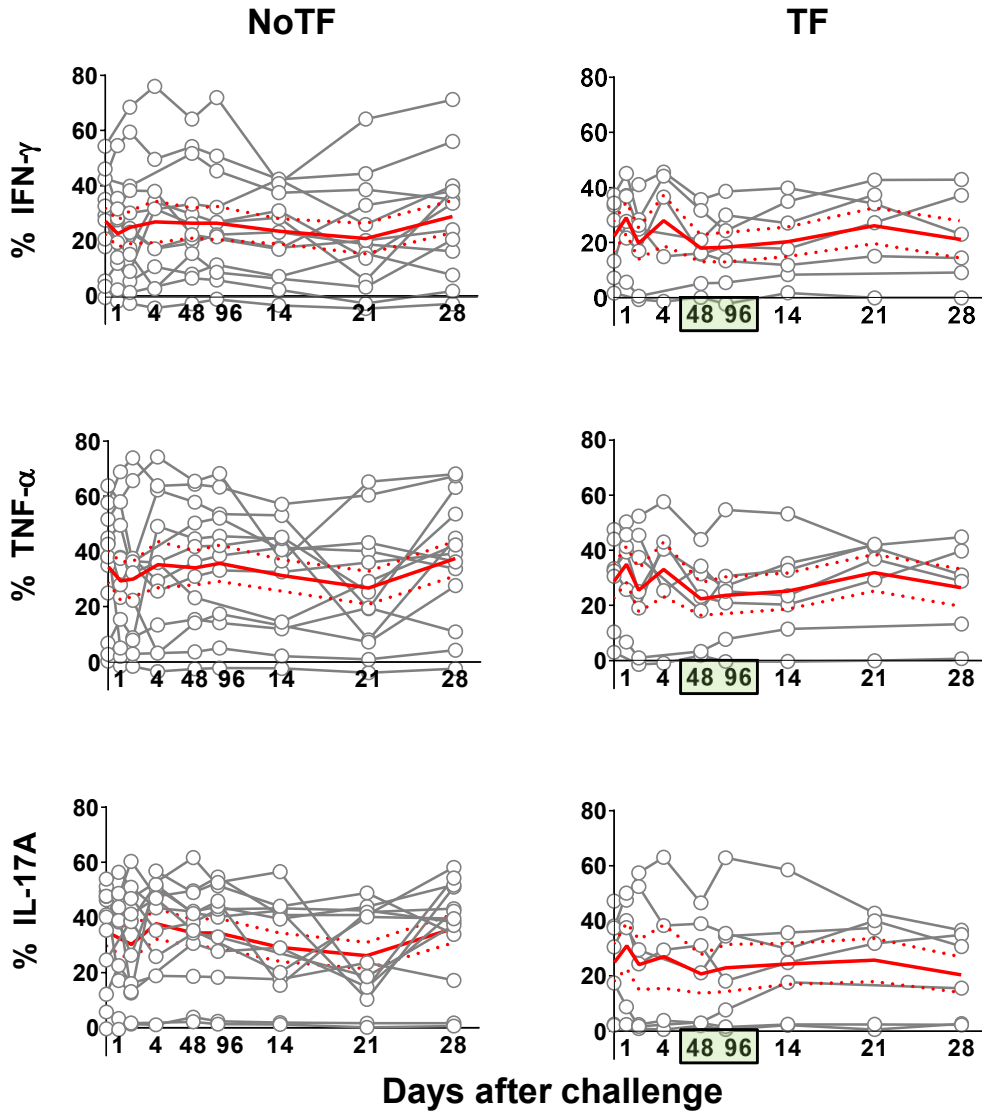
S2 Figure

Gated on MAIT cells



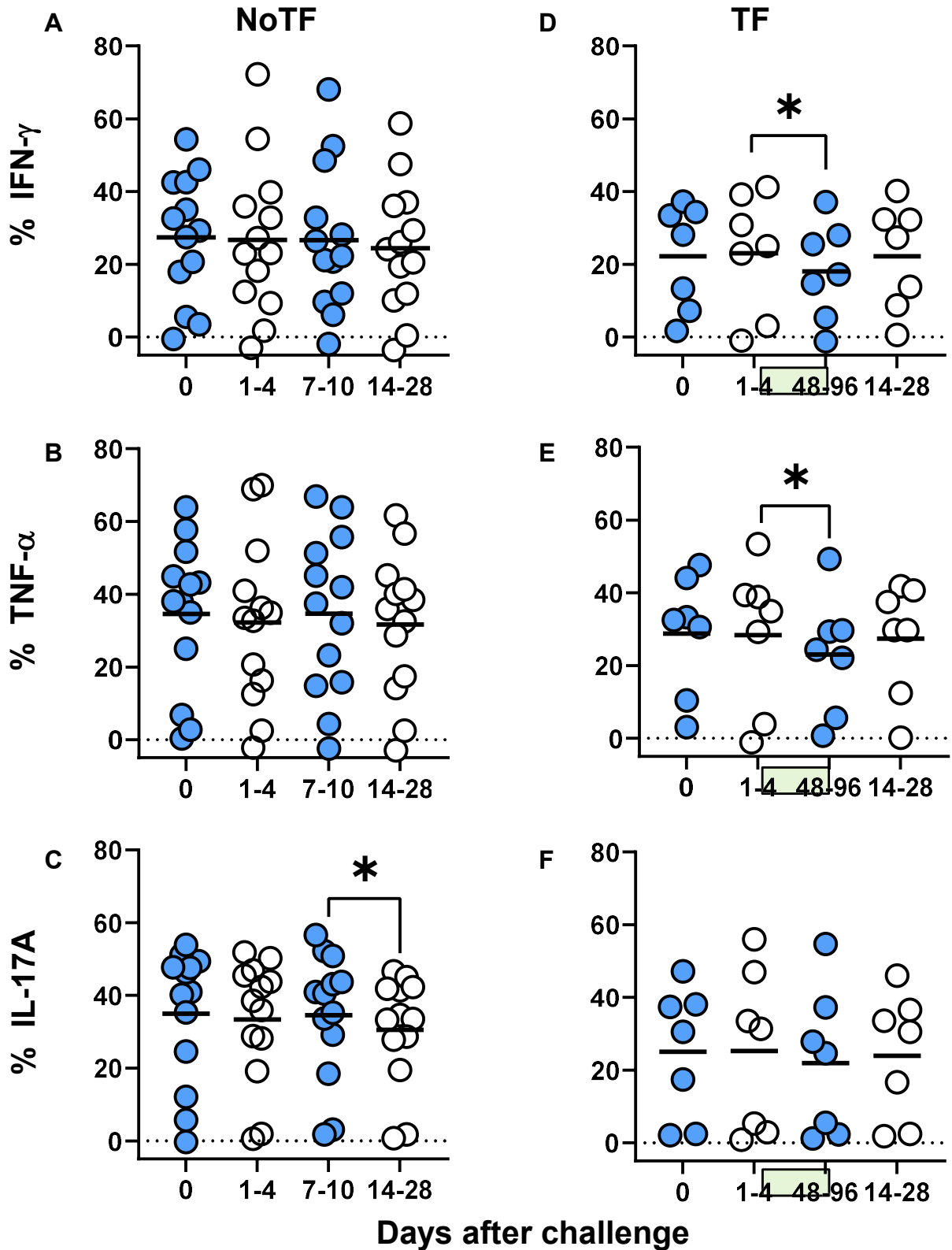
S3 Figure

Gated on MAIT cells



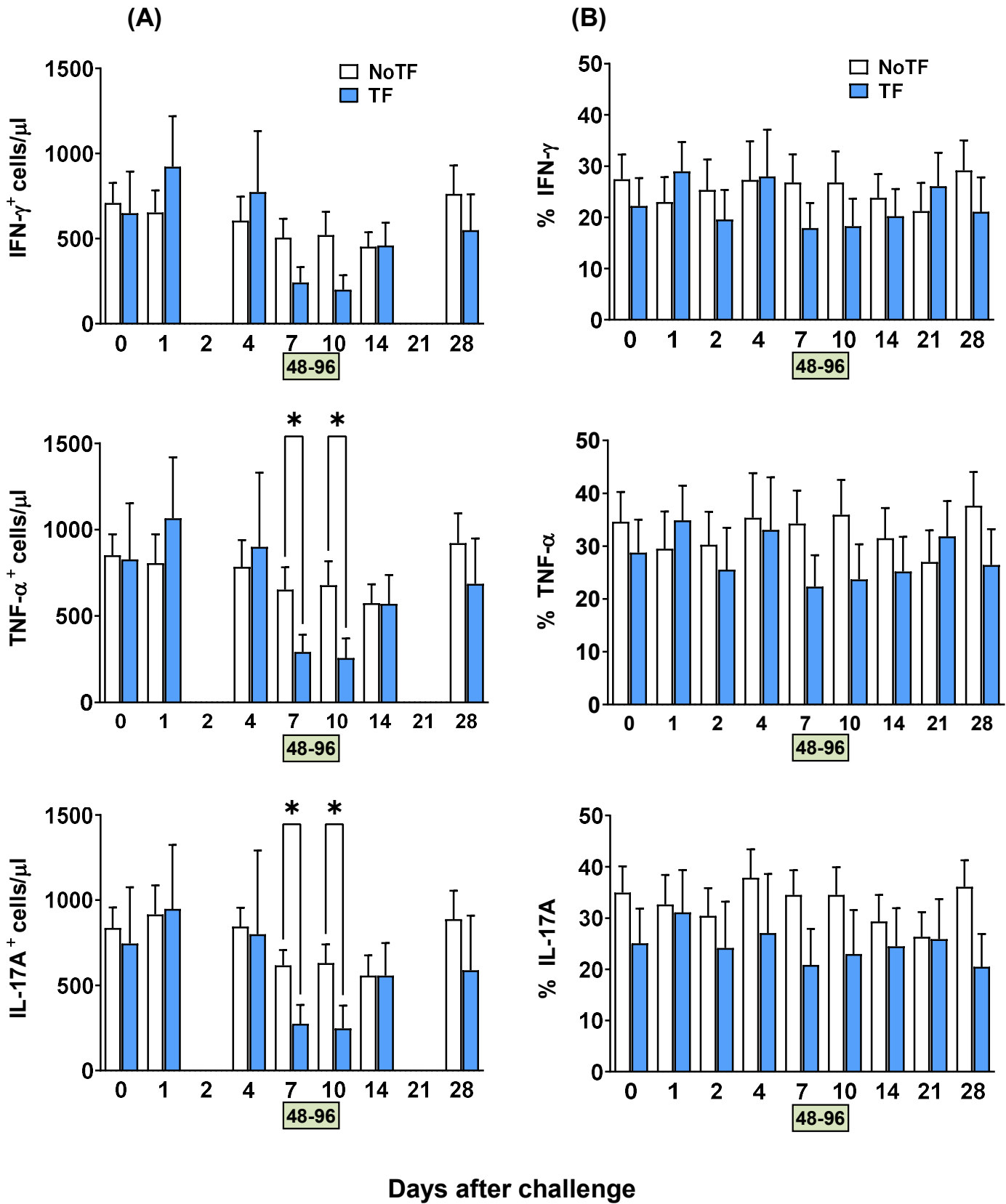
S4 Figure

Gated on MAIT cells



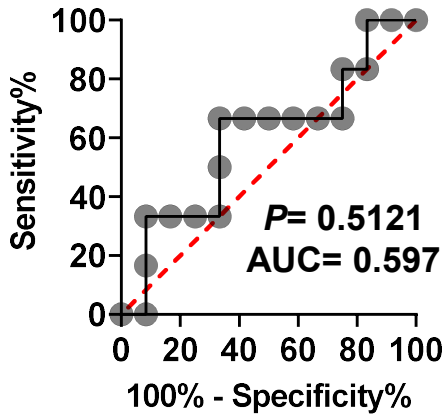
S5 Figure

Gated on MAIT cells

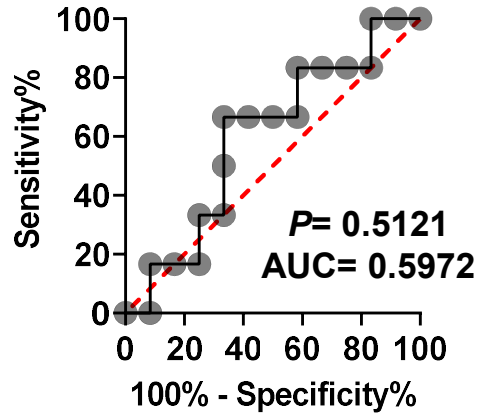


S6 Figure

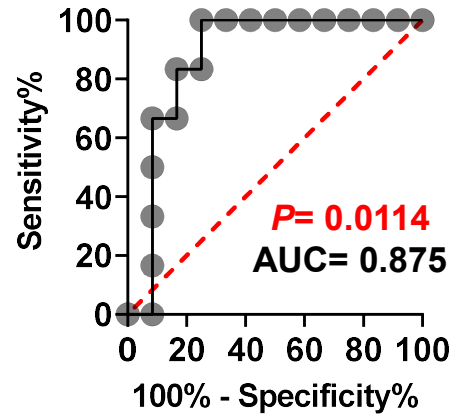
Total IFN- γ



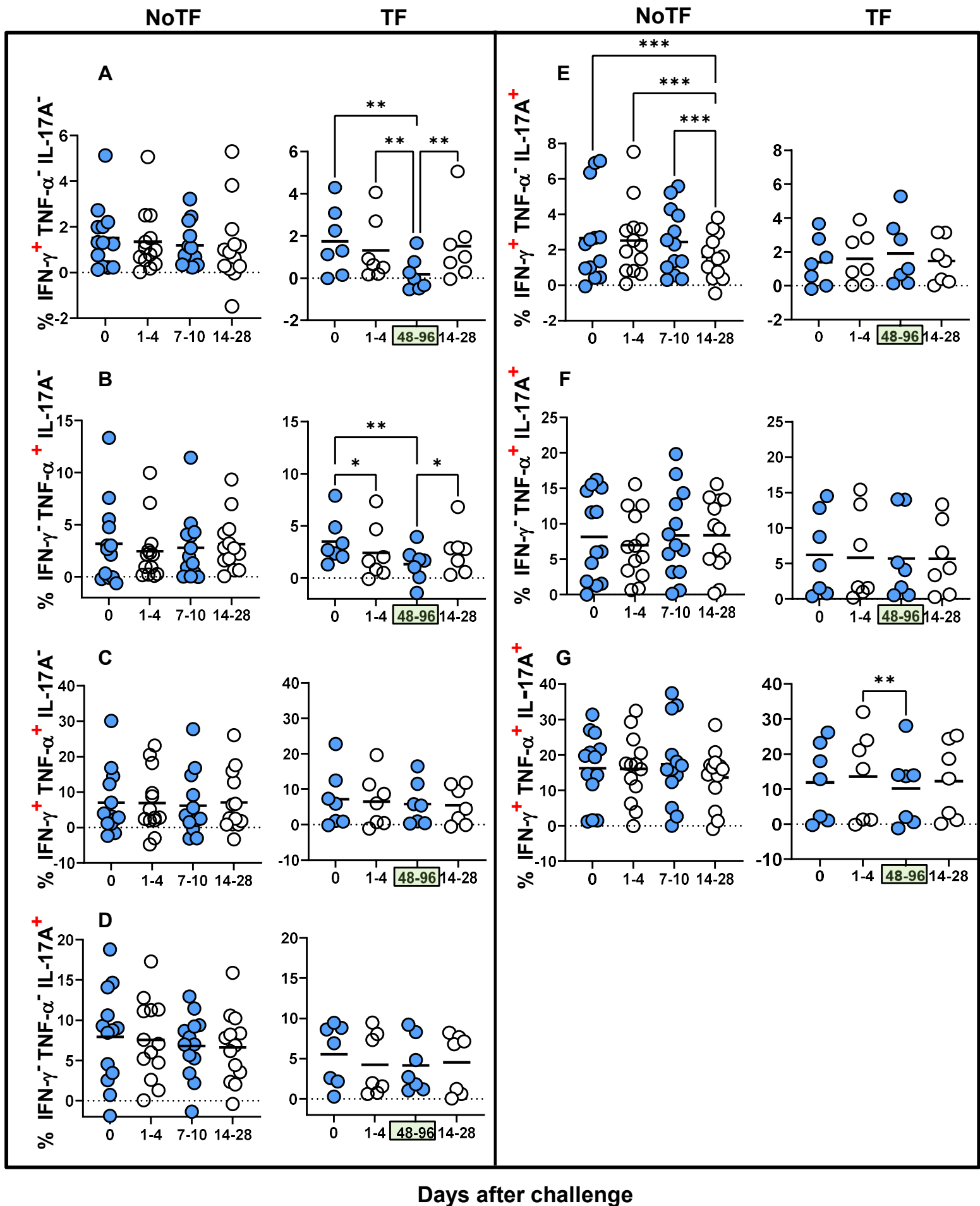
Total TNF- α



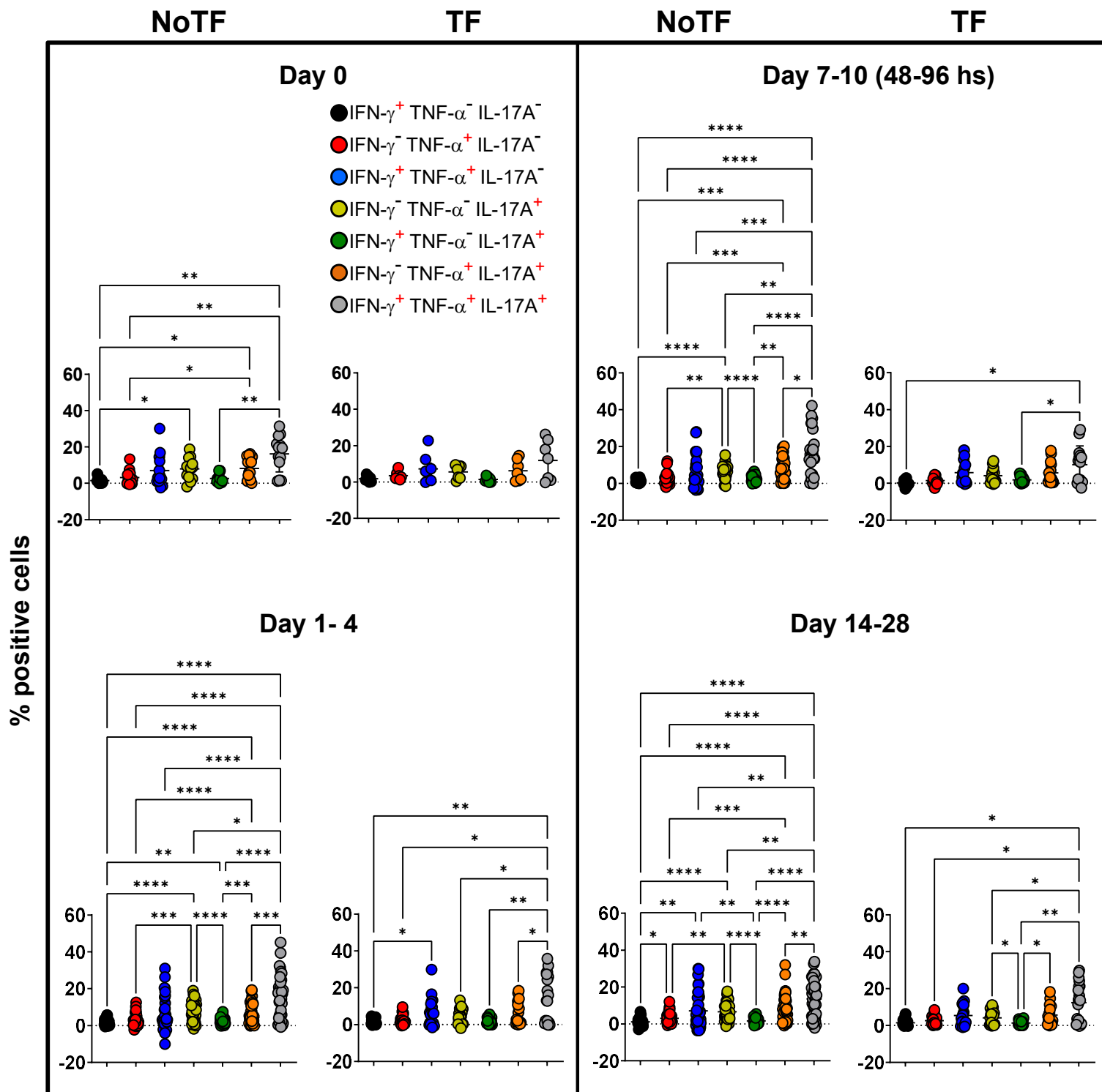
Total IL-17A



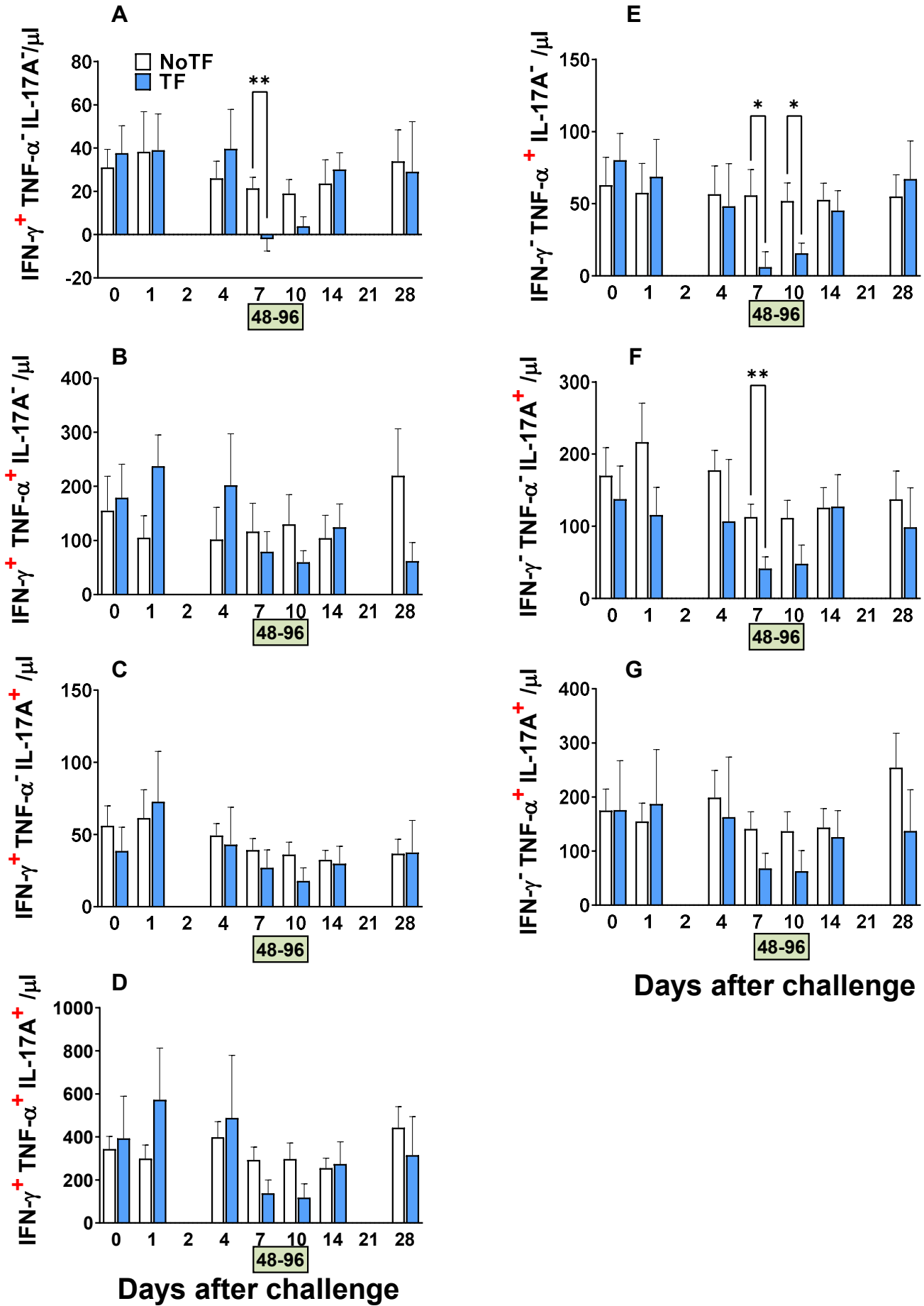
S7 Figure



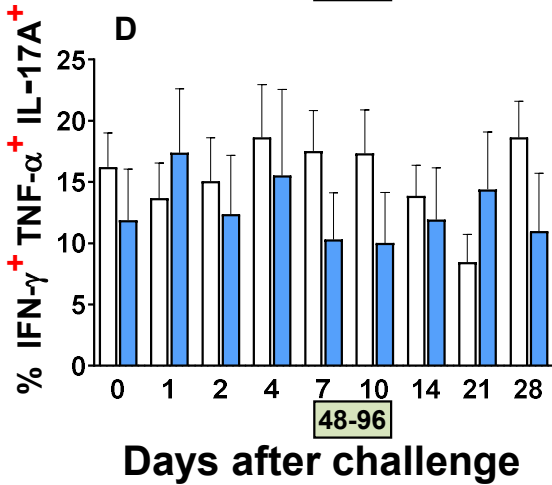
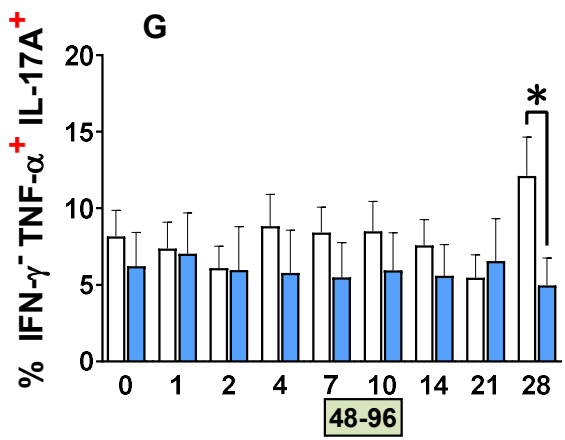
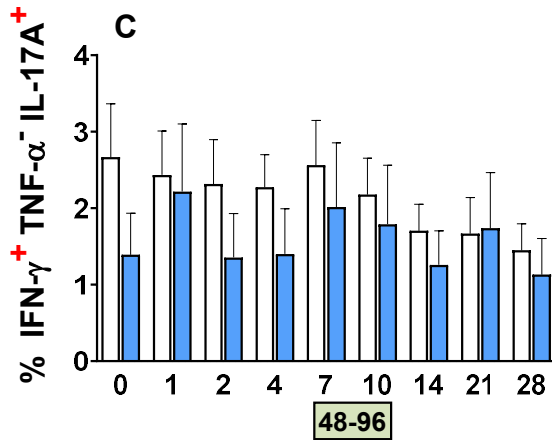
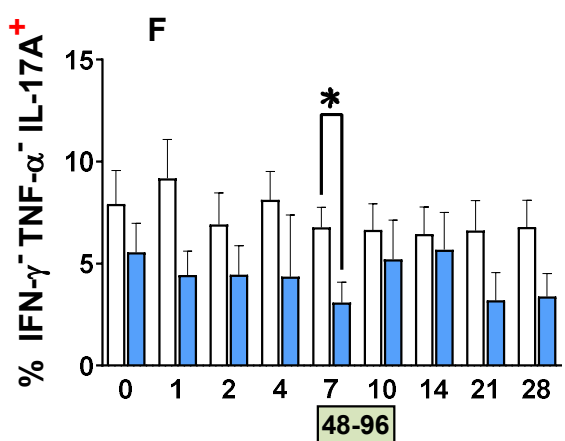
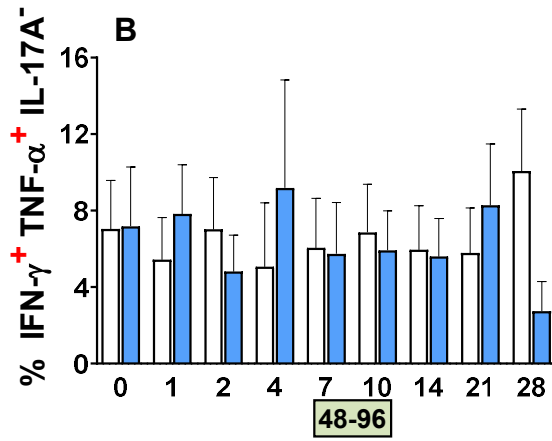
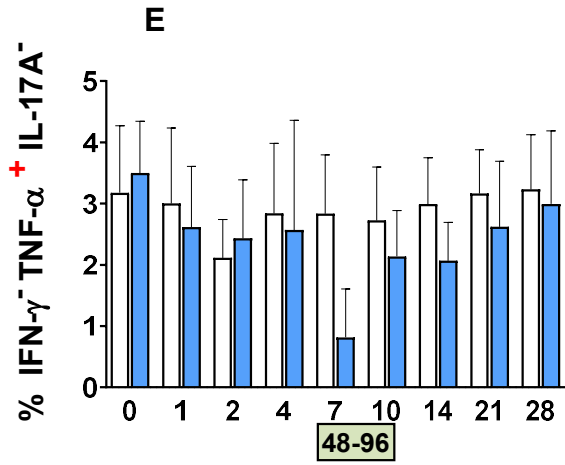
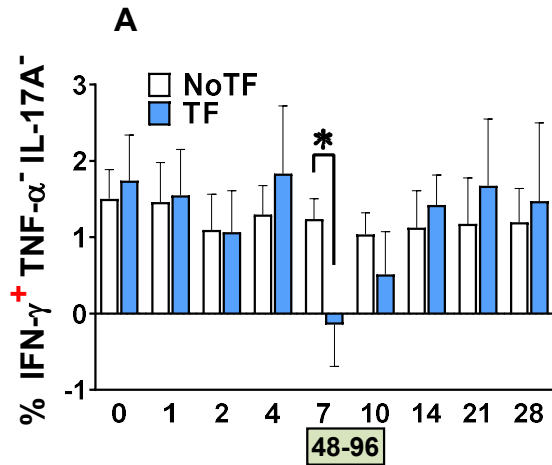
S8 Figure



S9 Figure



S10 Figure



Days after challenge