

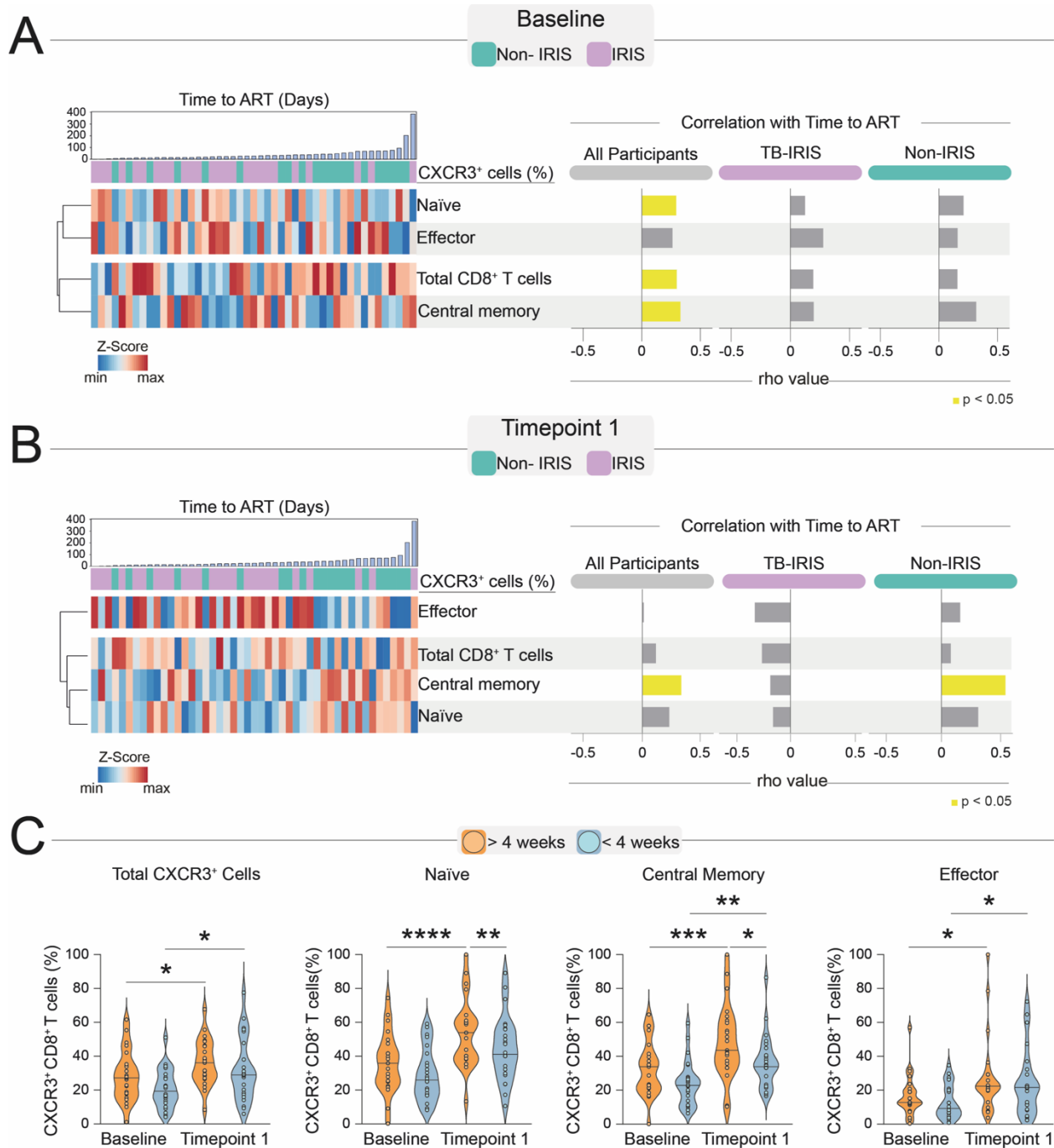
Supplementary Table 1. Characteristics of the study participants

Patient characteristics	Non Tb IRIS (N =25)	TB-IRIS (N= 31)	p-value
Male Gender - n (%)	20 (80%)	18 (58%)	0.735
Median Age - years (IQR)	37 (31-40)	36 (27-46)	0.967
Median BMI -Kg/m² (IQR)	40.5 (35.7-46.5)	42.0 (36.0-48.0)	0.732
Median Time to ART - days (IQR)	43 (23-68)	20 (14-30)	< 0.001
Hematologic characteristics			
CD4⁺ T lymphocytes/μL – median (IQR)	156 (89-264)	93 (39- 135)	0.005
CD8⁺ T lymphocytes/μL – median (IQR)	459 (297 -727)	765 (311 -1095)	0.109
HIV RNA copies – median log₁₀/mL plasma (IQR)	5.3 (4.5 -5.6)	5.9 (5.4 – 5.9)	< 0.001

Table Note: Data represent no (%) of participants unless otherwise indicated. Data were compared using the Mann Whitney U test (continuous variables) or the Fisher's exact test. IQR=interquartile range; BMI=body mass index; ART=antiretroviral therapy

Supplementary Table 2. Antibody Panel

Marker	Fluorochrome	Clone	Manufacturer	Catalogue #
CD3	APC-Cy™7	SK7	BD pharmigen	557832
CD4	Pacific Blue	RM4-5	ebioscience	MCD0428TR
CD8	Qdot 605	3B5	Invitrogen	Q10009
CD45RO	Pe-Cy5	UCHL1	ebioscience	15-0457-73
CD27	FITC	M-T271	BD pharmigen	555440
CCR6	Pe	11A9	BD pharmigen	559562
CXCR3	APC	1C6/CXCR3	BD pharmigen	550967



Supplementary Figure 1 - Expression of CXCR3⁺ in memory CD8⁺ T cells from patients that initiated ART with more or less than 4 weeks difference from ATT initiation. We employed a hierarchical cluster analysis of z-score normalized values of CXCR3⁺ memory CD8⁺ T lymphocytes at Baseline (A) and at timepoint 1 (B). The right panel depicts Spearman correlation coefficient values between time from ATT to ART initiation vs. the frequency of indicated parameters. (C) Violin plots represent the frequencies of each CXCR3⁺ memory CD8⁺ T cell in our study groups. Data were analyzed using the Mann-Whitney test or Wilcoxon matched-pairs test for paired analyses within each study group (**p < 0.01, ****p < 0.0001).

