SUPPLEMENTAL DATA

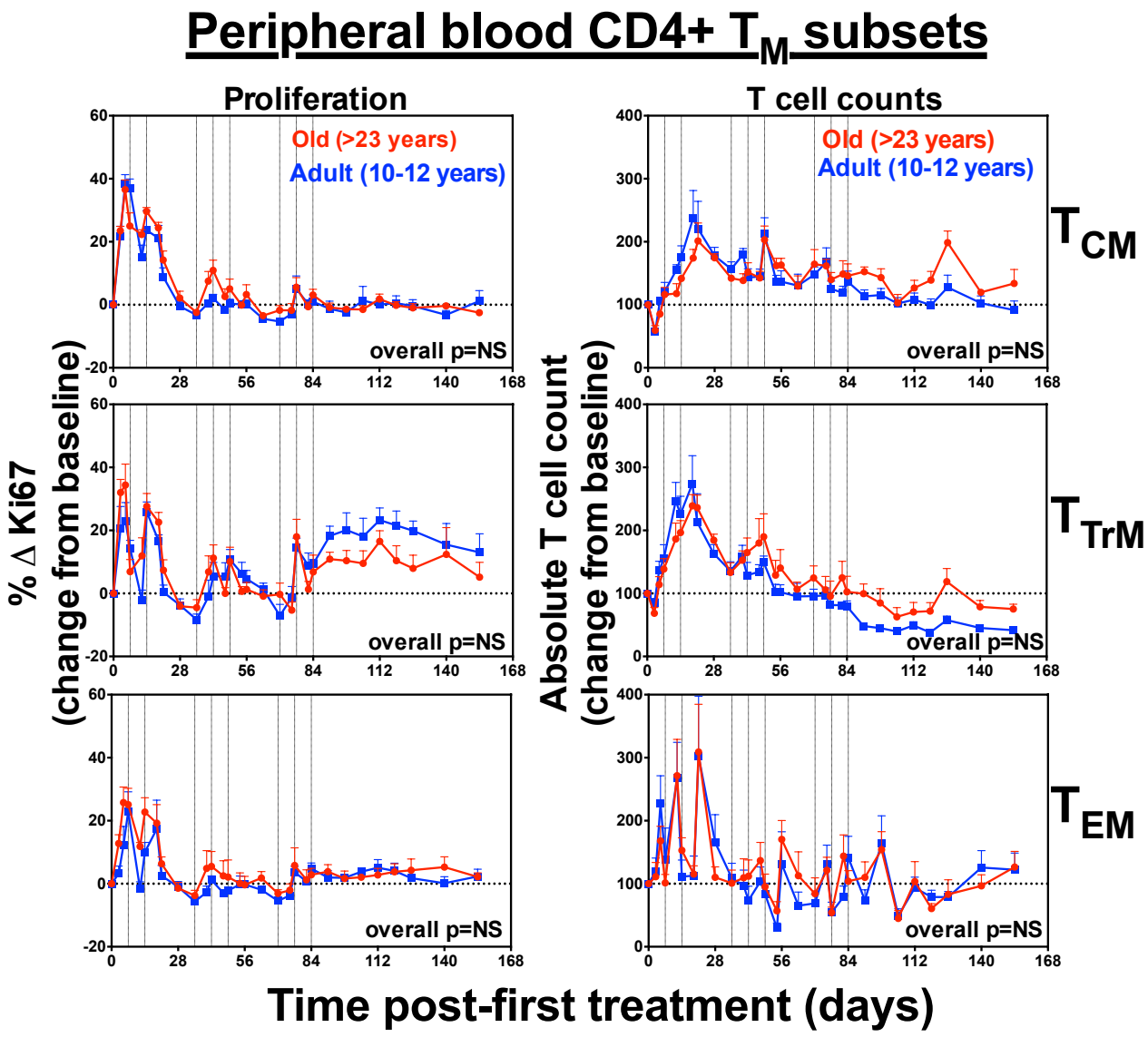
TABLES

Supplementary Table 1: Characteristics of monkeys in designated IL-7 treatment groups.

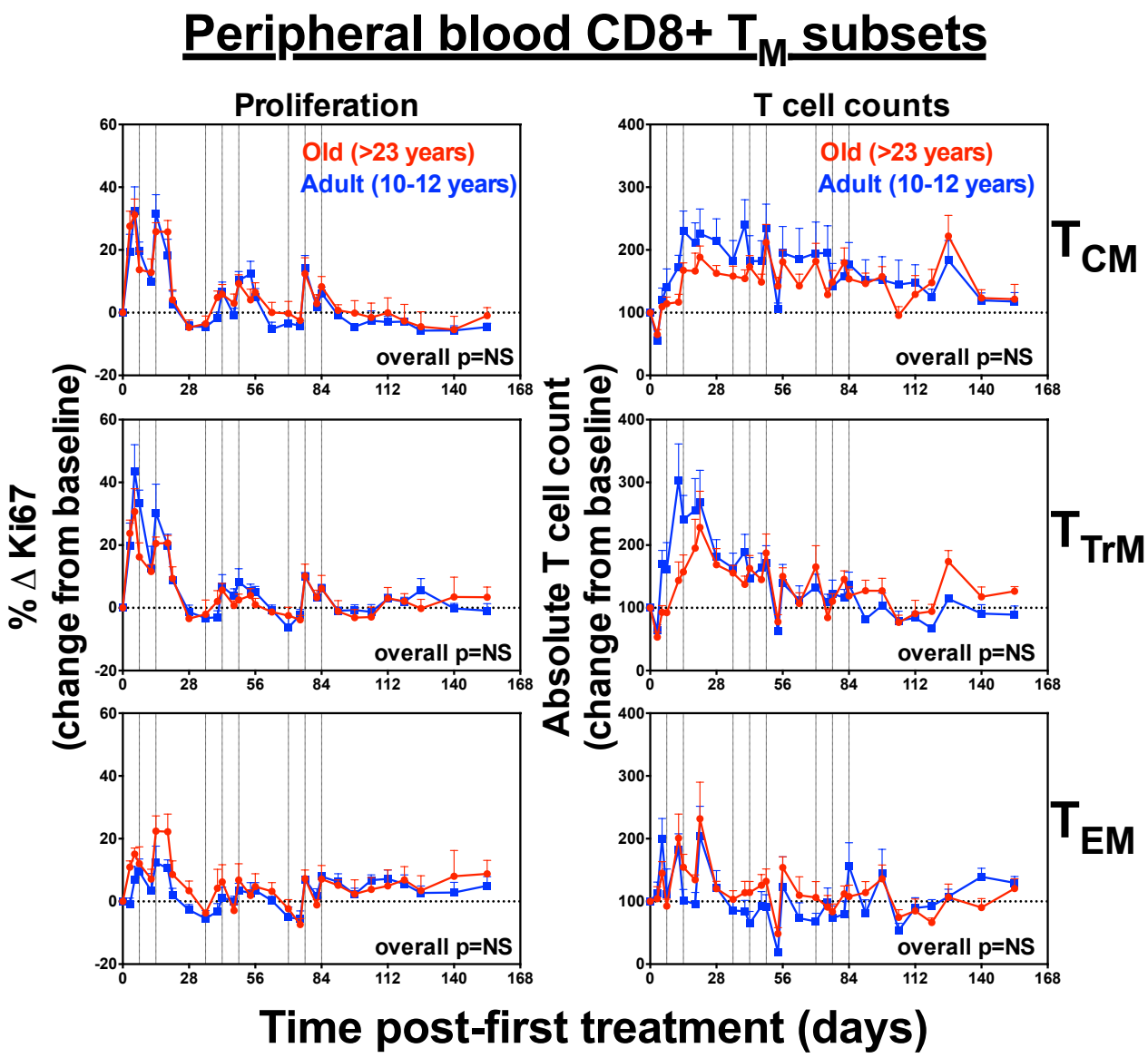
RM#	Age (years)	Gender	# of IL-7 doses (30µg/Kg)	Surgery
11901	28	Female	7 single doses	N/A
12329	26	Male	7 single doses	N/A
12334	26	Male	7 single doses	N/A
13807	23	Female	7 single doses	N/A
18325	22	Female	7 single doses	N/A
20084	22	Male	7 single doses	N/A
20097	21	Male	7 single doses	N/A
18844	13	Female	7 single doses	N/A
19819	11	Male	7 single doses	N/A
19830	11	Male	7 single doses	N/A
20445	11	Female	7 single doses	N/A
11692	28	Female	9 clustered doses	N/A
13804	24	Female	9 clustered doses	N/A
13820	24	Female	9 clustered doses	N/A
17523	23	Female	9 clustered doses	N/A
20079	24	Female	9 clustered doses	N/A
20123	24	Female	9 clustered doses	N/A
19820	12	Male	9 clustered doses	N/A
19875	11	Male	9 clustered doses	N/A
19998	11	Female	9 clustered doses	N/A
21213	10	Female	9 clustered doses	N/A
19620	12	Male	9 clustered doses	N/A
25589	2.2	Male	2 single doses	Thymectomy
25816	1.9	Male	2 single doses	Thymectomy
24984	3.9	Male	2 single doses	Thymectomy
25159	3.9	Male	2 single doses	Thymectomy
25166	3.9	Male	2 single doses	Thymectomy
25180	3.7	Male	2 single doses	Thymectomy
25813	1.9	Male	2 single doses	Sham
26153	2	Male	2 single doses	Sham
25325	3.8	Male	2 single doses	Sham
25762	2.9	Male	2 single doses	Sham
25771	2.7	Male	2 single doses	Sham
25889	2.8	Male	2 single doses	Sham

Supplementary Table 2: Oligonucleotide primers used for spectratyping analysis of TCR Vβ gene of RM (42).

Vβ and Cβ Primers	**Sequences 5' – 3'**	**References**
RH Vβ1	GCA CAA CAG TTC CCT GAC TTG CAC	Chen *et al.* 1993
RH Vβ2	CAT CAA CCA TCC AAA CCT GAC CT	Chen *et al.* 1993
RH Vβ3	GTCTCTAGAGAGAAG GAG CGC	Chen *et al*. 1993
RH Vβ4	ACA TAT GAG AGT GGA TTT GTC ATT	Chen *et al*. 1993
RH Vβ5.3	TGT GTC CTG GTA CCA ACA GG	Chen *et al*. 1993
RH Vβ6	AGG ACT GAG GGA TCC GTC TC	Chen *et al*. 1993
RH Vβ7	CCT GAA TGC TCC AAG AGCTCT C	Chen *et al*. 1993
RH Vβ8.1	ATT TACTTT AACAAC AAGTCT CCG	Chen *et al*. 1993
RH Vβ9	TCT CCA GAC AAA GCT CAT TT	Chen *et al*. 1993
RH Vβ10	CCC AAA ACT CAT CCT GTA CC	Chen *et al*. 1993
RH Vβ11-3	TCAACAGTCTCCAGACTAAGGATAG	Chen *et al*. 1993
RH Vβ12	AAA GGA GAA GTC TCA GAT	Chen *et al*. 1993
RH Vβ13.2	ACG TGT CAC CAG ACT TGG A	Chen *et al*. 1993
RH Vβ14	GTC TCT CGA AAA GAG AAG AGG AA	Chen *et al*. 1993
RH Vβ15	GGG TAC AGT GTC TCT AGA GA	Chen *et al*. 1993
RH Vβ16	CAG GAT GAG TCC GGT ATG CC	Chen *et al*. 1993
RH Vβ17	GAT GAG TCA GGA ATG CCA AAG GAA	Chen *et al*. 1993
RH Vβ18	GAGTCAGGA ATG CCA AAGGA	Chen *et al*. 1993
RH Vβ19	CAG ATA GTA AAT GAC ATT CA	Chen *et al*. 1993
RH Vβ20	CAA TGC CCC AAG AAC CTA CC	Chen *et al*. 1993
RH Vβ21	GAG AGG CTC AAA GGA GTA	Chen *et al*. 1993
RH Vβ22	GGA AGC ATC CCT GAT CGA TT	Chen *et al*. 1993
RH Vβ23	AGT CTG AAA TAT TTG AAG ATC	Chen *et al*. 1993
RH Vβ24	AAC ACT TCT TTC TGC TTT C	Chen *et al*. 1993
RH 3'-Cβ1	GTG CTG ACC CCA CTG TGC ACC TC	Chen *et al*. 1993
RH 5'-Cβ-FAM	CACGTGGTCGGGGTAGAAGCC	In this study



Supplementary Figure 1. Comparison of the absolute counts and proliferative fraction of $CD4^+$ T_{CM}, T_{TrM}, and T_{EM} subsets in blood after s.c. injections of rsIL-7 (30µg/kg) on days 0, 7, 14, 35, 42, 49, 70, 77 and 84. Results (mean + SEM) are shown as percentage of $Ki\text{-}67^+$, change (Δ) from baseline or absolute counts percentage of baseline. Significance of differences in these parameters between adult vs. old RM groups was assessed as described in the materials and methods (NS, non-significant).



Supplementary Figure 2. Comparison of the absolute counts and proliferative fraction of $CD8^+$ T_{CM}, T_{TrM}, and T_{EM} subsets in blood after s.c. injections of rsIL-7 (30μg/kg) on days 0, 7, 14, 35, 42, 49, 70, 77 and 84. Results (mean + SEM) are shown as percentage of $Ki\text{-}67^+$, change (Δ) from baseline or absolute counts percentage of baseline. Significance of differences in these parameters between adult vs. old RM groups was assessed as described in the materials and methods (NS, non-significant).