Table 1.   Tax expression and surface marker staining

	HAM/TSP	AC					not-infected	
		High load	P	Low load	P			P
	(n=15)	(n=14)		(n=9)			(n = 6)	
Age	50.3 ± 8.4	46.1 ± 13.3	0.32 (S)	44.9 ± 13.3	0.23	(S)	45.8± 5.3	0.24 (S)
Median provirus load (tax copy/10,000PBMC)	527	474	0.66 (M)	184	**0.0001** (M)			
Tax+ cell (%)	2.84 ± 2.51	2.26 ± 0.97	0.42 (W)	0.85 ± 0.47	**0.0089** (W)			
Tax+ cell /HTLV-I load (%)	47.2 ±34.8	41.9 ± 20.3	0.62 (S)	49.5 ± 24.4	0.86	(S)		
Intensity of Tax + cells	27.5 ± 5.0	28.9 ± 5.1	0.45 (S)	24.2 ± 4.1	0.11	(S)		
CD4+ cell (%)	49.8 ± 11.2	46.1 ± 9.9	0.35 (S)	44.3 ± 5.6	0.19	(S)	41.5 ± 9.2	0.13 (S)
CD4+Tax+ cell (%)	2.57 ± 2.32	2.01 ± 0.94	0.40 (W)	0.76 ± 0.46	**0.0098** (W)			
Tax+ / CD4+ cell (%)	5.67 ± 5.75	4.41 ± 1.91	0.43 (W)	1.71 ± 0.93	**0.0195** (W)			
CD8+ cell (%)	21.3 ± 8.0	22.6 ± 7.2	0.64 (S)	21.3 ± 6.3	0.98	(S)	23.8 ± 6.7	0.50 (S)
CD8+Tax+ cell (%)	0.23 ± 0.35	0.13 ± 0.13	0.34 (W)	0.03 ± 0.02	**0.048**	(W)		
Tax+ / CD8+ cell (%)	1.12 ± 1.74	0.58 ± 0.55	0.27 (W)	0.16 ± 0.16	0.052	(W)		
CD4/8 ratio	2.95 ± 2.16	2.31 ± 1.17	0.33 (S)	2.32 ± 1.07	0.43	(S)	1.92 ± 0.75	0.12 (W)

P values were calculated as comparison against HAM/TSP patients.
Statistical analysis methods used are shown in parentheses.   S; Student's t-test.   W; Welch's t-test.   M; Mann-Whitney's U-test.

Table 2.   Cytokine expression in Tax expressing cells and in non-Tax expressing cells

	HAM/TSP	AC					not-infected	
	(n=15)	High load (n=14)	P	Low load (n=9)	P		(n = 6)	P
IFN-γ+ total cell (%)	0.20 ± 0.16	0.08 ± 0.05	**0.015** (W)	0.12 ± 0.05	0.08 (W)		0.04 ± 0.03	**0.002** (W)
IFN-γ+ Tax- cell (%)	0.08 ± 0.10	0.05 ± 0.03	0.187 (W)	0.08 ± 0.04	0.86 (W)		0.04 ± 0.03	0.19 (W)
Intensity of IFN-γ+ Tax- cell	5.33 ± 2.07	5.77 ± 1.44	0.52 (S)	5.67 ± 1.33	0.67 (S)		6.36 ± 1.90	0.34 (S)
IFN-γ+ Tax+ cell (%)	0.119 ± 0.117	0.039 ± 0.043	**0.023** (W)	0.048 ± 0.056	**0.04** (W)			
Intensity of IFN-γ+ Tax+ cell	4.19 ± 0.81	5.17 ± 2.61	0.20 (W)	4.70 ± 0.95	0.18 (S)			
IFN-γ+ / Tax+ cell (%)	4.48 ± 2.52	1.56 ± 1.07	**0.0006** (W)	4.14 ± 2.92	0.77 (S)			
TNF-α+ total cell (%)	0.12 ± 0.07	0.08 ± 0.04	0.11 (S)	0.10 ± 0.08	0.50 (S)		0.05 ± 0.07	0.08 (S)
TNF-α+ Tax- cell (%)	0.09 ± 0.07	0.07 ± 0.04	0.32 (S)	0.09 ± 0.08	0.80 (S)		0.05 ± 0.07	0.25 (S)
Intensity of TNF-α+ Tax- cell	5.79 ± 2.56	5.59 ± 1.32	0.79 (W)	5.28 ± 1.33	0.60 (S)		5.46 ± 2.29	0.78 (S)
TNF-α+ Tax+ cell (%)	0.025 ± 0.014	0.009 ± 0.007	**0.0016** (S)	0.009 ±0.004	**0.0009** (W)			
Intensity of TNF-α+ Tax+ cell	8.90 ± 5.67	5.15 ± 2.75	**0.03** (W)	3.00 ± 0.66	**0.001** (W)			
TNF-α+ / Tax+ cell (%)	1.511 ± 1.533	0.462 ± 0.367	**0.02** (W)	1.296 ± 0.859	0.69 (S)			
IL-4+ total cell (%)	0.20 ± 0.23	0.23 ± 0.24	0.68 (W)	0.15 ± 0.09	0.47 (W)		0.04 ± 0.03	**0.02** (W) [a]
IL-4+ Tax- cell (%)	0.19 ± 0.22	0.23 ± 0.24	0.65 (S)	0.15 ± 0.09	0.54 (W)		0.04 ± 0.03	**0.02** (W) [b]
Intensity of IL-4+ Tax- cell	7.53 ± 2.71	12.3 ± 3.15	**0.002** (S)	8.64 ± 2.34	0.32 (S)		3.64 ± 0.43	**0.0001** (W)
IL-4+ Tax+ cell (%)	0.008 ± 0.010	0.005 ± 0.006	0.32 (S)	0.001 ± 0.003	**0.028** (W)			
IL-4+ / Tax+ cell (%)	0.42 ± 0.52	0.23 ± 0.27	0.22 (W)	0.16 ± 0.37	0.21 (S)			

P values were calculated against HAM/TSP.
a) P values was 0.012 when calculated against AC (high load) and was 0.009 when calculated against AC (low load).
b) P values was 0.013 when calculated against AC (high load) and was 0.009 when calculated against AC (low load).
Statistical analysis methods used are shown in parentheses.   S; Student's t-test,   W; Welch's t-test.