

Table1. Demographic data of the study population

Group	Age (years)	Sex (M:F)	Time after 1st diagnosis (years)[†]	CD4⁺ T cell count (cells/mm³)	CD8⁺ T cell count (cells/mm³)	Plasma HIV load (copies/ml)
Categorized by plasma HIV load (threshold = 2000 copies/ml)						
Viraemic controllers (VC) (n = 13)	27.5 (18-51)	8:2	3 (1-9)	669 ^{††} (493-1,319)	957 (633-2,232)	1,079 ^{†††} (151-1,900)
Non-controllers (NC) (n = 32)	33 (21-66)	14:17	2 (0.5-13)	427.5 (126-881)	979 (382-2,008)	17,313 (3,094-1,132,883)
Categorized by presence of protective HLA class I alleles (HLA-B*27, -B*57 and -B*58)[§]						
Subject with protective-allele(s) (PA) (n = 19)	30 (18-49)	10:9	3 (1-12)	493 (126-1,319)	1,104 (550-2,232)	5,728 (151-1,132,883)
Subject without protective-allele(s) (nPA) (n = 26)	29.5 (19-66)	12:10	1 (0.5-13)	451 (173-855)	865 (382-1,489)	14,137 (936-309,949)

[†]This was calculated as years since donors were first diagnosed HIV-seroconverted to the day of sample collection.

^{††} p value = 0.0006, ^{†††} p value < 0.0001

[§] PA were subjects expressing any of these three HLA-B alleles, HLA-B*27, -B*57 and -B*58, while nPA were subjects with the other HLA-B alleles.

Table.2 HIV Gag p24 specific interferon- γ ELISpot responses

2A) Overall HIV Gag p24 specific interferon- γ ELISpot responses^{†§}

	Non-controllers (NC) (n = 31)	Viraemic controllers (VC) (n = 10)
Breadth (OLP)	3 (1-6)	3 (1-9)
Cumulative magnitude (SFU/10⁶ PBMC)	1755 (322-7913)	2748 (644-16098)
Median magnitude (SFU/10⁶ PBMC)	542 (98.75-2490)	684.5 (205-1855)

[†]All 23 OLPs were tested individually in duplicate.

[§]There were 4 non-responders in which their responses were either undetectable or below cutoff

2B) HIV Gag p24 specific interferon- γ ELISpot responses of protective HLA allele(s) positive viraemic controllers and non-controllers

	HLA-B*27 group		HLA-B*57/58 group	
	NC (4)[§]	VC (4)	NC (9)	VC (3)
Age (years)	34.5 (27-44)	25 (19-30)	34 (2-49)	28 (27-34)
HIV duration (years)	3.5 (2-10)	3 (2-3)	4 (1.5-12)	2 (1-3)
CD4⁺ T cell count (cells/mm³)	292 (195-881)	728 (493-1169)	368 (126-658)	699 (495-1319)*
CD8⁺ T cell count (cells/mm³)	1285 (624-2008)	1388 (1104-1814)	974 (550-2008)	810 (791-2232)
Plasma HIV load (copies/ml)	11747 (5728-299077)	1104.5 (742-1900)*	12231 (3026-1132883)	165 (151-1549)**
p24 breadth of responses (no of OLPs)	2 (2-4)	7.5 (2-9)	2 (1-6)	3 (1-3)
p24 magnitude of responses (SFU/10⁶ PBMC)	889.3 (167.3-902)	769 (512-1149)	721.5 (98.75-1445)	644 (205-725)
Breadth of specific HLA-I allele restricted epitope responses (no of EPs)	na	na [†]	2 (0-4)	3 (2-4)
Magnitude of specific HLA-I allele restricted epitope responses (SFU/10⁶ PBMC)	1109 (0-2547.5)	2112 (0-5834)	987 (0-3435)	586 (483-751)

data was shown as median value, *p value < 0.05, ** p value < 0.01

[§] One non-controller expressed both HLA-B*27 and -B*58.

[†] not analyzed, only 1 HLA-B*27 restricted epitope tested in this study