

Supplementary Table. Comparative allele frequencies of *CCR5*Δ32, *CCR2*-64I, *SDF1*-3'A, and *IFN*λ4 rs12979860 and rs8099917 gene polymorphisms between the study groups using logistic regression univariate analysis

Gene locus	Allele frequency		Genotype frequency			OR (95% CI) P value		Allele frequency		Genotype frequency			OR (95% CI) P value	
			n (%)	n (%)	n (%)					n (%)	n (%)	n (%)		
<i>CCR5</i>Δ32	wt	Δ32	wt/Δ32	wt/Δ32	Δ32/Δ32			<i>CCR2</i>-64I	G	A	GG	GA	AA	
HIV-naïve(n=156)	0.939	0.061	137 (87.8)	19 (12.2)	0	2.45 (1.06–5.68) 0.037		HIV-naïve(n=122)	0.885	0.115	97 (79.5)	22 (18.0)	3 (2.5)	1.38 (0.79–2.45) 0.260
HIV-ART (n=155)	0.974	0.026	148 (95.5)	6 (3.9)	1 (0.6)			HIV-ART (n=157)	0.914	0.086	131 (83.5)	25 (15.9)	1 (0.6)	
HIV-naïve (n=156)	0.939	0.061	137 (87.8)	19 (12.2)	0	2.18 (0.63–7.53)		HIV-naïve(n=122)	0.885	0.115	97 (79.5)	22 (18.0)	3 (2.5)	1.90 (1.01–3.60) 0.048
HIV-HTLV-1 (n=52)	0.971	0.029	50 (96.2)	1 (4.6)	1 (4.6)	0.217		HIV-HTLV-1 (n=48)	0.802	0.198	31 (64.5)	15 (31.3)	2 (4.2)	
HIV-naïve (n=156)	0.939	0.061	137 (87.8)	19 (12.2)	0	1.22 (0.44–3.40)		HIV-naïve(n=122)	0.885	0.115	97 (79.5)	22 (18.0)	3 (2.5)	1.76 (0.86–3.61) 0.124
HIV-HTLV-2 (n=34)	0.926	0.074	30 (88.2)	3 (8.82)	1 (2.94)	0.698		HIV-HTLV-2 (n=35)	0.814	0.186	23 (65.7)	11 (31.4)	1 (2.9)	
HIV-naïve (n=156)	0.939	0.061	137 (87.8)	19 (12.2)	0	1.09 (0.46–2.54)		HIV-naïve(n=122)	0.885	0.115	97 (79.5)	22 (18.0)	3 (2.5)	2.61 (1.11–6.14) 0.028
Control (n=71)	0.934	0.056	63 (88.7)	8 (11.3)	0	0.849		Control (n=74)	0.953	0.047	67 (90.5)	7 (9.5)	0	
HIV-ART (n=155)	0.974	0.026	148 (95.5)	6 (3.9)	1 (0.6)	1.12 (0.29–4.31)		HIV-ART (n=157)	0.914	0.086	131 (83.5)	25 (15.9)	1 (0.6)	2.62 (1.38–4.97) 0.003
HIV-HTLV-1 (n=52)	0.971	0.029	50 (96.2)	1 (4.6)	1 (4.6)	0.868		HIV-HTLV-1 (n=48)	0.802	0.198	31 (64.5)	15 (31.3)	2 (4.2)	
HIV-ART (n=155)	0.974	0.026	148 (95.5)	6 (3.9)	1 (0.6)	2.99 (0.95–9.46)		HIV-ART (n=157)	0.914	0.086	131 (83.5)	25 (15.9)	1 (0.6)	2.42 (1.18–4.98) 0.016
HIV-HTLV-2 (n=34)	0.926	0.074	30 (88.2)	3 (8.82)	1 (2.94)	0.061		HIV-HTLV-2 (n=35)	0.814	0.186	23 (65.7)	11 (31.4)	1 (2.9)	
HIV-ART (n=155)	0.974	0.026	148 (95.5)	6 (3.9)	1 (0.6)	2.25 (0.83–6.13)		HIV-ART (n=157)	0.914	0.086	131 (83.5)	25 (15.9)	1 (0.6)	1.90 (0.81–4.46) 0.143
Control (n=71)	0.934	0.056	63 (88.7)	8 (11.3)	0	0.112		Control (n=74)	0.953	0.047	67 (90.5)	7 (9.5)	0	
HIV-HTLV-1 (n=52)	0.971	0.029	50 (96.2)	1 (4.6)	1 (4.6)	2.67 (0.62–11.57)		HIV-HTLV-1 (n=48)	0.802	0.198	31 (64.5)	15 (31.3)	2 (4.2)	1.08 (0.49–2.37) 0.844
HIV-HTLV-2 (n=34)	0.926	0.074	30 (88.2)	3 (8.82)	1 (2.94)	0.189		HIV-HTLV-2 (n=35)	0.814	0.186	23 (65.7)	11 (31.4)	1 (2.9)	
HIV-HTLV-1 (n=52)	0.971	0.029	50 (96.2)	1 (4.6)	1 (4.6)	2.01 (0.52–7.77)		HIV-HTLV-1 (n=48)	0.802	0.198	31 (64.5)	15 (31.3)	2 (4.2)	4.97 (2.00–12.35) <0.001
Control (n=71)	0.934	0.056	63 (88.7)	8 (11.3)	0	0.311		Control (n=74)	0.953	0.047	67 (90.5)	7 (9.5)	0	
HIV-HTLV-2 (n=34)	0.926	0.074	30 (88.2)	3 (8.82)	1 (2.94)	1.33 (0.42–4.23)		HIV-HTLV-2 (n=35)	0.814	0.186	23 (65.7)	11 (31.4)	1 (2.9)	4.59 (1.74–12.11) 0.002
Control (n=71)	0.934	0.056	63 (88.7)	8 (11.3)	0	0.630		Control (n=74)	0.953	0.047	67 (90.5)	7 (9.5)	0	

Cont.

Gene locus	Allele frequency		Genotype frequency			OR (95% CI) P value
			n (%)	n (%)	n (%)	
SDF-1-3'A	G	A	GG	GA	AA	
HIV-naïve(n=104)	0.817	0.183	68 (65.4)	34 (32.7)	2 (1.9)	1.10 (0.69–1.75)
HIV-ART (n=145)	0.831	0.169	98 (67.6)	45 (31.0)	2 (1.4)	0.691
HIV-naïve(n=104)	0.817	0.183	68 (65.4)	34 (32.7)	2 (1.9)	1.21 (0.62–2.37)
HIV-HTLV-1 (n=45)	0.844	0.156	31 (68.9)	14 (31.1)	0	0.571
HIV-naïve(n=104)	0.817	0.183	68 (65.4)	34 (32.7)	2 (1.9)	1.10 (0.54–2.21)
HIV-HTLV-2 (n=33)	0.803	0.197	22 (66.7)	9 (27.3)	2 (6.0)	0.795
HIV-naïve(n=104)	0.817	0.183	68 (65.4)	34 (32.7)	2 (1.9)	1.24 (0.70–2.23)
Control (n=69)	0.848	0.152	48 (69.6)	21 (30.4)	0	0.460
HIV-ART (n=145)	0.831	0.169	98 (67.6)	45 (31.0)	2 (1.4)	1.10 (0.58–2.11)
HIV-HTLV-1 (n=45)	0.844	0.156	31 (68.9)	14 (31.1)	0	0.765
HIV-ART (n=145)	0.831	0.169	98 (67.6)	45 (31.0)	2 (1.4)	1.21 (0.61–2.38)
HIV-HTLV-2 (n=33)	0.803	0.197	22 (66.7)	9 (27.3)	2 (6.0)	0.589
HIV-ART (n=145)	0.831	0.169	98 (67.6)	45 (31.0)	2 (1.4)	1.13 (0.65–1.98)
Control (n=69)	0.848	0.152	48 (69.6)	21 (30.4)	0	0.661
HIV-HTLV-1 (n=45)	0.844	0.156	31 (68.9)	14 (31.1)	0	1.33 (0.58–3.06)
HIV-HTLV-2 (n=33)	0.803	0.197	22 (66.7)	9 (27.3)	2 (6.0)	0.500
HIV-HTLV-1 (n=45)	0.844	0.156	31 (68.9)	14 (31.1)	0	1.03 (0.49–2.14)
Control (n=69)	0.848	0.152	48 (69.6)	21 (30.4)	0	0.945
HIV-HTLV-2 (n=33)	0.803	0.197	22 (66.7)	9 (27.3)	2 (6.0)	1.37 (0.64–2.93)
Control (n=69)	0.848	0.152	48 (69.6)	21 (30.4)	0	0.423

Cont.													
Gene locus	Allele frequency		Genotype frequency			OR (95% CI) P value		Allele frequency		Genotype frequency			OR (95% CI) P value
			n (%)	n (%)	n (%)					n (%)	n (%)	n (%)	
<i>IFNλ4 rs12979860</i>	C	T	CC	CT	TT		<i>IFNλ4 rs8099917</i>	T	G	TT	TG	GG	
HIV-naïve(n=142)	0.637	0.363	62 (43.7)	57 (40.1)	23 (16.2)	1.32 (0.94–1.86)	HIV-naïve (n=143)	0.808	0.192	92 (64.3)	47 (32.9)	4 (2.8)	1.10 (0.73–1.67)
HIV-ART (n=158)	0.699	0.301	81 (51.3)	59 (37.3)	18 (11.4)	0.107	HIV-ART (n=158)	0.823	0.177	106 (67.1)	48 (30.4)	4 (2.5)	0.634
HIV-naïve (n=142)	0.637	0.363	62 (43.7)	57 (40.1)	23 (16.2)	1.05 (0.58–1.91)	HIV-naïve (n=143)	0.808	0.192	92 (64.3)	47 (32.9)	4 (2.8)	1.24 (0.58–2.69)
HIV-HTLV-1 (n=28)	0.625	0.375	11 (39.3)	13 (46.4)	4 (14.3)	0.861	HIV-HTLV-1 (n=28)	0.839	0.161	20 (71.4)	7 (25.0)	1 (3.6)	0.580
HIV-naïve (n=142)	0.637	0.363	62 (43.7)	57 (40.1)	23 (16.2)	1.44 (0.74–2.80)	HIV-naïve (n=143)	0.808	0.192	92 (64.3)	47 (32.9)	4 (2.8)	1.05 (0.46–2.40)
HIV-HTLV-2 (n=20)	0.550	0.450	9 (45.0)	4 (20.0)	7 (35.0)	0.287	HIV-HTLV-2 (n=20)	0.800	0.200	14 (70.0)	4 (20.0)	2 (10.0)	0.908
HIV-naïve (n=142)	0.637	0.363	62 (43.7)	57 (40.1)	23 (16.2)	1.23 (0.80–1.88)	HIV-naïve (n=143)	0.808	0.192	92 (64.3)	47 (32.9)	4 (2.8)	1.36 (0.80–2.34)
Control (n=71)	0.683	0.317	33 (46.5)	31 (43.7)	7 (9.8)	0.350	Control (n=74)	0.851	0.149	54 (73.0)	18 (24.3)	2 (2.7)	0.260
HIV-ART (n=158)	0.699	0.301	81 (51.3)	59 (37.3)	18 (11.4)	1.40 (0.77–2.52)	HIV-ART (n=158)	0.823	0.177	106 (67.1)	48 (30.4)	4 (2.5)	1.12 (0.52–2.43)
HIV-HTLV-1 (n=28)	0.625	0.375	11 (39.3)	13 (46.4)	4 (14.3)	0.270	HIV-HTLV-1 (n=28)	0.839	0.161	20 (71.4)	7 (25.0)	1 (3.6)	0.765
HIV-ART (n=158)	0.699	0.301	81 (51.3)	59 (37.3)	18 (11.4)	1.90 (0.98–3.71)	HIV-ART (n=158)	0.823	0.177	106 (67.1)	48 (30.4)	4 (2.5)	1.16 (0.51–2.65)
HIV-HTLV-2 (n=20)	0.550	0.450	9 (45.0)	4 (20.0)	7 (35.0)	0.059	HIV-HTLV-2 (n=20)	0.800	0.200	14 (70.0)	4 (20.0)	2 (10.0)	0.724
HIV-ART (n=158)	0.699	0.301	81 (51.3)	59 (37.3)	18 (11.4)	1.08 (0.70–1.66)	HIV-ART (n=158)	0.823	0.177	106 (67.1)	48 (30.4)	4 (2.5)	1.23 (0.72–2.11)
Control (n=71)	0.683	0.317	33 (46.5)	31 (43.7)	7 (9.8)	0.727	Control (n=74)	0.851	0.149	54 (73.0)	18 (24.3)	2 (2.7)	0.444
HIV-HTLV-1 (n=28)	0.625	0.375	11 (39.3)	13 (46.4)	4 (14.3)	1.36 (0.60–3.11)	HIV-HTLV-1 (n=28)	0.839	0.161	20 (71.4)	7 (25.0)	1 (3.6)	1.31 (0.46–3.74)
HIV-HTLV-2 (n=20)	0.550	0.450	9 (45.0)	4 (20.0)	7 (35.0)	0.461	HIV-HTLV-2 (n=20)	0.800	0.200	14 (70.0)	4 (20.0)	2 (10.0)	0.620
HIV-HTLV-1 (n=28)	0.625	0.375	11 (39.3)	13 (46.4)	4 (14.3)	1.29 (0.68–2.47)	HIV-HTLV-1 (n=28)	0.839	0.161	20 (71.4)	7 (25.0)	1 (3.6)	1.10 (0.47–2.55)
Control (n=71)	0.683	0.317	33 (46.5)	31 (43.7)	7 (9.8)	0.435	Control (n=74)	0.851	0.149	54 (73.0)	18 (24.3)	2 (2.7)	0.830
HIV-HTLV-2 (n=20)	0.550	0.450	9 (45.0)	4 (20.0)	7 (35.0)	1.76 (0.86–3.61)	HIV-HTLV-2 (n=20)	0.800	0.200	14 (70.0)	4 (20.0)	2 (10.0)	1.43 (0.58–3.51)
Control (n=71)	0.683	0.317	33 (46.5)	31 (43.7)	7 (9.8)	0.121	Control (n=74)	0.851	0.149	54 (73.0)	18 (24.3)	2 (2.7)	0.433

n, number of DNA samples; OR, Odds ratio; CI, confidence interval