

Supplementary Table 3. Association of HLA alleles with time to CD4 reconstitution after ART initiation (N = 526)

HLA Allele	N (%)	OR	95% CI	P value (q value*)
A*02	253 (48)	1.22	(0.79, 1.88)	0.38 (0.67)
A*02:01	55 (10)	0.61	(0.32, 1.16)	0.13 (0.67)
A*02:03	96 (18)	1.46	(0.8, 2.66)	0.21 (0.67)
A*02:07	97 (18)	1.25	(0.71, 2.21)	0.44 (0.68)
A*11	263 (50)	0.76	(0.49, 1.18)	0.22 (0.67)
A*11:01	245 (47)	0.68	(0.43, 1.06)	0.09 (0.67)
A*24	163 (31)	1.24	(0.76, 2.01)	0.39 (0.67)
A*24:02	101 (19)	1.43	(0.79, 2.59)	0.24 (0.67)
A*33:03	146 (28)	1.17	(0.72, 1.92)	0.52 (0.71)
B*13	83 (16)	1.07	(0.58, 1.95)	0.84 (0.9)
B*13:01	70 (13)	1.43	(0.72, 2.83)	0.31 (0.67)
B*15	146 (28)	1.01	(0.62, 1.64)	0.96 (0.96)
B*15:02	83 (16)	0.8	(0.45, 1.42)	0.44 (0.68)
B*18	57 (11)	1.66	(0.76, 3.62)	0.21 (0.67)
B*40	104 (20)	1.03	(0.6, 1.78)	0.91 (0.95)
B*40:01	73 (14)	0.9	(0.49, 1.67)	0.74 (0.82)
B*46:01	139 (26)	1.55	(0.92, 2.6)	0.1 (0.67)
B*51	54 (10)	1.18	(0.55, 2.53)	0.67 (0.8)
B*58:01	87 (17)	1.36	(0.74, 2.49)	0.33 (0.67)
C*01	168 (32)	1.44	(0.89, 2.32)	0.14 (0.67)
C*01:02	168 (32)	1.44	(0.89, 2.32)	0.14 (0.67)
C*03	191 (36)	1.26	(0.79, 1.98)	0.33 (0.67)
C*03:02	88 (17)	1.36	(0.74, 2.49)	0.32 (0.67)
C*03:04	88 (17)	1.18	(0.65, 2.16)	0.58 (0.74)
C*04	95 (18)	0.79	(0.46, 1.36)	0.39 (0.67)
C*07	251 (48)	0.92	(0.59, 1.42)	0.69 (0.8)
C*07:02	159 (30)	0.86	(0.54, 1.37)	0.52 (0.71)
C*08	101 (19)	0.79	(0.46, 1.36)	0.39 (0.67)
C*08:01	100 (19)	0.84	(0.49, 1.46)	0.54 (0.71)

*q value was adjusted for multiple comparisons (29 HLA class I alleles). Age, sex, Fiebig stage, pre-ART VL were adjusted in the model.