

Supplementary Figure S1

(a) Multiple logistic regression model displaying parameters associated with *C. cayetanensis* carriage in HIV positive participants. (b) Multiple linear regression model displaying parameters associated with an increase of HLA-DR+CD38+CD4+ (%) in HIV positive participants. Due to graphical restrictions of the 'forestmodel' package in R, the term "*C. cayetanensis*" is displayed in plain letters.

a. Factors associated with *C. cayetanensis* status

Variable	N	Odds ratio	p
Age in years	604	0.98 (0.94, 1.01)	0.16
Sex			
female	447	Reference	
male	157	1.45 (0.75, 2.74)	0.26
CD4+ T cell count in cells/μl			
≥200	426	Reference	
<200	178	2.11 (1.17, 3.79)	0.01
Co-trimoxazole prophylaxis			
no	403	Reference	
yes	201	0.69 (0.35, 1.29)	0.26

b. Factors associated with HLA-DR+CD38+CD4+ (%)

Variable	N	Estimate	p
Age in years	270	-0.00 (-0.18, 0.17)	0.99
Sex			
female	195	Reference	
male	75	2.92 (-0.86, 6.70)	0.13
CD4+ T cell count in cells/μl			
≥200	198	Reference	
<200	72	13.63 (9.86, 17.40)	<0.001
Co-trimoxazole prophylaxis			
no	183	Reference	
yes	87	1.97 (-1.54, 5.49)	0.27
Cyclospora cayetanensis			
no	246	Reference	
yes	24	7.46 (1.65, 13.27)	0.01