

Characteristic	N	Overall, N = 88	Darunavir/ritonavir (DRV/r), N = 42	Dolutegravir (DTG), N = 46	p-value [†]
Age, years, Median (IQR)	88	41 (32 – 48)	42 (34 – 47)	39 (30 – 49)	0·54
Gender, n (%)	88				0·90
Female		13 (15%)	6 (14%)	7 (15%)	
Male		75 (85%)	36 (86%)	39 (85%)	
Ethnic Group, n (%)	87				0·19
Asian		1 (1·1%)	0 (0%)	1 (2·2%)	
Black		6 (6·9%)	4 (9·8%)	2 (4·3%)	
Caucasian		36 (41%)	13 (32%)	23 (50%)	
Hispanic		34 (39%)	17 (41%)	17 (37%)	
Other		10 (11%)	7 (17%)	3 (6·5%)	
Unknown		1	1	0	
Risk Group, n (%)	84				0·68
HTS		35 (42%)	19 (48%)	16 (36%)	
MSM		47 (56%)	20 (50%)	27 (61%)	
PWID		2 (2·4%)	1 (2·5%)	1 (2·3%)	
Unknown		4	2	2	
Center, n (%)	88				0·51
01		36 (41%)	19 (45%)	17 (37%)	
02		16 (18%)	6 (14%)	10 (22%)	
03		3 (3·4%)	3 (7·1%)	0 (0%)	
04		10 (11%)	4 (9·5%)	6 (13%)	
05		7 (8·0%)	3 (7·1%)	4 (8·7%)	
06		16 (18%)	7 (17%)	9 (20%)	
BMI, Median (IQR)	86	21·9 (20·1 – 24·4)	21·9 (19·7 – 24·4)	21·9 (20·9 – 24·4)	0·43
Unknown		2	0	2	
BMI Class, n (%)	86				>0·99
Healthy weight (18.5-24.9)		60 (70%)	29 (69%)	31 (70%)	
Overweight (25-29.9)		16 (19%)	8 (19%)	8 (18%)	
Underweight (<18.5)		10 (12%)	5 (12%)	5 (11%)	
Unknown		2	0	2	
CD4+, cells/mm ³ , Median (IQR)	88	34 (12 – 67)	29 (9 – 53)	40 (16 – 73)	0·12
CD4+ Nadir, cells/mm ³ , Median (IQR)	88	29 (10 – 54)	23 (8 – 42)	32 (12 – 54)	0·22
CD8+, cells/mm ³ , Median (IQR)	88	559 (297 – 849)	568 (251 – 815)	557 (352 – 872)	0·57
CD4_CD38_DR, cells/mm ³ , Median (IQR)	88	28 (15 – 38)	27 (16 – 36)	29 (15 – 43)	0·81
CD8_CD38_DR, cells/mm ³ , Median (IQR)	88	44 (31 – 56)	41 (31 – 54)	46 (31 – 59)	0·69
IL6, pg/mL, Median (IQR)	62	21 (11 – 36)	19 (10 – 29)	23 (12 – 47)	0·31

Characteristic	N	Overall, N = 88	Darunavir/ritonavir (DRV/r), N = 42	Dolutegravir (DTG), N = 46	p-value ¹
Unknown		26	14	12	
TNFα, pg/mL, Median (IQR)	88	16 (13 – 20)	15 (13 – 18)	17 (14 – 23)	0·033*
sCD14, ng/mL, Median (IQR)	88	2 650 (2 149 – 3 449)	2 702 (2 168 – 3 399)	2 618 (2 037 – 3 461)	0·61
CRP, mg/mL, Median (IQR)	88	0·20 (0·10 – 0·73)	0·27 (0·12 – 0·82)	0·17 (0·08 – 0·59)	0·51
HIV Viral Load, copies/mL, Median (IQR)	88	363 000 (86 965 – 1 340 000)	404 500 (148 926 – 1 353 965)	215 847 (60 163 – 1 310 000)	0·13
CMV Viral Load, copies/mL, Median (IQR)	88	35 (0 – 158)	35 (0 – 136)	35 (0 – 185)	0·12
Gene Richness, counts/million, Median (IQR)	70	756 557 (623 883 – 930 823)	748 385 (616 177 – 944 787)	776 668 (648 593 – 918 137)	0·88
Unknown		18	7	11	

¹*p<0.05; **p<0.01; ***p<0.001

Note: HTS: heterosexual, MSM: Men who have sex with men, PWID = People who inject intravenous drugs; BMI: Body mass index; IL6: Interleukin -6; TNFα: Tumor necrosis factor - alpha; sCD14: soluble CD14; CRP: C-reactive protein; HIV: Human Immunodeficiency Virus; CMV: Cytomegalovirus. Gene richness metrics were obtained only from 70 subjects because 9 study participants did not provide a baseline sample and in 9 additional subjects we obtained less than 10 million microbial sequences, our sequence cutoff for calculating gene richness