

Table S3. Predictive value of baseline biomarkers for the absolute and relative CD4+ count at 48 and 96 weeks of ART.

Biomarker	CD4+ count 48 weeks		Relative CD4+ count 48 weeks		CD4+ count 96 weeks		Relative CD4+ count 96 weeks	
	rho	P ^a	rho	P	rho	P	rho	P
CD4+ count	0.64	2.23E-04	0.02	0.92	0.43	0.023	-0.17	0.38
CD4/CD8 ratio	0.43	0.024	-0.11	0.60	0.38	0.051	-0.13	0.52
Virolological biomarkers								
Plasma VL	0.23	0.23	0.46	0.013	0.16	0.42	0.39	0.038
US RNA	0.06	0.77	0.40	0.050	0.07	0.73	0.36	0.073
MS RNA	0.04	0.84	0.41	0.034	0.17	0.39	0.46	0.015
Total DNA	-0.03	0.90	-0.18	0.37	0.11	0.60	0.03	0.89
US RNA / total DNA	0.10	0.64	0.39	0.055	-0.03	0.88	0.19	0.35
US RNA / MS RNA	-0.13	0.53	-0.27	0.20	-0.28	0.17	-0.31	0.14
CD4+ T-cell subsets								
CD4+ Tn	0.28	0.23	0.27	0.26	-0.02	0.93	-0.01	0.96
CD4+ Ttd	0.20	0.39	0.31	0.19	0.26	0.27	0.36	0.12
CD4+ Tcm	0.13	0.52	-0.14	0.52	0.01	0.95	-0.23	0.26
CD4+ Ttm	-0.16	0.43	-0.09	0.68	-0.05	0.81	-0.07	0.75
CD4+ Tem	-0.34	0.095	-0.12	0.57	-0.03	0.90	0.17	0.41
CD4+/CD31+/CD45RA+	0.55	0.0044	0.22	0.29	0.02	0.93	-0.22	0.29
CD4+ naive T-cell CD31+ subset	0.39	0.056	0.33	0.12	0.00	0.99	0.00	0.99
CD4+/Ki67+	0.18	0.41	-0.15	0.48	0.19	0.36	-0.14	0.50
Treg	-0.15	0.44	-0.18	0.35	-0.12	0.53	-0.13	0.51
CD8+ T-cell subsets								
CD8+ Tn	0.35	0.088	0.09	0.67	0.02	0.91	-0.15	0.48
CD8+ Teff	-0.27	0.17	-0.06	0.77	-0.23	0.24	0.08	0.69
CD8+ Tcm	0.01	0.98	0.09	0.65	-0.15	0.45	-0.14	0.49
CD8+ Ttm	0.24	0.23	0.01	0.96	0.23	0.26	-0.09	0.67
CD8+ Tem	0.17	0.42	-0.06	0.76	0.41	0.038	0.09	0.65
CD8+ / Ki67+	-0.07	0.73	0.21	0.30	-0.11	0.58	0.15	0.46
CD4+ activation and exhaustion								
CD4+/CD38+	-0.02	0.93	-0.01	0.96	-0.15	0.45	-0.12	0.57
CD4+/CD57+	-0.28	0.16	-0.07	0.74	-0.16	0.44	0.06	0.79
CD4+/CTLA-4+	0.42	0.034	0.40	0.044	0.22	0.27	0.14	0.48
CD4+/HLA-DR+	-0.33	0.11	-0.31	0.13	-0.20	0.33	-0.17	0.42
CD4+/PD-1+	-0.34	0.088	-0.20	0.34	-0.17	0.42	-0.06	0.76
CD4+/HLA-DR+/CD38+	-0.22	0.27	-0.17	0.40	-0.20	0.34	-0.14	0.49
CD4+/CTLA-4+/PD-1+	0.08	0.68	0.17	0.40	0.03	0.87	0.08	0.69
CD4+/CD57+/PD-1+	-0.28	0.17	-0.09	0.65	-0.11	0.60	0.06	0.76
CD4+/CD57+/HLA-DR+	-0.08	0.69	-0.03	0.87	-0.09	0.67	-0.01	0.97
CD8+ activation and exhaustion								
CD8+/CD38+	-0.07	0.72	0.19	0.33	-0.05	0.81	0.16	0.40
CD8+/CD57+	-0.20	0.31	-0.24	0.22	0.08	0.67	0.14	0.49
CD8+/CTLA-4+	0.45	0.016	0.44	0.019	0.14	0.49	0.09	0.64

CD8+/HLA-DR+	-0.02	0.93	-0.08	0.68	0.06	0.75	-0.07	0.73
CD8+/PD-1+	-0.17	0.40	-0.16	0.42	-0.16	0.41	-0.14	0.48
CD8+/HLA-DR+/CD38+	0.04	0.86	0.05	0.81	0.08	0.67	0.01	0.95
CD8+/CTLA-4+/PD-1+	0.27	0.16	0.07	0.71	0.14	0.49	-0.04	0.82
CD8+/CD57+/PD-1+	0.02	0.90	-0.31	0.10	0.19	0.33	-0.13	0.51
CD8+/CD57+/HLA-DR+	0.07	0.73	-0.15	0.45	0.23	0.23	0.00	0.98
CD4+ apoptosis								
CD4+/Annexin-V+	0.06	0.76	0.35	0.075	0.05	0.80	0.27	0.19
CD4+/FAS+	0.04	0.86	-0.09	0.65	0.17	0.40	-0.12	0.57
CD4+/Annexin-V+/FAS+	0.17	0.42	0.20	0.34	0.11	0.60	-0.03	0.88
CD4+/Annexin-V+/CD38+	0.03	0.87	0.31	0.12	0.04	0.86	0.26	0.19
CD4+/Annexin-V+/HLA-DR+	0.00	0.98	0.33	0.10	-0.03	0.87	0.17	0.40
CD8+ apoptosis								
CD8+/Annexin-V+	-0.12	0.56	0.22	0.25	0.02	0.93	0.27	0.16
CD8+/FAS+	0.30	0.13	0.03	0.88	0.26	0.18	-0.09	0.65
CD8+/Annexin-V+/FAS+	0.05	0.81	0.15	0.44	0.02	0.90	0.04	0.86
CD8+/Annexin-V+/CD38+	-0.01	0.96	0.34	0.074	0.20	0.31	0.49	0.0088
CD8+/Annexin-V+/HLA-DR+	-0.03	0.88	0.22	0.26	0.01	0.95	0.09	0.65

^a Significant P values are shown in bold type, those that remained significant after correction for multiple comparisons are underlined.