

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Cohort characteristics stratified by subgroup (female, MSM, MSW) and HIV infection status.

File name: Supplementary Data 2

Description: Immunologic and virological parameters of PWH in cohort.

File name: Supplementary Data 3

Description: Factors that associate with community compositional variance.

File name: Supplementary Data 4

Description: Taxa that differentiate PLWH vs. seronegative, paired Wilcoxon tests.

File name: Supplementary Data 5

Description: Taxa that differentiate MSM vs. MSW, unpaired Mann-Whitney tests.

File name: Supplementary Data 6

Description: Taxa that differentiate MSM/RAI+ vs MSM/RAI-, unpaired Mann-Whitney tests.

File name: Supplementary Data 7

Description: Ridge logistic regression feature coefficients in comparison of MSM vs MSW.

File name: Supplementary Data 8

Description: Ridge logistic regression feature coefficients in comparison of PLWH vs seronegative.

File name: Supplementary Data 9

Description: Variables that associate with Dysbiosis Index using linear mixed effects to control for subject group.

File name: Supplementary Data 10

Description: Variables that associate with Shannon diversity using linear mixed effects to control for subject group.

File name: Supplementary Data 11

Description: Associations among PWH subjects between aptamer-based protein quantifications and HIV infection, Shannon diversity, and the Dysbiosis Index (DI).