Supplementary Data

SUPPLEMENTARY FIG. S1. Representative averaged mean ATR-FTIR spectra of serum obtained from: uninfected controls (*blue*), HIV^{pos} ART^{pos} (*red*), and HIV^{pos} ART^{neg} (*pink*).





SUPPLEMENTARY FIG. S2. Representative averaged mean ATR-FTIR spectra of serum obtained from: uninfected controls: $HIV^{pos} ART^{pos}$ (*blue*), uninfected: $HIV^{pos} ART^{neg}$ (*green*), and $HIV^{pos} ART^{pos}$ - $HIV^{pos} ART^{neg}$ (*red*).



SUPPLEMENTARY FIG. S3. OPLS-DA scores plots depicting the effects of age and gender in comparison to the original model of HIV^{pos} ART^{pos} patients and uninfected controls. Scores plots generated from: (A) OPLS-DA of HIV^{pos} ART^{pos} patients and uninfected controls. (B) OPLS-DA of differences in age with 20–30 years (*green*) and 40–50 years (*blue*). (C) OPLS-DA of differences in gender with male (*green*)and female (*blue*). Numeric 1 and 2 represent the uninfected control and treated groups, respectively. (B) and (C) show that the chemistry that plays a role in the differences between HIV-infected individuals and uninfected controls (A). This therefore means that age and gender had no influence on the HIV^{pos} ART^{pos} patients and uninfected controls model.



SUPPLEMENTARY FIG. S4. Comparison of OPLS-DA scores plots representing (A) the original model with 38 female and 7 male samples, and (B) new model with the removal of the 7 male samples (100% female). Numeric 1 and 2 represent the uninfected control and treated groups, respectively. This figure shows that the exclusion of the 7 male samples had minimal effect on the original model, meaning that gender had no influence on the original OPLS-DA model.