

## LIST OF ABBREVIATIONS

$\beta$	Beta
$\omega$	Omega
AIDS	Acquired Immunodeficiency Syndrome
ATP	Adenosine Triphosphate
$^1\text{H-NMR}$	Proton Nuclear magnetic resonance spectroscopy
MS	Mass spectrometry
HIV	Human Immunodeficiency Virus Type-1
HAART	Highly Active Antiretroviral Therapy
CD4	Cluster of differentiation 4
NRTI's	Nucleoside Reverse Transcriptase Inhibitors
NNRTI's	Non-Nucleoside Reverse Transcriptase Inhibitor
ART	Antiretroviral Treatment
LDL-p	Low Density Lipoprotein particle
mtDNA	mitochondrial Deoxyribonucleic Acid
IR	Insulin Resistance
PI	Protease Inhibitor
PCA	Principal Component Analysis
ANOVA	Analysis of Variance
LDA	Linear Discriminant Analysis
GC	Gas Chromatography

LC	Liquid Chromatography
SIV	Simian Immunodeficiency Virus
VLDL-p	Very Low Density Lipoprotein particle
HDL-p	High Density Lipoprotein particle
CVD	Cardiovascular Disease
CHD	Coronary Heart Disease
OPLS	Orthogonal Projections to Latent Structures
CSF	Cerebrospinal fluid
SHY	Statistical Heterospectroscopy
MRS	Magnetic Resonance Spectroscopy
NADH	Nicotinamide Adenine Dinucleotide Dehydrogenase
FADH <sub>2</sub>	Flavin Adenine Dinucleotide Dehydrogenase
ADP	Adenosine Diphosphate
O <sub>2</sub>	Oxygen
ROS	reactive oxygen species
TNF	Tumor Necrosis Factor
IL-6	Interleukin 6
SREBP-1	Sterol-regulatory Element-Binding Protein-1
C/EBP $\alpha$	CCAAT-Enhancer-Binding Protein alpha