

Figure S1

DNA

Whole Genome Sequencing

Peripheral Blood Mononuclear Cells

6.78 Billion Mapped Reads

34x coverage

Targeted DNA Sequencing

Naïve CD4+ T cells

1.08 million reads

283x coverage per site

Methylation Array

Illumina 450K BeadChip

Naïve CD4+ T cells

2 technical replicates

Memory CD4+ T cells

2 technical replicates

RNA

RNA-Seq

Naïve CD4+ T cells

67.2 million reads

33 average sequence
phred score

Memory CD4+ T cells

137 million reads

34 average sequence
phred score

Targeted RNA-Seq

Agilent HaloPlex

Naïve CD4+ T cells

Biological replicate 1

1.34 million reads

316x coverage per site

Biological replicate 2

1.96 million reads

436x coverage per site

Small RNA-Seq

Naïve CD4+ T cells

13.8 million reads

36 average sequence
phred score

Gene Expression Array

PrimeView HG-U133

Naïve CD4+ T cells

3 technical replicates

Memory CD4+ T cells

3 technical replicates

Protein

Global Proteomics

iTRAQ

365,129 tandem mass spectra

Naïve CD4+ T cells

1,702,317 tandem mass spectra

Phosphoproteomics

Naïve CD4+ T cells

311,704 tandem mass spectra

Memory CD4+ T cells

250,190 tandem mass spectra