

Supplementary Table S1. Primer sequences of candidate genes and *GAPDH* reference gene used for RT-qPCR

Primer name	Orientation	Primer sequence	PCR DNA fragment size
Human CIITA F	Forward	5'-AGAAGTCCAAGGTTAGGGGC-3'	164 bp
Human CIITA R	Reverse	5'-GGGTTGTCGTGGGAGTAAGA-3'	
Human HAT F	Forward	5'-CCCGTGGTGACTGTTTTCT-3'	174 bp
Human HAT R	Reverse	5'-ATGCCCTTACCTCACACCTG-3'	
Human DNMT1 F	Forward	5'-GTGGGGGACTGTGTCTCTGT-3'	185 bp
Human DNMT1 R	Reverse	5'-AGGAGCACTCGTCCTTTCA-3'	
Human SETDB2 F	Forward	5'-AAATGACTGGCTTGCCAAGG-3'	202 bp
Human SETDB2 R	Reverse	5'-TAACACACTGCTCGGGAAGT-3'	
Human KMT F	Forward	5'-TCAACCTGCTCTCCTTCCAG-3'	230 bp
Human KMT R	Reverse	5'-AAGGGAAGAACAGGGATGGG-3'	
Human GAPDH F	Forward	5'-CCCTAGTCCCCAGAAACAGG-3'	232 bp
Human GAPDH R	Reverse	5'-ATTCCTTCCCGGTTGCAAC-3'	

Supplementary Table S2. Primer sequences of HIV *gag-pol* and *Mtb rpoB* genes used for conventional PCR

Primer name	Orientation	Primer Sequence	PCR DNA fragment size
HIV gag-pol F	Forward	5'-CCAGCGGCTACACTAGAAGA-3'	110 bp
HIV gag-pol R	Reverse	5'-CCTGCAATTCTGGCTGTGT-3'	
Mtb rpoB F	Forward	5'-GTCGACGAGTGCAAAGACAA-3'	120 bp
Mtb rpoB R	Reverse	5'-TGGTCTCGTCGAAGTACACC-3'	