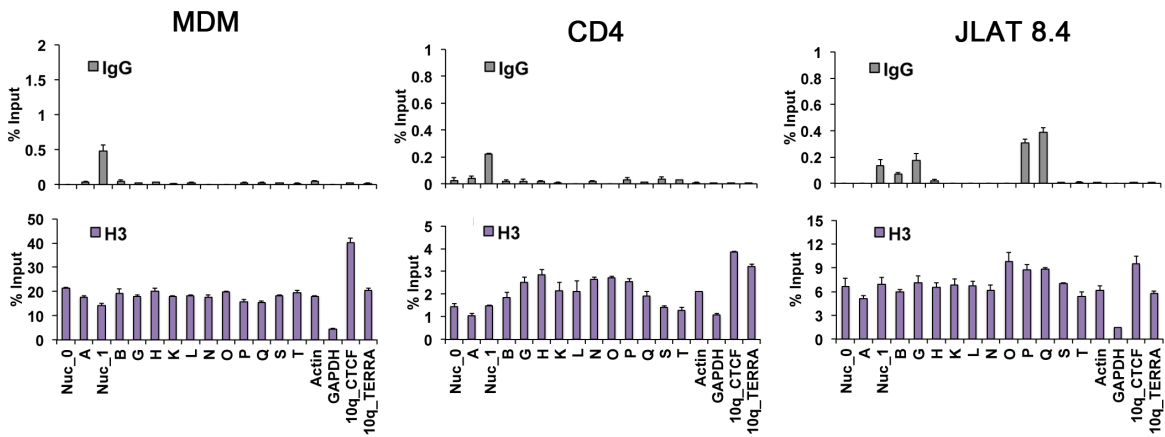


Epigenetic Landscape of HIV-1 Infection in Primary Human Macrophage

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Supplemental Information

Supplemental Figure S1



Supplemental Figure S1. ChIP-qPCR controls. ChIP-qPCR of HIV genome (as in Figure 1) showing control IgG and total H3 antibody in MDM, CD4, and JLAT 8.4.

Supplemental Table S1 – Gag, 2-LTR circle and cellular B-globin quantification primers

CATGTTTTTCAGCATTATCAGAAGGA	GAG 6F
TGCTTGATGTCCCCCACT	GAG 84R
5'-(FAM)-CCACCCACAAGATTTAAACACCATGCTAA-(BHQ1)-3'	GAG probe
AGCTAGGAAACCCACTGCTTAAG	YU2-2LTR-F
CCCACAGATCAAGGATATCTTGTC	YU2-2LTR-R
5'-(FAM)-CCACCCACAAGATTTAAACACCATGCTAA-(BHQ1)-3'	YU2-2LTR probe
CCCTTGGACCCAGAGGTTCT	BGlob-F
CGAGCACTTTCTTGCCATGA	BGlob-R
5'-(FAM)- GCGAGCATCTGTCCACTCCTGATGCTGTTATGGGCGCTCGC- (TAMRA)-3'	BGlob probe

Supplemental Table S2 HIV genomic primers.

A. Genomic primers for HIV YU2 strain.

CACTGACCTTTGGATGGTGCTT	Nuc_0_5'
TGCATTGGCCTCTTCTATCTTCT	Nuc_0_3'
AGAAGGGTTAGAGTGGAGGTTTGA	A_5'
TCTCGGGCCACGTGATG	A_3'
ATCTGAGCCTGGGAGCTCTCT	Nuc_1_5'
AGGCAAGCTTTATTGAGGCTTAAG	Nuc_1_3'
CGACTGGTGAGTACGCCAAA	B_5'
CGCACCCATCTCTCTCCTTCT	B_3'
CAGCCAGGTCAGCCAAAATT	C_5'
TGGCCTGATGTACCATTTGC	C_3'
GAGCAAGCTTCACAGGAGGTAAA	D_5'
TCTGGGTTTCGCATTTTGA	D_3'
GCCAACAGCCCCATCAGA	E_5'
CTGAGAGGGAGTTGTTGTCTCTTCT	E_3'
GGATGGCCCAAAGTTAAACAA	F_5'
TTTTCAGGCCCAATTTTTGAA	F_3'
CTTAGAAATAGGGCAGCATAGAACAA	G_5'
GGTAAATCCCCACCTCAACAGA	G_3'
AAAACAGGGAAATTCTAAAAGAACCA	H_5'
TTCTGTATTTCTGCTATCAAGTCTTTTGA	H_3'
TCTCCCTAACTGACACAACAAATCA	I_5'
CCGAATCCTGCAAAGCTAGATAA	I_3'
GCAGAAGTTATTCCAGCAGAGACA	J_5'
GGCCATCTTCCTGCTAATTTTAAG	J_3'
AACAGATGGCAGGTGATGATTG	K_5'
TTTACTAACTTTTCCATGCTCTAATCCT	K_3'
GCACAATGAATGGACACTAGAGCTT	L_5'
CATGGCCTAGGAAAATGTCTAACA	L_3'
GCAGAAGACAGTGGCAATGAGA	M_5'
CCTTTTCCACAAGTGCTGATAAT	M_3'
ATGGTAGAACAAATGCATGAGGATAT	N_5'
GGAGTTAATTTTACACATGGCTTTAGG	N_3'
GGCAGTCTAGCAGAAGAAGAGATAGTAA	O_5'
CTTGTATTGTTGTTGGGTCTTGTAACA	O_3'
CCCATCAGAGGACAAATTAGATGTT	P_5'
CGTGTCCTTACCACCATCTCTTG	P_3'
GCACCACTACTGTGCCTTGGA	Q_5'
TCATGTTATCCCAAATTTCAATTCAG	Q_3'

TGGATGGCTTCTTAGCAATTATCTG	R_5'
AGCGGTGGTAGCTGAAAAGG	R_3'
GGGACTGGAAGGGCTAATTCA	S_5'
TGGTAGACCCACAGATCAAGGA	S_3'
GCATCCGGAGTACTACAAGAACTGAT	T_5'
CCACGCTTCCCTGGAAAGT	T_3'

B. Genomic primers for HIV HXB2 strain (JLAT 8.4).

CCAGGGCCAGGGATCAG	Nuc_0_5'
GCTCAACTGGTACTAGCTTGTAGCA	Nuc_0_3'
AGAAGTGTTAGAGTGGAGGTTTGACA	A_5'
AGCTCTCGGGCCATGTGA	A_3'
ATCTGAGCCTGGGAGCTCTCT	Nuc_1_5'
AGGCAAGCTTTATTGAGGCTTAAG	Nuc_1_3'
CGACTGGTGAGTACGCCAAA	B_5'
CGCACCCATCTCTCTCCTTCT	B_3'
TGGGTAAAAGTAGTAGAAGAGAAGGCTTT	C_5'
GGCTCCTTCTGATAATGCTGAAA	C_3'
GAGCAAGCTTCACAGGAGGTAAA	D_5'
TCTGGGTTTCGCATTTTGG	D_3'
CAGGAGCCGATAGACAAGGAA	E_5'
GGGTCGTTGCCAAAGAGTGA	E_3'
GGCCTGAAAATCCATACAATACT	F_5'
CCAGAAGTCTTGAGTTCTCTTATTAAGTTC	F_3'
GGGACTTACCACACCAGACAAAA	G_5'
GAGTTCATAACCCATCCAAAGGA	G_3'
GAAAACAGGAAAATATGCAAGAATGA	H_5'
TGCACTGCCTCTGTTAATTGTTTTA	H_3'
CAAGCACAACCAGATCAAAGTGA	I_5'
GCCAGATAGACCTTTTCCCTTTTTTATT	I_3'
GCAGGAAGATGGCCAGTAAAAA	J_5'
CCGTAGCACCGGTGAAATTG	J_3'
GCAAGTAGACAGGATGAGGATTAGAA	K_5'
CCCCTAGCTTCCCTGAAACA	K_3'
ATTTTCCTAGGATTTGGCTCCAT	L_5'
GCCCAAGTATCCCATAAGTTTC	L_3'
AAGACAGTGGCAATGAGAGTGAAG	M_5'
CATCAACATCCCAAGGAGCAT	M_3'
GGTAAGGTGCAGAAAGAATATGCA	N_5'
TGGGAATTGGCTCAAAGGAT	N_3'

CAGGGAGAGCATTGTTACAATAGG	O_5'
TGTTCTCTTAATTTGCTAGCTATCTGTTTT	O_3'
CAGACCTGGAGGAGGAGATATGA	P_5'
GGTGCTACTCCTAATGGTTCAATTTT	P_3'
GGAGTGGGACAGAGAAATTAACAATT	Q_5'
GCTGGTTTTGCGATTCTTCAA	Q_3'
GGGTGGGAAGCCCTCAAAT	R_5'
GCACTATTCTTTAGTTCCTGACTCCAA	R_3'
GGGCTAATCACTCCCAAAGAA	S_5'
GGAAGTAGCCTTGTGTGTGGTAGA	S_3'
TGCATCCGGAGTACTTCAAGAA	T_5'
CACGCCTCCCTGGAAAGTC	T_3'

Supplemental Table S3 RT-qPCR primers.

CCTAGTATAACAATGAGACACCAGGG	AS_RT_1 (2944)
CACTCCCAACAAAGACAAGATA	AS_RT_2 (15)
CTCCCATGTAGAATAAAACAAATTA	AS_RT_3 (7431)
TGAGACAACATCTGTTGAGGTGGG	YU2_3161_PRIMER1_F
GGCTGTACTGTCCATTTATCAGGA	YU2_3275_PRIMER1_R
TTGTTCTGCTGTTGCACTA	YU2_7846_PRIMER2_F
AGCTTTGTTCTTGGGTTCT	YU2_7733_PRIMER2_R
CTTCCGCTGGGGACTTTCCAGG	YU2_351_PRIMER3_F
CCAGAGAGACCCAGTACAGGCCAAAAGCAG	YU2_461_PRIMER3_R
GTTTCAGACCCACCTCCCAG	YU2_8333_PRIMER4_F
TGGACCGGATCTGTCTCTGT	YU2_8426_PRIMER4_R
CGGCGACTGAATTGGGTG	TAT_F
CGGCGACTGGAAGAAGCG	NEF_F
GTCTCTCTCTCCACCTTCTTCTTC	TAT_NEF_R
CGCCCTGCCTATCTGTATTC	GUSB_F
TCCCCACAGGGAGTGTGTAG	GUSB_R