

Primer pairs used for MNase experiments Real-time-PCR (RT-PCR) in HeLa-CD4 cell:

p1-F	GATCTGTGGATCTACCACAC
p1-R	GCACCATCCAAAGGTCAGTGG
p2-F	CCTGATTGGCAGAACTACACAC
p2-R	TCTACTTGCTCTGGTTCAACTGG
p3-F	CCTTTGGATGGTGCTTCAAGTTAG
p3-R	ATGCTGGCTCATAGGGTGTAAC3
p4-F	GAGCAAGTAGAAGAGGCCAATG
p4-R	GAAATGCTAGGAGGCTGTCA
p5-F	GAGCCAGCATGGGATGG
p5-R	CTCCGGATGCAGCTCTC
p6-F	CCCGGAGGGAGAAGTATTAGTGT
p6-R	CCCTTGTAGAAAGCTCGATGTCA
p7-F	TGACAGCCTCCTAGCATTTTC
p7-R	CACACCTCCCTGGAAAGTC3
p8-F	TACTACAAAGACTGCTGACATCG
p8-R	TCTGAGGGCTCGCCACTC
p9-F	TCTACAAGGGACTTTCCGCTGG
p9-R	GCTTATATGTAGCATCTGAGGGCT
p10-F	CTTTCCAGGGAGGTGTGGCCT
p10-R	GGTCTAACCAGAGAGACCCAGTA
p11-F	AGTGGCGAGCCCTCAGATG
p11-R	AGCAGTGGGTTCCCTAGTTAGC
p12-F	CCTGTACTGGGTCTCTCTGGTT
p12-R	TTTGAGCACTCAAGGCAAGCTTTA
p13-F	CTGGGAGCTCTCTGGCTAACTA
p12-R	TTACCAGAGTCACACAACAGACG
p14-F	CCACTGCTTAAGCCTCAATAAAGCT
p14-R	TCCACACTGACTAAAAGGGTCTGA
p15-F	AGTGTGTGCCCGTCTGTTGTG
p15-R	CTTTCGCTTTCAAGTCCCTGTTTCG
p16-F	GTGTGGAAAATCTCTAGCAGTG
p16-R	CTTCAGCAAGCCGAGTCC
p17-F	CGAACAGGGACTTGAAAGCGAAA
p17-R	CGTACTCACCAGTCGCCGC
p18-F	GAGATCTCTCGACGCAGGACT
p18-R	CGCACCCATCTCTCTCCTTCTA
p19-F	GCGACTGGTGAGTACGCCAA
p19-R	CCCCTGGCCTTAACCGAATTT
p20-F	GGTGCAGAGCGTCGGTATT
P20-R	GTTCCCTGCTTGCCCATACT

Primer pairs used for MNase experiments RT-PCR in U1 cell:

p1-F GATCTGTGGATCTACCACAC  
p1-R GCACCATCCAAAGGTCAGTGG  
p2-F CCCTGATTGGCAGAACTACACAC  
p2-R CCTTTCTACCTGCCCTGGCT  
p3-F CCTTTGGATGGTGCTTCAAGTTAG  
p3-R ATGCAGGCTCATAGGGTGTAAC  
p4-F GGGCAGGTAGAAAGGGCCA  
p4-R GAAATGCTAGGAGGCTGTCA  
p5-F GAGCCTGCATGGGATGG  
p5-R CTCCGGATGCAGCTCTC  
p6-F TGACAGCCTCCTAGCATTTC  
p6-R CACACCTCCCTGGAAAGTC3  
p7-F TACTACAAAGACTGCTGACATCG  
p7-R TCTGAGGGCTCGCCACTC  
p8-F GGGACTTTCGCTGGGGAC  
p8-R CCCAGTACAGGCAAAAAGCAGC  
p9-F AGTGGCGAGCCCTCAGATG  
p9-R AAGCAGTGGGTTCCCTAGCTA  
p10-F CCTGTACTGGGTCTCTCTGGTT  
p10-R TTGTAGCACTCAAGGCAAGCTTTA  
p11-F CTGGGAGCTCTCTGGCTAGCTA  
p11-R TTACCAGAGTCACACAACAGACG  
p12-F CCACTGCTTAAGCCTCAATAAAGCT  
p12-R TCCACACTGACTAAAAGGGTCTGA  
p13-F AGTGTGTGCCCGTCTGTTGTG  
p12-R CTTTCGCTTTCAGTCCCTGTTTCG  
p14-F GTGTGGAAAATCTCTAGCAGTG  
p14-R C TTCAGCAAGCCGAGTCC  
p15-F CGAACAGGGACTTGAAAGCGAAA  
p15-R TTTGGCGTACTCACCAGTCGC  
p16-F GAGATCTCTCGACGCAGGACT  
p16-R CGCACCCATCTCTCTCCTTCTA  
p17-F GCGACTGGTGAGTACGCCAA  
p17-R CCCCTGGCCTTAACCGAATTT  
p18-F GGTGCGAGAGCGTCGGTATT  
p18-R GTTCCCTGCTTGCCCATACT

Primer pairs used for MNase experiments RT-PCR in ACH2 cell:

p1-F	GATCTGTGGATCTACCACAC
p1-R	GCACCATCCAAAGGTCAGTGG
p2-F	CCCTGATTGGCAGAACTACACAC
p2-R	GGCCTCTTCTACCTTATCTGGCT
p3-F	CCTTTGGATGGTGCTACAAGCTAG
p3-R	ATGCAGGCTCACAGGGTGTAAC
p4-F	GCCAGATAAGGTAGAAGAGGCCAA
p4-R	GCGGCTGTCAAACCTCCACT
p5-F	GTGAGCCTGCATGGAATGGAT
p5-R	CTCCGGATGCAGCTCTC
p6-F	TGACAGCCGCCTAGCATTCA
p6-R	CACGCCTCCCTGGAAAGTC
p7-F	GGAGTACTTCAAGAACTGCTGACA
p7-R	TCTGAGGGCTCGCCACTC
p8-F	GGGACTTCCGCTGGGGAC
p8-R	CCCAGTACAGGCAAAAAGCAGC
p9-F	AGTGGCGAGCCCTCAGATG
p9-R	AGCAGTGGGTTCCTAGTTAGC
p10-F	CCTGTACTGGGTCTCTCTGGTT
p10-R	TTGAAGCACTCAAGGCAAGCTTTA
p11-F	GCTGGGAGTTCTCTGGCTAACTA
p11-R	CAGAGTCATAACAACAGACGGGCA
p12-F	CCACTGCTTAAGCCTCAATAAAGCT
p12-R	TCCACACTGACTAAAAGGGTCTGA
p13-F	AGTGTGTGCCCGTCTGTTGTA
p12-R	CTTTCGCTTTCAGGTCCCTGTTC
p14-F	GTGTGGAAAATCTCTAGCAGTG
p14-R	CTTCAGCAAGCCGAGTCC
p15-F	CGAACAGGGACCTGAAAGCGAA
p15-R	TTTGGCGTACTCACCAGTCGC
p16-F	GAGCTCTCTCGACGCAGGACT
p16-R	CGCACCCATCTCTCTCCTTCTA
p17-F	GCGACTGGTGAGTACGCCAA
p17-R	CCCCTGGCCTTAACCGAATTT
p18-F	GGTGCAGAGCGTCAGTATT
p18-R	GCTCCCTGCTTGCCCACT

Primer pairs used for RNAPII ChIP experiments RT-PCR in HeLa-CD4 cell:

p1-F CCCTGATTGGCAGAACTACACAC  
p1-R TCTACCTTATCTGGCTCAACTGGT  
p2-F GAGCCTGCATGGAATGGATGA  
p2-R GAAGTACTCCGGATGCAGCTCT  
p3-F GCTACAAGGGACTTTCCGCT  
p3-R GCTTATATGCAGCATCTGAGGGCT  
p4-F GGACTTTCCAGGGAGGCGT  
p4-R GGTCTAACCAGAGAGACCCAGTA  
p5-F AGTGGCGAGCCCTCAGATG  
p5-R AGCAGTGGGTTCCCTAGTTAGC  
p6-F CCTGTACTGGGTCTCTCTGGTT  
p6-R TTTGAGCACTCAAGGCAAGCTTTA  
p7-F TCTCTGGCTAACTAGGGAACC  
p7-R AAAGGGTCTGAGGGATCTCTAG  
p8-F AGTGTGTGCCCGTCTGTTGTG  
p8-R CTTTCGCTTTCAAGTCCCTGTTCG  
p9-F CGAACAGGGACTTGAAAGCGAAA  
p9-R CGTACTCACCAGTCGCCGC  
p10-F GCGACTGGTGAGTACGCCAA  
p10-R CCCCTGGCCTTAACCGAATTT  
p11-F GCAGTCCTCTATTGTGTGCATCAA  
p11-R CCTGTGTCAGCTGCTGCTTG  
p12-F CCATCAATGAGGAAGCTGCAGAA  
p12-R GGTGGATTATGTGTCATCCATCCT  
p13-F TTCTTCAGAGCAGACCAGAGC  
p12-R GCTGCCAAAGAGTGATCTGA  
p14-F CAGAAATACAGAAGCAGGGGCAA  
p14-R GTGTGGGCACCCTTCATTCTT  
p15-F ACTTACGGGGATACTTGGGCAG  
p15-R CTCCATTTCTTGCTCTCCTCTGTC  
p16-F TTGCTCAATGCCACAGCCAT  
p16-R TTTGACCACTTGCCACCCAT

Primer pairs used for RNAPII ChIP experiments RT-PCR in U1 cell:

p1-F CCCTGATTGGCAGAACTACACAC  
p1-R CCTTTCTACCTGCCCTGGCT  
p2-F GAGCCTGCATGGGATGG  
p2-R CTCCGGATGCAGCTCTC  
p3-F TCTACAAGGGACTTTCCGCTGG

p3-R GCTTATATGTAGCATCTGAGGGCT  
 p4-F CTTTCCAGGGAGGTGTGGCCT  
 p4-R GGTCTAACCAGAGAGACCCAGTA  
 p5-F AGTGGCGAGCCCTCAGATG  
 p5-R AAGCAGTGGGTTCCTAGCTA  
 p6-F CCTGTACTGGGTCTCTCTGGTT  
 p6-R TTGTAGCACTCAAGGCAAGCTTTA  
 p7-F CTGGGAGCTCTCTGGCTAGCTA  
 p7-R TTACCAGAGTCACACAACAGACG  
 p8-F AGTGTGTGCCCGTCTGTTGTG  
 p8-R CTTTCGCTTTCAAGTCCCTGTTTCG  
 p9-F CGAACAGGGACTTGAAAGCGAAA  
 p9-R TTTGGCGTACTCACCAGTCGC  
 p10-F GCGACTGGTGAGTACGCCAA  
 p10-R CCCCTGGCCTTAACCGAATTT  
 p11-F GCAGTCCTCTATTGTGTGCATCAA  
 p11-R CCTGTGTCAGCTGCTGCTTG  
 p12-F CCATCAATGAGGAAGCTGCAGAA  
 p12-R GGTGGATTATGTGTCATCCATCCT  
 p13-F TTCTTCAGAGCAGACCAGAGC  
 p12-R GCTGCCAAAGAGTGATCTGA  
 p14-F CAGAAATACAGAAGCAGGGGCAA  
 p14-R GTGTGGGCACCCTTCATTCTT  
 p15-F ACTTACGGGGATACTTGGGCAG  
 p15-R CTCCATTTCTTGCTCTCCTCTGTC

Primer pairs used for RNAPII ChIP experiments RT-PCR in ACH2 cell:

p1-F CCCTGATTGGCAGAACTACACAC  
 p1-R GGCTCTTCTACCTTATCTGGCT  
 p2-F GTGAGCCTGCATGGAATGGAT  
 p2-R CTCCGGATGCAGCTCTC  
 p3-F TCTACAAGGGACTTTCCGCTGG  
 p3-R GCTTATATGTAGCATCTGAGGGCT  
 p4-F CTTTCCAGGGAGGTGTGGCCT  
 p4-R GGTCTAACCAGAGAGACCCAGTA  
 p5-F AGTGGCGAGCCCTCAGATG  
 p5-R AGCAGTGGGTTCCTAGTTAGC  
 p6-F CCTGTACTGGGTCTCTCTGGTT  
 p6-R TTGAAGCACTCAAGGCAAGCTTTA  
 p7-F GCTGGGAGTTCTCTGGCTAACTA

p7-R CAGAGTCATACAACAGACGGGCA  
 p8-F AGTGTGTGCCCGTCTGTTGTA  
 p8-R CTTTCGCTTTTCAGGTCCCTGTTC  
 p9-F CGAACAGGGACCTGAAAGCGAA  
 p9-R TTTGGCGTACTCACCAGTCGC  
 p10-F GCGACTGGTGAGTACGCCAA  
 p10-R CCCCTGGCCTTAACCGAATTT  
 p11-F GCAGTCCTCTATTGTGTGCATCAA  
 p11-R CCTGTGTCAGCTGCTGCTTG  
 p12-F CCATCAATGAGGAAGCTGCAGAA  
 p12-R GGTGGATTATGTGTCATCCATCCT  
 p13-F TTCTTCAGAGCAGACCAGAGC  
 p12-R GCTGCCAAAGAGTGATCTGA  
 p14-F CAGAAATACAGAAGCAGGGGCAA  
 p14-R GTGTGGGCACCCTTCATTCTT  
 p15-F ACTTACGGGGATACTTGGGCAG  
 p15-R CTCCATTTCTTGCTCTCCTCTGTC  
 p16-F TTGCTCAATGCCACAGCCAT  
 p16-R TTTGACCACTTGCCACCCAT

Primer pairs used for Histone and BAF ChIP experiments RT-PCR in Hela-CD4 and OM10.1 cell:

Nuc-0-F CCTGATTGGCAGAACTACACAC  
 Nuc-0-R TCTACTTGCTCTGGTTCAACTGG  
 DHS-1-F TGACAGCCTCCTAGCATTTC  
 DHS-1-R CACACCTCCCTGGAAAGTC3  
 Nuc-1-F CTGGGAGCTCTCTGGCTAACTA  
 Nuc-1-R TTACCAGAGTCACACAACAGACG  
 DHS-2-F GAAAGCGAAAGTAAAGCCAGAGGA  
 DHS-2-R TTTGGCGTACTCACCAGTCGC  
 Nuc-2-F GCGACTGGTGAGTACGCCAA  
 Nuc-2-R CCCCTGGCCTTAACCGAATTT

Primer pairs used for Histone and BAF ChIP experiments RT-PCR in U1 cell:

Nuc-0-F CCCTGATTGGCAGAACTACACAC  
 Nuc-0-R CCTTTCTACCTGCCCTGGCT  
 DHS-1-F TGACAGCCTCCTAGCATTTC  
 DHS-1-R CACACCTCCCTGGAAAGTC3  
 Nuc-1-F CTGGGAGCTCTCTGGCTAGCTA  
 Nuc-1-R TTACCAGAGTCACACAACAGACG  
 DHS-2-F CGAACAGGGACTTGAAAGCGAAA  
 DHS-2-R TTTGGCGTACTCACCAGTCGC

Nuc-2-F GCGACTGGTGAGTACGCCAA  
Nuc-2-R CCCCTGGCCTTAACCGAATTT

Primer pairs used for Histone and BAF ChIP experiments RT-PCR in ACH2 cell:

Nuc-0-F CCCTGATTGGCAGAACTACACAC  
Nuc-0-R GGCCTCTTCTACCTTATCTGGCT  
DHS-1-F TGACAGCCGCCTAGCATTTCA  
DHS-1-R CACGCCTCCCTGGAAAGTC  
Nuc-1-F GCTGGGAGTTCTCTGGCTAACTA  
Nuc-1-R CAGAGTCATAACAACAGACGGGCA  
DHS-2-F GTGTGGAAAATCTCTAGCAGTG  
DHS-2-R CTTCAAGCAAGCCGAGTCC  
Nuc-2-F GAGCTCTCTCGACGCAGGACT  
Nuc-2-R CGCACCCATCTCTCTCCTTCTA

Control primer pairs used for Histone and BAF ChIP experiments RT-PCR:

GAPDH-F GGACCTGACCTGCCGTCTAGAA  
GAPDH-R GGTGTCGCTGTTGAAGTCAGAG  
RPL-10-F ACCCGTCTTCGACAGGACT  
RPL-10-R GGAACGGAAGACGAGAACAG

Primer pairs used for mRNA and Alu-PCR analysis:

HIV-mRNA-F TTGCTCAATGCCACAGCCAT  
HIV-mRNA-R TTTGACCACTTGCCACCCAT  
GAPDH-mRNA-F CAACAGCCTCAAGATCATCAGCA  
GAPDH-mRNA-R AGGGATGACCTTGCCCACAGCCTTGG  
TBP2-mRNA-F TGTGTGAAGTTACTCGTGTCAAA  
TBP2-mRNA-R GCAGGTACTCCGAAGTCTGT  
IL-1b-mRNA-F GTGGCAATGAGGATGACTTGTTTC  
IL-1b-mRNA-R TAGTGGTGGTCGGAGATTCGTA  
Alu1-F TCCCAGCTACTGGGGAGGCTGAGG  
Gag-R CCTGTGTCAGCTGCTGCTTG  
HIV-gag-F GGCTAACTAGGGAACCCACTG  
HIV-gag-R CTGCTAGAGATTTTCCACACTGAC