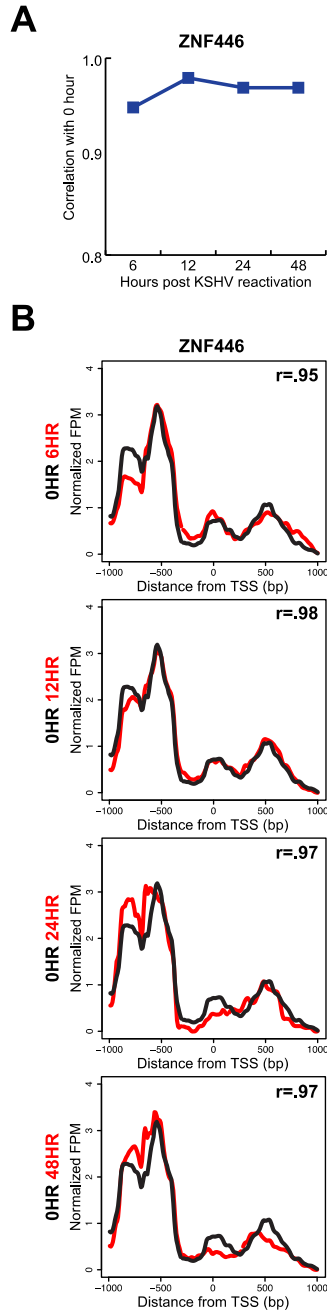
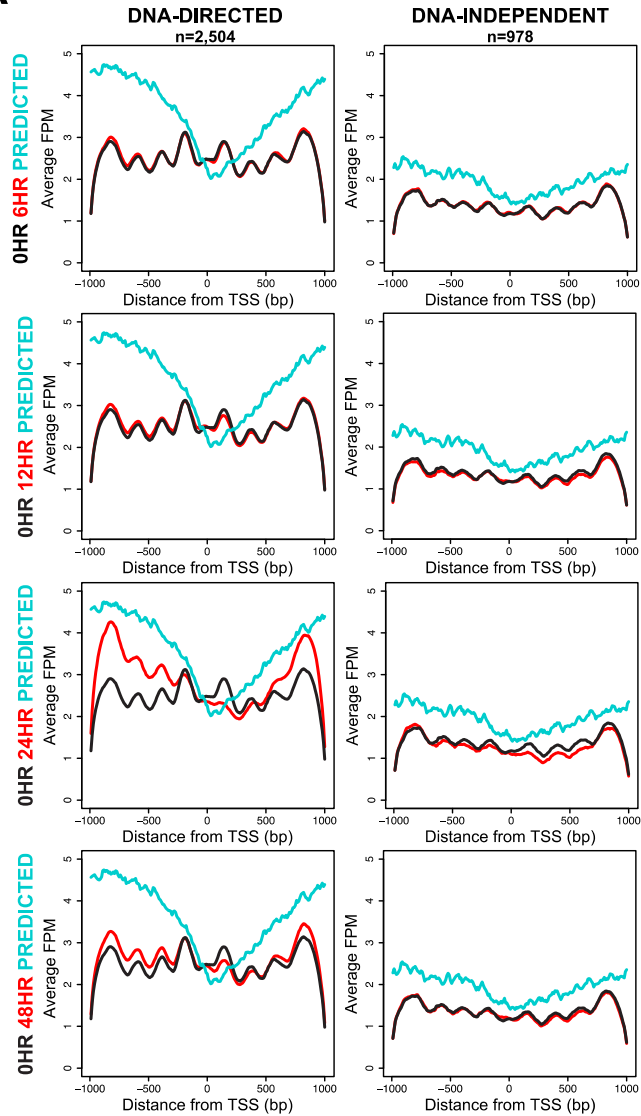


Hierarchical regulation of the genome: global changes in nucleosome organization potentiate genome response

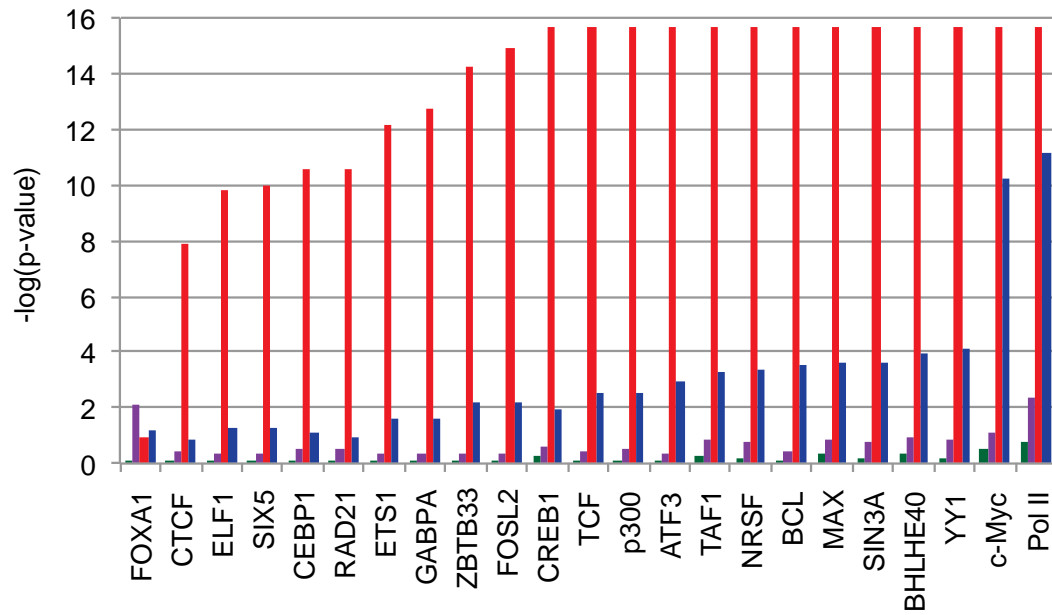
Supplementary Material



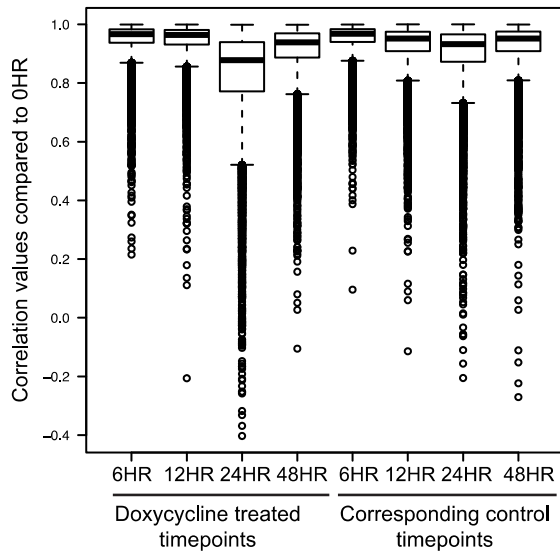
Supp. Fig. 1. (A) The correlation values between 0 hours and the reactivated state's timepoints nucleosome distribution for ZNF446. (B) The nucleosome distributions of the latent (black line) and reactivated KSHV time points (red lines) for ZNF446. The x-axis represents genomic position showing two kb centered on a TSS. The y-axis is the normalized reads per million.

A

Supp. Fig. 2. Average plots for the 2kb surrounding the TSSs of the genes identified as DNA-directed (n=2,504) and DNA-independent (n=978) for 0 hour (black line), reactivated timepoints (red lines), and predicted (cyan line). The y-axis is the average midpoints per million, and the x-axis is the 2kb surrounding the TSSs of all genes classified as DNA-directed and DNA-independent.



Supp. Fig. 3. -log of the p-values for the subnucleosomal fragments at A549 regulatory factor binding sites (2011) for 6, 12, 24, and 48 hour timepoints (green, purple, red, and blue respectively) compared to 0 hours.



Supp. Fig. 4. Boxplot of correlation values for each TSS between iSLK.219 0 hour and iSLK.219 cell line 6, 12, 24, an 48 hours post doxycycline treatment and control iSLK .219 cell line corresponding timepoints. The y-axis is correlation values of the sample with iSLK.219 0 hour.

Supp. Table 1

Supp. Table 1. Loci classified with changes in nucleosome distributions, DNA-directed, and DNA-independent at 24 hour timepoint.

LOCI WITH NUCLEOSOME REDISTRIBUTIONS AT 24 HR TIMEPOINT	
DNA-Directed loci	DNA-independent loci
PUS10	NDUFA7
CSTF3	EXO5
ZKSCAN3	MAGEA1
KRTAP19-3	CCDC176
MRPL33	B3GNTL1
OR56B4	FAM205A
AP2B1	AKR7L
KRT10	NID2
MITD1	P2RY12
CSTF3-AS1	KIAA1984
VTA1	LINC00922
MRPL30	FAM46D
NUP35	SNORD116-16
THADA	BANF2
OR14J1	PLAT
OR5L2	POSTN
ITPK1-AS1	LAIR2
PCDHB7	CHRM2
CDKL3	MIR376A1
DGUOK	LDLRAD3
IL22	CHAD
CHMP2B	HSD17B13
MIR520C	ADIG
SPC25	C9orf57
EDC3	GBP7
CCDC172	ZFYVE16
OR56A1	LOC388948
BEND3P3	GRID2
MIR3194	GABPB1
OR5L1	FLJ42627
HELB	MIR2392

TTC14	MCM2
CLDN10-AS1	CCR5
APTX	WTAPP1
LCE4A	SHPRH
PEX13	ARHGAP18
MAGED2	SRD5A3
MAGEB3	TNFRSF11B
ZBTB41	DEFB105A
TCEANC	LOC728819
LINC00189	SNORD115-2
OXNAD1	HCAR1
SPIN2B	CYP2C8
ZUFSP	LGALS9B
VTRNA1-1	LOC100506343
GLIS3-AS1	RXFP1
LOC100288198	MRPL20
CLEC4D	CASP8
NUDT15	GPR50
LOC100133957	ITLN1
ERLIN2	IFT122
COLQ	HPYR1
PTTG3P	EVI2A
LINC00242	URB2
SNORD116-29	ACE2
FAM170B-AS1	REC8
SGOL2	LHX8
SMARCAL1	HIST1H2BO
FAM71C	SLC44A5
OR4K1	SMAD6
KRTAP13-2	CASR
OR2AK2	PRAC
ZNF268	LHFPL1
MRPL17	ABCB5
MRPS36	MAPT-IT1
C9orf3	CFI
BMP10	GAD2
GLIPR1L1	HCG17
UXT	LOC388849
OR51M1	BHLHE41
TMEM67	OR6C6
ZNF138	CYP19A1

LOC100616530	GLP2R
OR10T2	SNORD115-14
POLR3A	LOC154449
ANKRD49	MIR1203
TMEM230	HIST1H2AM
LOC151171	C11orf80
OR5AR1	CLSPN
CDK15	PKIB
C18orf54	MIR5705
OR2M4	SRMS
ETS1	ZNF607
RBM12B-AS1	SLC24A2
DBIL5P2	SLC35G5
OR10K1	LOC100505835
CCT4	MIR1184-3
TTK	SSR4P1
ZNF784	SRXN1
GPR52	GEMIN7
KRTAP19-5	MIR767
CLVS1	MIR380
CA5BP1	PSKH2
SPZ1	MAPT-AS1
OR52N4	IL1RN
SNORD50B	CARD6
LINC00888	MBD4
MRPL44	MIR3909
TMPRSS3	ABLIM3
MRE11A	RCAN2
MMP13	SNORA59B
SLC7A11	LINC00442
MIR548H3	TTC1
RWDD1	GREB1
KRTAP1-1	MIR3200
MIR4465	RPL23AP82
VPS41	CNR2
KIF18A	RNU6-28P
ADH7	LOC401134
OR8H3	SLAMF9
PCDHB5	MIR4524A
UTP6	MIR19B2
CXorf61	TUBGCP5

LAMA4	NBEA
DHRS7B	HAR1A
MIR5581	SEC14L6
SYNPO2	MIR4524B
CYSLTR2	ASPDH
FILIP1L	CLEC4A
NDUFAF4P1	SHC2
LINC00467	ASPRV1
ZNF780A	TBC1D3P5
MIR4795	PLAC8L1
OAS1	DDX25
RNF20	GLIS2
KRTAP7-1	PWP2
YY2	OBP2B
SPTLC1	FOXF1
MORF4L2	MIR503
CEPT1	ATP2B3
MIR3157	ADAM1A
ZBTB6	TAS2R16
GDAP1	PHB
MIR4781	NAGA
DEFB126	DBR1
HMG3	SULT1A2
TMEM232	SCN11A
PNPLA8	KRTAP1-4
ZNF431	ST18
MORC2	PRL
FAM124B	EGFLAM-AS4
YIPF6	KLK9
ALG10	PPP1R1B
C5orf51	TRIM56
HIST4H4	SLC26A5
LINC00636	PCYT1B
IPO4	MIR1178
SULF1	TWIST1
FAM127C	PIN4P1
MED23	LOC100506422
CSTF2	GK2
ADAT1	SCARNA3
SULT6B1	FIS1
ACY3	LOC100506233

METTL2B	LOC100505768
METTL15	LINC00898
TMA16	PLIN5
OR13C3	IL20
WDR70	GGT8P
DPH3	UBL3
MIR4633	NAPSA
RANBP6	SERPINF2
SLC22A24	HIF1AN
OR8A1	TMEM194B
KLB	SNORD115-24
ZSCAN5A	MIR300
SLC7A9	FAM83G
HIST1H1D	C4orf26
HARS2	CISH
NDUFS4	SLX4IP
MIR4255	ING2
SNORD116-26	APOL2
OR5P2	AADAC
OR2G3	MIR507
MTFR2	GPT
LYZL2	ZNF445
ANXA2P3	TRAK1
ZSCAN12	SLC13A2
CCDC132	ZNF610
LUM	RNU6-76P
TXNRD3NB	ABCA6
FANCD2	MIR125B2
HARS	MT1F
LOC401320	MIR487B
ABCC5-AS1	CLEC11A
LDHA	LOC157273
PAK1IP1	WDR64
CCR8	OR2H1
GSTTP1	ESRRG
DNAJC2	MIR502
SFI1	MIR501
LINC00202-1	LOC100506124
BASP1P1	RPS28
LINC00864	MIR1264
MMP1	CA14

KLHL41	PDPR
ART3	TMEM52B
INTU	LOC100506123
MYBPC1	SLC32A1
PEX11A	MUC5B
NDUFA5	MIR363
C12orf4	GZMM
TSNAX	ZNF497
OR8H2	FLJ23867
LEMD3	SNORD116-2
MC2R	C16orf98
ST6GALNAC5	OR2A7
KRTAP21-2	ABHD4
CDH12	SNORD88C
LRP2BP	DDO
HCCAT5	HIST1H2BM
LIPT1	MRPL3
WDR93	TMEM174
SEC24C	CHST5
LOC100130298	GPR84
KIFAP3	PADI6
PAPD4	CA10
PYROXD1	SNORA29
IARS	MARCKS
ANKRD30BP2	MGC27345
METTL2A	SH2B2
KRTAP6-3	SNORD115-35
NUP43	MIR5688
PRPS1L1	ZNF733P
UNC13C	KIAA1211
BTBD8	ZNF534
GTPBP8	MAP3K14
IFT74	SMCR7L
GPR15	SNORD114-12
DNAJB13	GPR148
ZNF780B	ASB2
OR4L1	C8orf4
RAB3GAP2	GBP4
DYNC2H1	ACTRT2
COX15	CDRT15
KIAA0101	TOPAZ1

RBM41	OR51G1
RPL39L	LOC400940
CCDC181	USP6
ZNF92	RACGAP1P
ZNF714	ARHGDIB
ENTPD1-AS1	TIMD4
GFM1	VSTM2A
SATB1	ELFN2
LLPH	HAGHL
MNAT1	ZNF540
ELP3	TFPI
LOC145474	SNORA70B
MIR1284	MIR561
TRIM55	TCP10L2
NALCN-AS1	MIR1324
ANO4	RAB3C
FAM172A	C1QC
SNORD115-1	CLCA4
CLDN16	SCG5
ARMCX1	MIR1245A
REG1A	MIR5685
TCEANC2	S100A7A
BET1	IMPG2
PTTG1	LOC643441
OR1D2	MIR1245B
RAB5A	IFIT1B
SLC30A6	C21orf15
POLR3B	TMPRSS11GP
DLGAP5	SECISBP2
PHOSPHO2	LAX1
MYNN	NOP56
ALG10B	LOC100507362
CCDC173	LINC00838
YAE1D1	SNORD115-44
HIST2H3D	CLECL1
SLAMF7	SLC22A31
MMRN1	MIR944
DSPP	MIR4746
SNRPD2P2	SCGN
HIST1H2AA	ADCY10
MIR892B	DEFT1P

OR52K1	DYRK4
TAS2R7	MIR604
BANK1	TENM1
OR56A5	LOC391322
N6AMT1	C7orf61
LSM5	LOC200772
OXCT1	EOGT
AGBL3	CENPQ
ZNF608	CCDC135
CLUL1	C15orf62
HLA-DQB1	MUC6
SIPA1L1	MUT
IL18R1	FKBP1A
DEFB132	MIR1260A
PCDHB11	MMP11
DZANK1	SCN7A
HTATSF1P2	MYBL2
PCDHB18	CACNA1A
H2AFJ	GAL3ST1
THNSL2	CDSN
ANKRD22	SLC6A14
SZRD1	MIR4423
TRMT10A	SMIM4
COA1	MIR626
RBM7	TRIM5
RNASEL	COX6B1
MIR548AU	BEAN1
ZHX3	R3HDML
TSGA10	SNORD45A
SMYD1	FAM175A
ASB18	LINC00523
OR4N4	SNORA20
DPY30	FLJ10038
LOC286186	NOG
C2orf44	FAM81B
LRIF1	ZNF736
EMCN-IT3	MIR487A
NSUN6	KRTAP12-4
TAAR5	NCF1C
DDX58	CD79B
MIR3913-2	SUMO3

IGSF10	FGB
POLA1	TDRP
MTTP	ERCC6L2
KRTAP26-1	SNORD53
ZNF573	SNORD115-9
CD247	NT5DC2
TRDN	FLJ14107
MMS22L	MGARP
MPZL3	LINC00330
OR4N2	SNORA6
ZNF23	IFNK
ZMPSTE24	MOB2
MIR423	MIRLET7A3
EIF2S3	LOC283177
PTER	SLC5A1
TTR	MIR1238
ALOXE3	TMEM132B
OR10X1	LOC100144595
ZNF85	SPINK4
SMLR1	HELT
LARP4	MUC12
OR5A1	PCK1
CRB1	FAM90A2P
OR12D2	SNORD113-9
TCEAL8	TMEM176A
OR4C12	PRDM14
FAM5C	MIR4480
TMEM71	TCTN2
OR5AS1	COL18A1
FAM186B	MIR192
FAM229B	SYNJ2BP-COX16
OR52J3	FM09P
SNORD89	MIR92A2
FNDC7	NEDD4
UMPS	FLJ44511
COMMD9	MTFR1
HMSD	TSHB
LINC00264	TAS2R50
RPL26	MIR548I4
ABCA12	MIR4663
MIR659	C2orf48

EID1	BVES
PEX2	RASD1
PDCD10	LOC401321
ZNF45	OR2A4
MIR4644	ITIH3
CCT8	NXPH1
LOC100506035	LOC100288255
MIR3184	CHGB
METTL25	CRISPLD2
KIAA1731	UGT2B10
THAP6	AIPL1
RNASEH2B	CCL13
ARSJ	LOC648691
TUBE1	TXK
SNAR-I	MIR4283-1
CCDC59	BTBD19
OR2J3	TMEM52
VTRNA1-3	SPINK9
KCNT2	MIR328
NOP16	UGT2B28
OR10R2	ZNF705B
RAB11A	HTR4
IRAK1BP1	C11orf94
DCAF13	SNORD116-5
EXOSC8	SNORD127
PARP11	MIR4294
OR4E2	OR2A5
HBB	EVL
SSX8	NPR3
SNORD116-25	FASTKD1
SMEK3P	PTGDS
MIR5702	SNORD115-17
CSRNP3	FAM179A
C15orf43	C10orf54
OR2T10	SNORD115-8
BNIP1	MIR4284
OR52I1	MIR3196
GHRL	ZNF83
RCHY1	TFF2
FAT3	ZNF556
ARL6	SUSD2

GIMAP4	ZNF688
SLC4A10	HAND2
UTP14A	LOC100128176
KRTAP8-1	ICAM5
MIR184	HR
OR4N3P	SNORD115-6
SREK1IP1	SGK223
THEM4	TIGIT
TRAFD1	ANAPC11
KRTAP13-3	TMEM176B
BRIP1	MMP23B
ZKSCAN8	CABP2
KDM5C	RASSF2
METTL14	PRDM16
TRIQK	LOC100128770
TPTE2P6	USP50
ACTBL2	SH3TC1
PPEF2	SEZ6L
SRP19	TMEM86B
C7orf71	CDRT15P1
LOC100270804	SYT17
MIR3913-1	DUOXA1
HIGD2A	LOC100131825
GNL2	CTSO
GPM6B	NCF2
KRTAP6-1	PRAME
ACTRT1	PARD6G-AS1
CAPNS2	NLGN2
TGOLN2	TTI1
COL5A2	LOC100505478
ZNF486	TP53AIP1
HIST1H3I	MIR3074
OR2L13	CPXCR1
RNF111	TEX21P
SRSF11	MIR378E
RPA4	CPLX1
TMPRSS11F	SNORD10
CABS1	MBD3L1
OSCAR	SNORD116-8
PTHLH	TRPV5
MUC15	RIPPLY1

SDHD	DNAH12
LYVE1	MIDN
TRIM26	HTRA4
OCIAD1	MLC1
CD4	NR5A2
WDR36	SNORD115-15
ZNF541	CPT1B
MIR215	CYBA
ZNF546	SNORD35B
CAT	BTBD6
FYCO1	KIF4A
C15orf37	SFTA2
SEC23B	GDPD3
FAM114A2	PAX5
THSD4	ZNF415
IFNA6	SGCA
SLC25A19	ANKRD24
LRRC40	DEFB1
RFTN2	TPSD1
MIR197	KCNAB2
OR9G9	RPP25
CENPW	H19
CDH26	MIR5003
OR4M2	OR2G6
TNFSF13B	C5orf38
DCAF4L1	C9orf89
CHCHD5	MIR424
GPR111	SRRM5
OR10A5	OLIG3
MIR32	MIR196A1
RACGAP1	SNORD113-7
MIR4473	MIR4739
NXF5	SLC7A5P1
OR1J4	ADRA1A
ERAL1	MIR1-1
BBS10	FGL1
KRT84	ZNF625
KCNAB1-AS2	ZNF735
MIR4650-2	SNORD110
MFAP3	GOLGA2P5
TMEM18	RDH12

SKA1	FASN
RPL5	MIR4289
MIR933	TAS1R3
RPSA	EDDM3B
OR2A25	SNORD19
LINC00616	FAM212B
TIMM8B	LINC00398
MMP26	LINC00899
LRG1	SULT4A1
TNN	ARHGAP35
AVPR1A	DLX6
IQCF3	SNORD116-13
KRTAP23-1	PIAS4
ZSWIM2	MIR514B
FXR1	IL2RG
POU6F2-AS1	CALCA
POLR1B	LRRN4CL
LOC100128993	FUT7
ARHGAP15	GALNT8
ZNF562	CYP2D7P1
SPOCD1	SOX3
HAVCR1P1	CHKB-AS1
ILVBL	LOC100129083
LYZL1	TMEM240
EFCAB3	KRT14
AGBL2	RGS8
OR5K4	AUTS2
KRTAP13-1	SNORD115-39
MIR1913	OAF
ZRANB1	MBL2
TRIM69	MIR656
POTEE	LOC100129055
SNORA13	SEMA3G
EBLN2	PAQR5
ESF1	HOXB-AS1
STX7	TACC1
KPNA2	ZAP70
TPI1P3	ABCD1
BTNL8	FAM181A-AS1
TRMT5	DUOX1
POLR3F	DEFB106A

CWC27	PDE10A
RGS12	MKNK2
NDUF5F5	MIR4690
TIMELESS	SNORD115-17
NUFIP2	MIR591
CLDN25	GSTM5
HRNR	OR5C1
LUZP6	TIMP1
LINC00113	TCFL5
FAM83A-AS1	DEFB106A
TMC3	MIR876
ZNF155	FAM171A2
OR4D11	MIR4535
PKD1L3	DEFB107A
MIR3151	GPR153
MIR551B	SLC13A5
LOC150568	FBXL16
CHAC2	UBE2QL1
ST5	MIR651
SLCO1A2	SPATA31D5P
C2orf42	KLHDC7B
RNLS	LOC283332
LOC100507244	ZNF813
SPATA6L	PSG4
CCNB3	MIR208A
MAP3K19	C1orf140
KRTAP4-12	MIR4706
KRT39	SERPINA13P
C2orf49	HOXD3
ZNF33B	LOC100132078
CYP2G1P	TAF6L
MIR4263	MIR1236
OR10A4	TUSC7
MIR3666	MIR4646
C1orf116	CEND1
LOC154872	MIR4292
AICDA	CLEC12A
ADH1C	E2F7
SERPINB8	SNORD115-22
EXTL2	CHKB
LOC727982	SOHLH1

GTPBP10	TMEM257
FAM106CP	LINC00112
RBM34	PUSL1
OR4F6	IL19
OR5B2	RFPL1
TCEAL3	LOC100507300
MPHOSPH10	MIR589
FAM227B	VRTN
LOC100506844	CLCNKA
MMP7	DGKK
CSRP2BP	MIR4684
SOGA3	POTEM
IL9	A1BG
SCML4	OR5AN1
PPIG	CAV3
ASH1L-AS1	FAM133B
TOR1AIP2	ALDH1L1-AS1
TOR1AIP2	ABHD6
OR4K13	SNORD115-25
PCNAP1	GALP
SCFD2	MIR431
HIST1H4K	OR11H1
DSG3	LIME1
N4BP2L2-IT2	FOXN3-AS2
ZCCHC4	LINC00163
IL15	FZD10-AS1
LINC00570	LOC151484
CDKN3	BFAR
SDF2	PEX10
MCEE	SERPINA11
LOC340515	SNORD115-31
MRPS15	LINC00951
TECTB	MIR324
SERP1	OR2AP1
TGFBR2	CD1E
PTGS2	MIR432
OR1Q1	TRIP6
NSUN3	LINC00890
RAD9B	TBC1D9B
ZNF620	TMPRSS4-AS1
LOC81691	SNORA51

ASAH2	LOC400620
LOC100506025	P2RX1
ZNF718	ASS1
MIR490	MIR4763
ADAM20	PPDPF
SNRNP27	NCDN
A4GNT	ZNF284
MLF1	MIR33B
PRPF38B	GPC3
TMED11P	CALHM1
TAGAP	BDH1
FGG	ITGAL
URM1	FAM95A
PSME3	PTH
MIR3910-1	SNORD23
HSD11B1	MIR1179
ITGAD	SYNPO
RBM19	PRAMEF22
ADAM21	ADAMTSL5
GZF1	GLRA4
C11orf71	CBX6
NAA20	TMEM53
EXOSC3	SEPT5-GP1BB
LINC00929	C22orf42
SUPT6H	WISP2
FER1L6-AS1	SNORD115-10
MIR3136	MRPL1
SCYL2	DTX2P1-UPK3BP1- PMS2P11
MIR4716	SFTPD
MIR504	SPERT
STAT2	LOC339240
DSE	FAM160A2
IL17A	MIR4710
UBR2	MIR4451
CHURC1-FNTB	GNAT2
NAP1L2	PPM1A
PNO1	TEKT4
CLEC5A	SNORD116-12
RBM26-AS1	MIR939
HARBI1	PCSK2

PPP1R8	SIGLEC12
OR4K14	TLE3
DEFA10P	LGALS16
LRRIQ3	SSTR5-AS1
STAR	PRSS22
IGBP1	LOC284688
CD3E	BTN3A1
USH2A	SLFNL1
MIR4650-1	VSTM2B
VPS29	ZBTB32
OXR1	WNT2
FOXR2	IGFALS
MIR548B	SNORD115-40
SLC38A6	HOXA6
OR56B1	MIR4745
FPGT-TNNI3K	METTL12
TEPP	RPS13
TTC5	C9orf62
TSPYL1	RPRD1B
C7	LOC286083
OR8U8	HCN2
KIF2C	MYCN
ABCB1	ITM2C
OR4C11	TMTC1
MANEA	MEGF6
LOC100506085	SNORD62A
PRAMEF12	PPEF1
DIEXF	MAGED1
KIAA1429	FGFR3
PCDHB9	IZUMO4
PSMD10	OVOL1
OR6C76	NKX6-2
MIR4317	RESP18
MOCS2	FEZF1
GPX5	KCNT1
AMY2A	C1orf228
KITLG	CNKSR1
RAD51AP2	WNT6
OR51L1	TDO2
DKFZp434L192	LOC100288123
RAD51AP1	CST4

C14orf178	TREX2
LINC00493	OR8K3
HMG4	DCAF12
ART4	MIR375
STK11IP	ACSM2B
MEIS1	C11orf34
CCT2	PRR13
OR2A2	SNORD115-11
NUDT6	PSMD5
MYADML	SPOCK1
SNORD54	MIR4313
SNORD116-3	RPUSD1
WDR52-AS1	MAMDC4
KIAA1009	LRFN4
MASP1	LOC100128593
MSL3P1	HGFAC
SDAD1	CTAG2
ATG4A	MOB3A
LOC100130849	MGC12916
DSG1	TUBB2B
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SNORD30	
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STH	
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CDH19	
FABP2	
RSPO2	
SLC47A2	
SNORD97	
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SIRPD	
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KRTAP20-3	
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SNORD115-32	

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Supp. Table 2. The 23 ENCODE datasets used for regulatory factor binding sites in Figure 6 and Supp. Fig. 3 (2011).

Regulatory factor	ENCODE dataset
ATF3	wgEncodeAwgTfbsHaibA549Atf3V0422111Etoh02UniPk.narrowPeak
BCL3	wgEncodeAwgTfbsHaibA549Bcl3V0422111Etoh02UniPk.narrowPeak
BHLHE40	wgEncodeAwgTfbsSydhA549Bhlhe40IggrabUniPk.narrowPeak
c-Myc	wgEncodeSydhTfbsA549CmyclggrabPk.narrowPeak
CEBP1	wgEncodeSydhTfbsA549CebpblggrabPk.narrowPeak
CREB1	wgEncodeAwgTfbsHaibA549Creb1sc240V0416102Dex100nmUniPk.narrowPeak
CTCF	wgEncodeAwgTfbsHaibA549Ctcfsc5916Pcr1xEtoh02UniPk.narrowPeak
ELF1	wgEncodeAwgTfbsHaibA549Elf1V0422111Etoh02UniPk.narrowPeak
ETS1	wgEncodeAwgTfbsHaibA549Ets1V0422111Etoh02UniPk.narrowPeak
FOSL2	wgEncodeAwgTfbsHaibA549Fosl2V0422111Etoh02UniPk.narrowPeak
FOXA1	wgEncodeAwgTfbsHaibA549Foxa1V0416102Dex100nmUniPk.narrowPeak
GABPA	wgEncodeAwgTfbsHaibA549Gabpv0422111Etoh02UniPk.narrowPeak
MAX	wgEncodeAwgTfbsSydhA549MaxlggrabUniPk.narrowPeak
NRSF	wgEncodeAwgTfbsHaibA549Nrsfv0422111Etoh02UniPk.narrowPeak
p300	wgEncodeAwgTfbsHaibA549P300V0422111Etoh02UniPk.narrowPeak
Pol II	wgEncodeAwgTfbsHaibA549Pol2Pcr2xEtoh02UniPk.narrowPeak
RAD21	encode/wgEncodeAwgTfbsSydhA549Rad21IggrabUniPk.narrowPeak
SIN3A	wgEncodeAwgTfbsHaibA549Sin3ak20V0422111Etoh02UniPk.narrowPeak
SIX5	wgEncodeAwgTfbsHaibA549Six5V0422111Etoh02UniPk.narrowPeak
TAF1	wgEncodeAwgTfbsHaibA549Taf1V0422111Etoh02UniPk.narrowPeak
TCF	wgEncodeAwgTfbsHaibA549Tcf12V0422111Etoh02UniPk.narrowPeak
YY1	wgEncodeAwgTfbsHaibA549Yy1cV0422111Etoh02UniPk.narrowPeak
ZBTB33	wgEncodeAwgTfbsHaibA549Zbtb33V0422111Etoh02UniPk.narrowPeak

Supp. Table 3. Global correlation values for iSLK.219 cell line 0 hour with the 6, 12, 24, and 48 hours post doxycycline treatment and corresponding timepoints for control iSLK.219 cells.

		Doxycycline-treated timepoints					Corresponding control timepoints				
		0HR	6HR	12HR	24HR	48HR	6HR	12HR	24HR	48HR	
	0HR	1	0.97489037	0.96960797	0.84697906	0.93947887	0.97564998	0.96205344	0.9352317	0.95823614	
Doxycycline-treated timepoints	6HR	0.97489037	1	0.97405963	0.84593782	0.93957052	0.97913783	0.9611058	0.93228324	0.95685885	
	12HR	0.96960797	0.97405963	1	0.87916155	0.96029981	0.97984215	0.96192273	0.95514304	0.9647646	
	24HR	0.84697906	0.84593782	0.87916155	1	0.90944492	0.86380829	0.85352642	0.90773688	0.89952851	
	48HR	0.93947887	0.93957052	0.96029981	0.90944492	1	0.95119799	0.93854611	0.95728881	0.96055785	
Corresponding control timepoints	6HR	0.97564998	0.97913783	0.97984215	0.86380829	0.95119799	1	0.96637524	0.94921343	0.96528891	
	12HR	0.96205344	0.9611058	0.96192273	0.85352642	0.93854611	0.96637524	1	0.93897712	0.95275119	
	24HR	0.9352317	0.93228324	0.95514304	0.90773688	0.95728881	0.94921343	0.93897712	1	0.95906846	
	48HR	0.95823614	0.95685885	0.9647646	0.89952851	0.96055785	0.96528891	0.95275119	0.95906846	1	

Supp. Table 4. Number of raw reads, aligned reads to HG19 genome, on- and off-target reads for 0, 6, 12, 24, and 48 hours for iSLK.219 doxycycline treated and corresponding timepoints for control iSLK.219 cells.

		Raw reads	Aligned reads	On-target reads	Off-target reads	Percent on-target reads	Percent off-target reads
Doxycycline treated timepoints	6HR	28,818,960	26,345,075	24,253,601	2,091,474	92.06%	7.94%
	12HR	21,946,955	20,121,373	18,463,933	1,657,440	91.76%	8.24%
	24HR	8,531,342	7,797,542	7,159,867	637,675	91.82%	8.18%
	48HR	16,165,852	14,737,424	13,397,681	1,339,743	90.91%	9.09%
	0HR	20,458,718	18,658,368	17,228,108	1,430,260	92.33%	7.67%
Corresponding control timepoints	6HR	30,184,600	27,620,979	25,368,509	2,252,470	91.85%	8.15%
	12HR	13,357,715	12,139,566	11,120,008	1,019,558	91.60%	8.40%
	24HR	9,053,492	8,278,466	7,569,039	709,427	91.43%	8.57%
	48HR	15,389,683	14,037,853	12,855,496	1,182,357	91.58%	8.42%
	0HR						