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Reporting Summary

Nature Research wishes to improve the reproducibility of the work that we publish. This form provides structure for consistency and transparency in reporting. For further information on Nature Research policies, see <u>Authors & Referees</u> and the <u>Editorial Policy Checklist</u>.

Statistical parameters

When statistical analyses are reported, confirm that the following items are present in the relevant location (e.g. figure legend, table legend, main text, or Methods section).

n/a	Con	firmed			
	\boxtimes	The exact sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement			
	\boxtimes	An indication of whether measurements were taken from distinct samples or whether the same sample was measured repeatedly			
	\boxtimes	The statistical test(s) used AND whether they are one- or two-sided Only common tests should be described solely by name; describe more complex techniques in the Methods section.			
	\square	A description of all covariates tested			
	\boxtimes	A description of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons			
	\boxtimes	A full description of the statistics including <u>central tendency</u> (e.g. means) or other basic estimates (e.g. regression coefficient) AND <u>variation</u> (e.g. standard deviation) or associated <u>estimates of uncertainty</u> (e.g. confidence intervals)			
	\boxtimes	For null hypothesis testing, the test statistic (e.g. <i>F</i> , <i>t</i> , <i>r</i>) with confidence intervals, effect sizes, degrees of freedom and <i>P</i> value noted <i>Give P values as exact values whenever suitable.</i>			
\ge		For Bayesian analysis, information on the choice of priors and Markov chain Monte Carlo settings			
	\boxtimes	For hierarchical and complex designs, identification of the appropriate level for tests and full reporting of outcomes			
	\boxtimes	Estimates of effect sizes (e.g. Cohen's d, Pearson's r), indicating how they were calculated			
	\boxtimes	Clearly defined error bars State explicitly what error bars represent (e.g. SD, SE, Cl)			
Our web collection on statistics for biologists may be useful,					

Software and code

 Policy information about availability of computer code

 Data collection
 Raw Illumina output was converted to fastq format using Illumina Bcl2fastq v2.18.

 Data analysis
 All open source packages that were used to process and analyze data in this study are detailed below in the "Software" section of ChIP-seq, and include MACS2 version 2.1.0, bedGraphToBigWig from UCSC, ChIPPeakAnno v3.10.1, pybedtools, Rsubread v1.26.1, BEDtools v2.26.0, ROSE, HTSeq v0.9.1, the DiffBind v2.4.8, MEME ChIP suite, and Genomic Regions Enrichment of Annotations Tool (GREAT).

 Packages used to analyze RNA-seq data include STAR 2.5.2a, GFOLD version 1.1.4, DESEQ2 v1.16.1, Rsubread v1.26.1, deepTools release 2.4, Gene Set Enrichment Analysis (GSEA), and Metascape. Any scripts or code written by the authors are available upon request from the corresponding author.

For manuscripts utilizing custom algorithms or software that are central to the research but not yet described in published literature, software must be made available to editors/reviewers upon request. We strongly encourage code deposition in a community repository (e.g. GitHub). See the Nature Research guidelines for submitting code & software for further information.

Policy information about availability of data

All manuscripts must include a data availability statement. This statement should provide the following information, where applicable:

- Accession codes, unique identifiers, or web links for publicly available datasets
- A list of figures that have associated raw data
- A description of any restrictions on data availability

The sequencing data sets generated during the current study have been deposited in the Gene Expression Omnibus (GEO) repository under accession number GSE113042 (https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE113042). Other data sets that were previously published and used in this study have been deposited in the Gene Expression Omnibus (GEO) repository under accession numbers GSE90634 and GSE108025 available at (https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE108025) respectively.

Field-specific reporting

Please select the best fit for your research. If you are not sure, read the appropriate sections before making your selection.

🔀 Life sciences 🛛 Behavioural & social sciences 🖳 Ecological, evolutionary & environmental sciences

For a reference copy of the document with all sections, see nature.com/authors/policies/ReportingSummary-flat.pdf

Life sciences study design

All studies must disclose on these points even when the disclosure is negative.				
Sample size	N/A. No human or animal subjects necessitating sample size calculations were used in this study.			
Data exclusions	No data were excluded from analysis or reporting.			
Replication	All experiments were performed in at least n=2 biologically independent experiments. For proliferation curve experiments, n=3 independent biological samples were used, enabling statistical calculations. No replicates were excluded from analyses presented, and all attempts at replication were successful.			
Randomization	Not applicable as human or animal subjects were not used in this study.			
Blinding	Not applicable as human or animal subjects were not used in this study.			

Reporting for specific materials, systems and methods

Materials & experimental systems

n/a	Involved in the study
\boxtimes	Unique biological materials
	Antibodies
	Eukaryotic cell lines
\boxtimes	Palaeontology
\boxtimes	Animals and other organisms
\boxtimes	Human research participants

Methods

- n/a Involved in the study
 ChIP-seq
 Flow cytometry
 - MRI-based neuroimaging

Antibodies

Antibodies used Antibody Clone# Company Cat# Application Dilution SMARCA4 D1Q7F Cell Signaling Technology 49360 Western blot 1:1000 SMARCA4 G-7 Santa Cruz sc-17796 Western blot 1:1000 SMARCC1 H-76 Cell Signaling Technology 11956S Western blot 1:1000 SMARCC1 D7F8S Santa Cruz sc-10756 Western blot 1:1000 SMARCD1 23 Santa Cruz sc-135843 Western blot 1:1000 SMARCB1 A-5 Santa Cruz sc-166165 Western blot 1:1000 SMARCC2 D809V Cell Signaling Technology 12760S Western blot 1:1000 SMARCC2 G-12 Santa Cruz sc-166237 Western blot 1:1000

ARID1A C-7 Santa Cruz sc-373784 Western blot 1:1000 SS18 D6I4Z Cell Signaling Technology 21792S Western blot 1:1000 SS18 A10 Santa Cruz sc-365170 Western blot 1:500 BRD7 15125 Cell Signaling Technology 15125S Western blot 1:1000 BRD7 B-8 Santa Cruz sc-376180 Western blot 1:1000 ARID2 E-3 Santa Cruz sc-166117 Western blot 1:1000 BRD9 N/A abcam ab137245 Western blot 1:2000 GLTSCR1 N/A Signma-Aldrich HPA056211 Western blot 1:1000 GLTSCR1 H-10 Santa Cruz sc-515086 Western blot 1:1000 GLTSCR1L N/A Novus NBP1-86359 Western blot 1:1000 DPF2 EPR9206(B) abcam ab134942 Western blot 1:1000 PBRM1 N/A Millipore ABE70 Western blot 1:5000 SMARCE1 N/A Bethyl Laboratories A300-810A Western blot 1:1000 HA C29F4 Cell Signaling Technology 3724S Western blot 1:2000 V5 N/A Thermo Fisher R960-25 Western blot 1:5000 TBP mAbcam 51841 abcam ab51841 Western blot 1:5000 GAPDH G-9 Santa Cruz sc-365062 Western blot 1:1000

Antibody Clone# Company Cat# Application BRD9 N/A abcam ab137245 Immunoprecipitation GLTSCR1L N/A Novus NBP1-86359 Immunoprecipitation GLTSCR1 H-10 Santa Cruz sc-240516 Immunoprecipitation BRD7 D9K2T Cell Signaling Technology 14910 Immunoprecipitation ARID1A D2A8U Cell Signaling Technology 12354S Immunoprecipitation SMARCA4 EPNCIR111A abcam ab110641 Immunoprecipitation SMARCA4 Cell Signaling Technology 49360 Immunoprecipitation V5 D3H8Q Cell Signaling Technology 13202 Immunoprecipitation Rabbit IgG N/A Santa Cruz sc-2027 Immunoprecipitation Goat IgG N/A Santa Cruz sc-2028 Immunoprecipitation

Cell Line Antibody Clone# Company Cat# Lot# Amount Fol -1 BRD9 N/A abcam ab137245 GR257571-14 3ug EoL-1 BRD9 N/A abcam ab66443 GR144569-1 3ug EoL-1 GLTSCR1 S-16 Santa Cruz SC-240516 A2313 15ul EoL-1 BRD7 D9K2T Cell Signaling Technology 14910 Lot 1 15ul EoL-1 DPF2 EPR9206(B) abcam ab134942 YJ031611CS 3ug EoL-1 SMARCC1 fx 2, 4-11 homemade N/A 3/9/15 3ug EoL-1 SMARCA4 EPNCIR111A abcam ab110641 GR150844-12 5ul EoL-1 CTCF D31H2 Cell Signaling Technology 3418S Lot 3 3ug EoL-1 H3K27Ac N/A abcam ab4729 GR238017-2 3ug EoL-1 H3K4me1 N/A abcam ab8895 GR159018-1 3ug EoL-1 H3K4me3 15-10C-E4 Millipore 05745R 2326998 3ul MOLM-13 BRD9 N/A abcam ab137245 GR257571-14 3ug MOLM-13 GLTSCR1 S-16 Santa Cruz SC-240516 A2313 15ul MOLM-13 BRD7 D9K2T Cell Signaling Technology 14910 Lot 1 15ul MOLM-13 DPF2 EPR9206(B) abcam ab134942 YJ031611CS 3ug MOLM-13 SMARCA4 EPNCIR111A abcam ab110641 GR150844-12 5ul MOLM-13 CTCF D31H2 Cell Signaling Technology 3418S Lot 3 3ug SYO-1 BRD9 N/A abcam ab137245 GR257571-20 3ug SYO-1 CTCF D31H2 Cell Signaling Technology 3418S Lot 3 3ug SYO-1 SS18 D6I4Z Cell Signaling Technology 21792s Lot 1 3ul TTC1240 BRD9 N/A abcam ab137245 GR257571-20 3ug TTC1240 BRD9 N/A abcam ab137245 GR257571-23 3ug TTC1240 SMARCA4 EPNCIR111A abcam ab110641 GR3208604-3 5ul TTC1240 CTCF D31H2 Cell Signaling Technology 3418S Lot 3 3ug Aska BRD9 N/A abcam ab137245 GR257571-20 3ug Jurkat BRD9 N/A abcam ab137245 GR257571-20 3ug

Validation

All antibodies used in this study have been thoroughly validated by our laboratory to be specific (using IP-mass-spectrometry in wild-type and KO cell lines, and using immunoblot in wild-type and KO cell lines).

Eukaryotic cell lines

Policy information about <u>cell lines</u>	
Cell line source(s)	Cell Line Source HEK-293T, Gift from Dr. Gerald Crabtree at Stanford EoL-1, Gift from Dr. Jay Bradner at DFCI MOLM-13, Gift from Dr. Jay Bradner at DFCI TTC1240, Gift from Dr. Timothy Triche G401, ATCC ES-X, ATCC IMR-90, ATCC CRL7250, Gift from Drs. Berkeley Gryder and Javed Khan at NCI

	NCIH-1437, CCLE, Broad Institute
	ES-2, Gift from Dr. Charles Roberts at DFCI
	RD, CCLE
	HCT116, CCLE
	Calu-6, CCLE
	Aska, RIKEN
	SYO-1, RRID:CVCL_7146
	HSSYII, RRID:CVCL_8719
Authentication	All cell lines were routinely checked for mycoplasma contamination and confirmed negative. All cell lines were subjected to routine fingerprinting analyses to confirm identity.
Mycoplasma contamination	All cell lines used in the study tested negative for mycoplasma.
Commonly misidontified lines	
Commonly misidentified lines (See <u>ICLAC</u> register)	No cell lines used in this study were found in the database of commonly misidentified cell lines that is maintained by ICLAC and NCBI Biosample.

ChIP-seq

Data deposition

Confirm that both raw and final processed data have been deposited in a public database such as GEO.

Confirm that you have deposited or provided access to graph files (e.g. BED files) for the called peaks.

Data access links May remain private before publication. The sequencing data sets generated and/or analyzed during the current study have been deposited in the Gene Expression Omnibus (GEO) repository under accession number GSE113042 (https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi? acc=GSE113042).

Files in database submission

fastq and bigWig files for the following ChIP-Seq samples were deposited in the Gene Expression Omnibus, they can be accessed using the link above: GSM3094366 EOL1_Input_Naive_ChIP-Seq GSM3094367 EOL1_SMARCA4_Naive_ChIP-Seq GSM3094368 EOL1_BRD9_137245_Naive_ChIP-Seq GSM3094369 EOL1_BRD9_66443_Naive_ChIP-Seq GSM3094370 EOL1_GLTSCR1_Naive_ChIP-Seq GSM3094371 EOL1_SMARCC1_Naive_ChIP-Seq GSM3094372 EOL1_BRD7_Naive_ChIP-Seq GSM3094373 EOL1_DPF2_Naive_ChIP-Seq GSM3094374 EOL1_H3K27Ac_Naive_ChIP-Seq GSM3094375 EOL1 CTCF Naive ChIP-Seq GSM3094376 MOLM13_Input_DMSO_ChIP-Seq GSM3094377 MOLM13_SMARCA4_DMSO_ChIP-Seq GSM3094378 MOLM13_BRD9_DMSO_ChIP-Seq GSM3094379 MOLM13_BRD7_DMSO_ChIP-Seq GSM3094380 MOLM13_DPF2_DMSO_ChIP-Seq GSM3094381 MOLM13_GLTSCR1_DMSO_ChIP-Seq GSM3094382 MOLM13_CTCF_DMSO_ChIP-Seq GSM3094383 EOL1_H3K4me1_Naive_ChIP-Seq GSM3094384 EOL1_H3K4me3_Naive_ChIP-Seq GSM3094385 SYO1_Input_shControl_ChIP-Seq GSM3094386 SYO1_SS18_shControl_ChIP-Seq GSM3094387 SYO1_BRD9_shControl_ChIP-Seq GSM3094388 SYO1_CTCF_shControl_ChIP-Seq GSM3094389 SYO1 Input shSSX ChIP-Seq GSM3094390 SYO1_SS18_shSSX_ChIP-Seq GSM3094391 SYO1_BRD9_shSSX_ChIP-Seq GSM3094394 JURKAT_Input_Naive_ChIP-Seq GSM3094395 JURKAT_BRD9_Naive_ChIP-Seq GSM3094396 JURKAT CTCF Naive ChIP-Seq GSM3094397 TTC1240_BRD9_N106_Empty_ChIP-Seq GSM3094398 TTC1240_BRD9_N106_SMARCB1_ChIP-Seq GSM3326008 TTC1240_BRD9_dBRD9_ChIP-Seq GSM3326009 TTC1240_BRD9_DMSO_ChIP-Seq GSM3326010 TTC1240_CTCF_Empty_ChIP-Seq GSM3326011 TTC1240_Input_dBRD9_ChIP-Seq GSM3326012 TTC1240_Input_DMSO_ChIP-Seq GSM3326013 TTC1240_SMARCA4_Rep1_dBRD9_ChIP-Seq GSM3326014 TTC1240_SMARCA4_Rep1_DMSO_ChIP-Seq GSM3326015 TTC1240_SMARCA4_Rep2_dBRD9_ChIP-Seq GSM3326016 TTC1240_SMARCA4_Rep2_DMSO_ChIP-Seq GSM3326017 Aska_BRD9_shScr_ChIP-Seq

	GSM3326018 Aska_BRD9_shSSX1_ChIP-Seq
	GSM3326021 MOLM13 (AML)_SMARCA4_dBRD9_ChIP-Seq
Genome browser session (e.g. <u>UCSC</u>)	N/A
Methodology	
Replicates	For profiling subcomplex localization in AML, BRD9 ChIPs were done in biological duplicate with multiple independent antibodies in both MOLM13 and EOL-1. All other BAF subunit ChIPs were performed at least once in the independent cell lines EOL1 and MOLM13, with at least 2 antibodies targeting the each subcomplex. In the TTC1240 dBRD9 and DMSO treatment, SMARCA4 ChIP-Seq was performed in biological replicate and these replicates were used to determine differential localization. TTC1240 +SMARCB1 ChIP BRD9 ChIP was also done in biological replicate, however one sample was removed due to insufficient quality (low number of peaks). For synovial sarcoma experiments, fusion and non-fusion complexes were targeted with at least 3 independent antibodies.
Sequencing depth	All ChIP-Seq samples were single-end sequenced, the raw and mapped read number for each are below: Sample Name Raw Reads Mapped Reads EOL1_IRNU_Naive_ChIP-Seq 4259075 40669502 EOL1_SMARCA4_Naive_ChIP-Seq 42240285 40139203 EOL1_BR09_66443_Naive_ChIP-Seq 42280285 40139228 EOL1_GLTSC11_Naive_ChIP-Seq 4769807 44237227 EOL1_SMARCA1_Naive_ChIP-Seq 4769807 44237227 EOL1_SMARCA1_Naive_ChIP-Seq 4761828 45207765 EOL1_BR07_Naive_ChIP-Seq 41626359 39680595 EOL1_RD7_Naive_ChIP-Seq 41626359 2080883 EOL1_HX27Ac_Naive_ChIP-Seq 41626359 2080883 EOL1_HX27Ac_Naive_ChIP-Seq 41628250 2080883 EOL1_HX27Ac_Naive_ChIP-Seq 41628250 2080883 EOL1_HX27Ac_Naive_ChIP-Seq 41263259 2080883 EOL1_HX27Ac_Naive_ChIP-Seq 4126329 2080883 EOL1_HX27Ac_Naive_ChIP-Seq 4121210 59467859 MOLM13_Input_DMSO_ChIP-Seq 3112803547859 MOLM13_BR09_DMSO_ChIP-Seq 4121210 59467859 MOLM13_BR07_DMSO_ChIP-Seq 4121810 59467859 MOLM13_GETSCR1_DMSO_ChIP-Seq 5055828 4039470 EOL1_HX4me1_Naive_ChIP-Seq 43582868 4039470 EOL1_HX4me1_Naive_ChIP-Seq 51568838 0809430 EOL1_HX4me1_Naive_ChIP-Seq 5156838 0809430 EOL1_HX4me1_Naive_ChIP-Seq 5156838 0809430 EOL1_HX4me1_Naive_ChIP-Seq 5156838 0809430 EOL1_HX4me1_Naive_ChIP-Seq 43043986 4592477 MOLM13_GETSCR1_DMSO_ChIP-Seq 5164898 49073866 SY01_CTC_hSCNOTOI_CHIP-Seq 5164898 49073866 SY01_STR3_shControI_CHIP-Seq 5164898 49073865 SY01_BR0P_shSSC_CHIP-Seq 43844159 42713 SY01_S18_shControI_CHIP-Seq 5164898 49073865 SY01_BR0P_shSSC_CHIP-Seq 43844159 42713 SY01_BR0P_shSSC_CHIP-Seq 43844159 42713 SY01_BR0P_shSSC_CHIP-Seq 43844159 42714 JURKAT_INPUT_Naive_CHIP-Seq 31476122 5013147 JURKAT_INPUT_Naive_CHIP-Seq 31476122 5013147 JURKAT_INPUT_Naive_CHIP-Seq 32043986 5229751 SY01_BR0P_shSSC_CHIP-Seq 34874159 42111274 JURKAT_INPUT_Naive_CHIP-Seq 30451167 24859139040020 TTC1240_BR0P_NI06_Empty_CHIP-Seq 30451167 24859369 TTC1240_BR0P_NI06_Empty_CHIP-Seq 30451167 24859369 TTC1240_BR0P_NI06_Empty_CHIP-Seq 30451167 24859369 TTC1240_BR0P_NI06_Empty_CHIP-Seq 3074909 26657361 TTC1240_BR0P_NI06_Empty_CHIP-Seq 3074907 25
Antibodies	Sample Name: Antibody Catalog Number EOL1_SMARCA4_Naive_ChIP-Seq: Abcam EPNCIR111A EOL1_BRD9_137245_Naive_ChIP-Seq: Abcam 137245 EOL1_BRD9_66443_Naive_ChIP-Seq: Abcam 66443 EOL1_BRD7_Naive_ChIP-Seq: CST 14910 EOL1_DPF2_Naive_ChIP-Seq: Abcam ab134942 EOL1_H3K27Ac_Naive_ChIP-Seq: Abcam ab4729 EOL1_CTCF_Naive_ChIP-Seq: Abcam ab4729 EOL1_CTCF_Naive_ChIP-Seq: CST 3418S MOLM13_SMARCA4_DMSO_ChIP-Seq: Abcam ab137245 MOLM13_BRD9_DMSO_ChIP-Seq: Abcam ab137245 MOLM13_DPF2_DMSO_ChIP-Seq: CST 14910 MOLM13_DPF2_DMSO_ChIP-Seq: Abcam ab134942 MOLM13_CTCF_DMSO_ChIP-Seq: CST 3418

	EOL1_H3K4me1_Naive_ChIP-Seq: Abcam ab8895
	EOL1_H3K4me3_Naive_ChIP-Seq: Millipore 05745R
	SYO1_SS18_shControl_ChIP-Seq: CST 21792s
	SYO1_BRD9_shControl_ChIP-Seq: Abcam ab137245
	SYO1_CTCF_shControl_ChIP-Seq: CST 3418S
	SYO1_SS18_shSSX_ChIP-Seq: CST 21792s
	SYO1_BRD9_shSSX_ChIP-Seq: Abcam ab137245
	JURKAT_BRD9_Naive_ChIP-Seq: Abcam 137245
	JURKAT_CTCF_Naive_ChIP-Seq: CST 3418
	TTC1240_BRD9_N106_Empty_ChIP-Seq: Abcam 137245
	TTC1240_BRD9_N106_SMARCB1_ChIP-Seq: Abcam 137245
	TTC1240_BRD9_dBRD9_ChIP-Seq: Abcam 137245
	TTC1240_BRD9_DMSO_ChIP-Seq: Abcam 137245
	TTC1240_CTCF_Empty_ChIP-Seq: CST 3418S
	TTC1240_SMARCA4_Rep1_dBRD9_ChIP-Seq: Abcam EPNCIR111A
	TTC1240_SMARCA4_Rep1_DMSO_ChIP-Seq: Abcam EPNCIR111A
	TTC1240_SMARCA4_Rep2_dBRD9_ChIP-Seq: Abcam EPNCIR111A
	TTC1240_SMARCA4_Rep2_DMSO_ChIP-Seq: Abcam EPNCIR111A
	Aska_BRD9_shScr_ChIP-Seq: Abcam 137245
	Aska BRD9 shSSX1 ChIP-Seq: Abcam 137245
	MOLM13_SMARCA4_dBRD9_ChIP-Seq: Abcam EPNCIR111A
Peak calling parameters	In EOL1, TTC1240, MOLM13 and Jurkat, narrow peaks were called for all BAF subunits and CTCF against an input using MACS2 'callpeak' with a -q value cutoff of 1e-3 and thenomodel option. Broad peaks were called for all histone marks
	using MACS2 'callpeak' with a -q value of 1e-3, and the optionsbroad cutoffbroadnomodelSPMR. In the synovial
	sarcoma cell lines SYO1 and Aska, histone marks and BAF subunits peaks were called using the broadPeak options above,
	while CTCF peaks were again called using the narrowPeak options.
Data quality	For all samples, peaks were called using a qualue cutoff of 1e-3 against an input. Excepting particular disease or
	experimental conditions (such as BRD9 peaks after BRD9 degradation with dBRD9) all samples had >6000 peaks, most far
	higher (20,000+), a full list of peak numbers for each sample is available in Supp. Table 6. Read coverage in peaks was
	calculated to ensure quality as well. For the TTC1240 DMSO and dBRD9 treatment, a spike-in control was done to normalize
	read levels between samples.
C - ft	
Software	ChIP-Seq Data was aligned using Bowtie2, version 2.1.0 to the hg19 reference genome with the parameter k -1. MACS2
	version 2.1.0 was used to call peaks against input with a cutoff of $q = .001$. Duplicates were removed from reads files using
	samtools rmdup with the -b option. (SAMtools v1.3.1)
	Overlaps for ChIP venn diagrams were created using the bioconductor package ChIPPeakAnno v3.10.1, peak files were read
	in using the toGRanges() command, values were determined using the getVennCounts() function with maxgap=0. Data was
	visualized using matplotlib. Read count across peak sets of interest were calculated by calling the Rsubread v1.26.1
	bioconductor package function featur0.9eCounts() on duplicate removed bam files. Metagene plots and heatmaps were
	generated created using HTSeq v0.9.1. Peak distance from TSS elements was determined using bedtools closest function
	with the hg19 ref Flat TSS annotation. Intersection of peaks was determined using bedtools intersect. (bedtools
	v2.26.0)Determination of super enhancers was performed using ROSE. Differential occupancy of SMARCA4 in TTC1240 upon
	dBRD9 treatment was determined using the DiffBind v2.4.8 bioconductor package, with all default settings. Motif analysis on
	these sequences was done was done using the MEME-ChIP suite.