

S1 Table. 5'-end sequencing datasets used in this study.

Technique	Species	Database	Library	Sample ID	Sample	Type	Link
CAGE-seq	human	FANTOM5_phase1.3	CNhs11275	1	A549	cell line	
CAGE-seq	human	FANTOM5_phase1.3	CNhs12326	2	HelaS3	cell line	
CAGE-seq	human	FANTOM5_phase1.3	CNhs12330	3	HepG2	cell line	http://fantom.gsc.riken.jp/5/datafiles/phase1.3/basic/human.cell_line.hCAGE/
CAGE-seq	human	FANTOM5_phase1.3	CNhs12335	4	K562	cell line	
CAGE-seq	human	FANTOM5_phase1.3	CNhs11943	5	MCF7	cell line	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10616	1	Bladder	tissue	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10617	2	Brain	tissue	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10621	3	Heart	tissue	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10622	4	Kidney	tissue	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10624	5	Liver	tissue	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10625	6	Lung	tissue	http://fantom.gsc.riken.jp/5/datafiles/phase1.3/basic/human.tissue.hCAGE/
CAGE-seq	human	FANTOM5_phase1.3	CNhs10626	7	Ovary	tissue	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10629	8	Muscle	tissue	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10631	9	Spleen	tissue	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10632	10	Testis	tissue	
CAGE-seq	human	FANTOM5_phase1.3	CNhs10612	11	Universal	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10481	1	Bladder	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10473	2	Cortex	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10482	3	Diencephalon	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10478	4	Hippocampus	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10474	5	Lung	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10477	6	Medulla oblongata	tissue	http://fantom.gsc.riken.jp/5/datafiles/phase1.3/basic/mouse.tissue.hCAGE/
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10507	7	Ovary	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10505	8	Spinal cord	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10465	9	Spleen	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10504	10	Testis	tissue	
CAGE-seq	mouse	FANTOM5_phase1.3	CNhs10613	11	Universal	tissue	
TSS-seq	human	DBTSS_version_9	NA	1	Adipose	tissue	
TSS-seq	human	DBTSS_version_9	NA	2	Adrenal	tissue	
TSS-seq	human	DBTSS_version_9	NA	3	Brain (two repeats)	tissue	
TSS-seq	human	DBTSS_version_9	NA	4	Brain (two repeats)	tissue	
TSS-seq	human	DBTSS_version_9	NA	5	Breast	tissue	ftp://ftp.hgc.jp/pub/hgc/db/dbtss/dbtss_ver9/hg38/TSSseq/tsc_data/Adult/
TSS-seq	human	DBTSS_version_9	NA	6	Colon	tissue	
TSS-seq	human	DBTSS_version_9	NA	7	Heart	tissue	
TSS-seq	human	DBTSS_version_9	NA	8	Kidney	tissue	
TSS-seq	human	DBTSS_version_9	NA	9	Liver	tissue	
TSS-seq	human	DBTSS_version_9	NA	10	Lung	tissue	

TSS-seq	human	DBTSS_version_9	NA	11	Lymph	tissue	
TSS-seq	human	DBTSS_version_9	NA	12	Muscle	tissue	
TSS-seq	human	DBTSS_version_9	NA	13	Ovary	tissue	
TSS-seq	human	DBTSS_version_9	NA	14	Prostate	tissue	
TSS-seq	human	DBTSS_version_9	NA	15	Testis	tissue	
TSS-seq	human	DBTSS_version_9	NA	16	Thyroid	tissue	
TSS-seq	human	DBTSS_version_9	NA	1	A427	cell line	
TSS-seq	human	DBTSS_version_9	NA	2	A549	cell line	
TSS-seq	human	DBTSS_version_9	NA	3	ABC1	cell line	
TSS-seq	human	DBTSS_version_9	NA	4	H1299	cell line	
TSS-seq	human	DBTSS_version_9	NA	5	H1437	cell line	
TSS-seq	human	DBTSS_version_9	NA	6	H1648	cell line	
TSS-seq	human	DBTSS_version_9	NA	7	H1650	cell line	
TSS-seq	human	DBTSS_version_9	NA	8	H1703	cell line	
TSS-seq	human	DBTSS_version_9	NA	9	H1819	cell line	
TSS-seq	human	DBTSS_version_9	NA	10	H1975	cell line	
TSS-seq	human	DBTSS_version_9	NA	11	H2126	cell line	
TSS-seq	human	DBTSS_version_9	NA	12	H2228	cell line	
TSS-seq	human	DBTSS_version_9	NA	13	H2347	cell line	ftp://ftp.hgc.jp/pub/hgc/db/dbtss/dbtss_ver9/hg38/TSSseq/tsc_data/LA_Cell_line_26/
TSS-seq	human	DBTSS_version_9	NA	14	H322	cell line	
TSS-seq	human	DBTSS_version_9	NA	15	II18	cell line	
TSS-seq	human	DBTSS_version_9	NA	16	LC2ad	cell line	
TSS-seq	human	DBTSS_version_9	NA	17	PC14	cell line	
TSS-seq	human	DBTSS_version_9	NA	18	PC3	cell line	
TSS-seq	human	DBTSS_version_9	NA	19	PC7	cell line	
TSS-seq	human	DBTSS_version_9	NA	20	PC9	cell line	
TSS-seq	human	DBTSS_version_9	NA	21	RERFLCad1	cell line	
TSS-seq	human	DBTSS_version_9	NA	22	RERFLCad2	cell line	
TSS-seq	human	DBTSS_version_9	NA	23	RERFLCKJ	cell line	
TSS-seq	human	DBTSS_version_9	NA	24	RERFLCMS	cell line	
TSS-seq	human	DBTSS_version_9	NA	25	RERFLCOK	cell line	
TSS-seq	human	DBTSS_version_9	NA	26	VMRCLCD	cell line	
GRO-cap	human	Core et al., 2014	NA	NA	K562	cell line	https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE60456