Scale chr11: SLC6A5 → SLC6A5 →	· · · · · · · · · · · · · · · · · · ·	20,624,500	20,625,000		1 kb	20,628,00d
CTR147	>>>>>	L [(C/D and	lincRNA and TUCP transcripts H/ACA Box snoRNAs, scaRNAs, and microRNAs from snoRNABase and miRBase CTR147 CpG merge methylation level	
CTR149 CTR150		h i		. 11		
CTR151 CTR152	1 1	. , L		. 1	CTR151 CpG merge methylation level	.1 , 1
CTR153				. j	CTR153 CpG merge methylation level	
CTR84		at II		. 11	CTR84 CpG merge methylation level	
CTR86					CTR96 CpG merge methylation level	.l 1 .
CTR98				. ı l		11 1 .
CTR103	. I	h		1	CTR103 CpG merge methylation level	.l ı ı ı
CTR104 CTR106	1 1	. [1	CTR106 CpG merge methylation level	1 i
CTR107 CTR108		.		I	CTR108 CpG merge methylation level	1
CTR110 CTR132	I	h		1	CTR110 CpG merge methylation level CTR132 CpG merge methylation level	.1
CTR134 CTR148					CTR134 CpG merge methylation level CTR148 CpG merge methylation level	
CTR111		h .	·		CTR111 CpG merge methylation level	.1 1 1
CTR114	1	II h			CTR114 CpG merge methylation level	.l l
CTR118		l i			CTR118 CpG merge methylation level	1 1 .
CTR126 CTR127	1			.	CTR127 CpG merge methylation level	1
CTR128 CTR129		.i k			CTR128 CpG merge methylation level CTR129 CpG merge methylation level	1
CTR131 AT BS 03					UCSD Adipose Tissue Bisulfite-Seq Donor STL003 EA Release 9	1
AL BS 3 11				. 11	BI Adult Liver Bisulfite-Seq Donor 3 Library WGBS_Lib 11 EA Release 8	
Aorta BS 03 Esophagus BS 03					UCSD Esophagus Bisulfite-Seq Donor STL003 EA Release 9	
FML BS 96 66 FT BS 43 65					Muscle Leg Bisulfite-Seq Donor UW H24996 Library WGBS_Lib 66 EA Release 9 al Thymus Bisulfite-Seq Donor UW H24943 Library WGBS_Lib 65 EA Release 9	
Gastric BS 03) (1)) (1)	UCSD Gastric Bisulfite-Seq Donor STL003 EA Release 9	
LV BS 01		n I		. Li	UCSD Left Ventricle Bisulfite-Seq Donor STL003 EA Release 9	
Lung BS 02				1	UCSD Lung Bisulfite-Seq Donor STL002 EA Release 9	
Ovary BS 02 Pancreas BS 03		a h		1	UCSD Pancreas Bisulfite-Seq Donor STL003 EA Release 9	
PM BS 03				, , <u>,</u>	UCSD Psoas Muscle Bisulfite-Seq Donor STL003 EA Release 9	
RA BS 03 RV BS 03				, 11	UCSD Right Ventricle Bisulfite-Seq Donor STL003 EA Release 9	
SC BS 01		n H		. 11	UCSD Sigmoid Colon Bisulfite-Seq Donor STL001 EA Release 9	
SI BS 01	1 1	a I		, , , i	UCSD Small Intestine Bisulfite-Seq Donor STL001 EA Release 9	
Spleen BS 03 Thymus BS 01				y ()	UCSD Spleen Bisulfite-Seq Donor STL003 EA Release 9 UCSD Thymus Bisulfite-Seq Donor STL001 EA Release 9	
Brain Methyl 2				. c1	DNA methylation in kidney tissue (bigWig)	.1
Kidney Methyl 2 Placenta1 Methyl 2					DNA methylation in placenta (biological replicate 1) (bigWig)	
Placenta2 Methyl 2					DNA methylation in placenta (biological replicate 2) (bigWig) DNA methylation in placenta (biological replicate 2) (bigWig) DNA methylation in placenta (biological replicate 3) (bigWig)	
Cerebellum					Human_Cerebellum_Meth Human_Kidney_Meth	
NKcells					Human_NKcells_Meth	
Sperm NormalPancreas1					Human_Sperm_Meth Human_NormalPancreas1_Meth	
NormalPancreas2				, 1	Human_NormalPancreas2_Meth Human_93A_Meth	
93N Epidermis-old-sun-ex					Human_93N_Meth Human_Epidermis-old-sun-exposed_Meth	
Epidermis-old-sun-pro		4			Human_Epidermis-old-sun-protected_Meth Human_Epidermis-young-sun-exposed_Meth	
Epidermis-young-sun					Human_Epidermis-young-sun-protected_Meth Human_Buccals_Meth	
Sperm			1		Human_Sperm_Meth Human_BloodHealthy_Meth	
CD4T-100yr		<u> </u>			uman DNA Methylomes from Different Ages, Heyn 2012 : Human_CD4T-100yr_Meth nan DNA Methylomes from Different Ages, Heyn 2012 : Human_CD4T-Newborn_Meth	
PBMC				Distinct	Human DNA Methylomes from Different Ages, Heyn 2012 : Human_PBMC_Meth	
CD133HSC Macrophage				onange	as in Human Hematopoietic Stem Cells, Hodges 2011 : Human_CD133HSC_Meth Roadmap 2015 : Human_Macrophage_Meth	
NK BCell					Roadmap 2015 : Human_NK_Meth Human_BCell_Meth	
CD133HSC					Human_CD133HSC_Meth Human_HSPC_Meth	
Neut		<u>a</u> <u>h</u>			Human_Neut_Meth Human_H1_Meth	
H1BMP4 H1-mesendoderm					Human_H1BMP4_Meth Human_H1-mesendoderm_Meth	
H1-NPC					Human_H1-NPC_Meth Human_Mesenchymal_Meth	
Mesenchymal			JAMPS -	111:	Human_IMR90_Meth	
IMR90 BS 1a BloodALLL2		d n	IMR90 Ce	ell Line [Human_BioodALLL2_Meth	
BloodALLL1		ah			Human_BloodALLL1_Meth Human_IMR90_Meth	
MCF7 ColonCancer		1 1	focal DNA hyperm	nethylati	Human_MCF7_Meth on and long-range hypomethylation in colorectal cancer, Berman 2012 : Human_ColonCancer_Meth	
ColonCancer HCC1954			Increas	ed meth	ylation variation in epigenetic domains across cancer types. : Human_ColonCancer_Meth Human Breast Cancer, Hon 2012 : Human_HCC1954_Meth	
HepG2					Human_HepG2_Meth Human_PancreaticCancer1_Meth	
PancreaticCancer1 PancreaticCancer2					Human_PancreaticCancer2_Meth	
PancreaticCancer3 PancreaticCancer4					Human_PancreaticCancer3_Meth Human_PancreaticCancer4_Meth	
PancreaticCancer5 PancreaticCancer6					Human_PancreaticCancer5_Meth	
PancreaticCancer7 PancreaticCancer8					Human_PancreaticCancer7_Meth Human_PancreaticCancer8_Meth Human_PancreaticCancer8_Meth	
PancreaticCancer9					Human_PancreaticCancer9_Meth Human_PancreaticCancer10_Meth	
PancreaticCancer11 Layered H3K27Ac			H	3K27Ac	Human_PancreaticCancer11_Meth Mark (Often Found Near Active Regulatory Elements) on 7 cell lines from ENCODE	
Layered H3K2/Ac Layered H3K4Me1				H3K4ľ	We1 Mark (Often Found Near Regulatory Elements) on 7 cell lines from ENCODE	
Layered H3K4Me3 DNase Clusters					13K4Me3 Mark (Often Found Near Promoters) on 7 cell lines from ENCODE DNasel Hypersensitivity Clusters in 125 cell types from ENCODE (V3)	
Txn Factor ChIP				Transcri	ption Factor ChIP-seq Clusters (161 factors) from ENCODE with Factorbook Motifs chromHMM tracks from Roadmap	
LNG.IMR90 Restr Enzymes	11 111				Restriction Enzymes from REBASE	
Rattus Slc6a5 → Danio slc6a5 → Mus Slc6a5 → Mus Slc6a5 →	**************************************		**************************************	***** ***** ****		***********
SLC6A5 → SLC6A5 →	>>>>>	·>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>>	Xenopus slc6a5.5 UCSC annotations of RefSeq RNAs (NM_* and NR_*)	***********
4 _ Mammal Cons -4 _	والمراج والمراجع والمراجع	-prop _{erent} an-orpostanas	M. Adapater	t.dettletaphyspogra	CpG Islands (Islands < 300 Bases are Light Green) Placental Mammal Basewise Conservation by PhyloP	entergraphy of the state of the second
Rhesus Mouse Dog					Multiz Alignments of 46 Vertebrates	
Elephant Opossum Chicken X_tropicalis Zebrafish						
∠epratish —					Repeating Elements by RepeatMasker	