Scale chr19: ZNF559-ZNF177 → ZNF559-ZNF177 →	9,472,00d	9,472,50d	9,473,000 UCSC Gene	1 kb 9,473,500 s (RefSeq, GenBank, CCDS	9,474,00¢ , Rfam, tRNAs & Compara	9,474,500	9,475,00d	9,475,50d
CTR147			C/D and H/ACA E	lincRNA and T Box snoRNAs, scaRNAs, an CTR147 CpG mer CTR149 CpG mer	ge methylation level ge methylation level	Base and miRBase		
CTR149 CTR150 CTR151	,1 1 11	1 1	1 1: 1 11	CTR150 CpG mer	ge methylation level			
CTR152 CTR153 CTR154	1 il	11	 	CTR152 CpG mer	ge methylation leveli ge methylation level ge methylation level		1 1 1	
CTR84 CTR85			 	CTR84 CpG merç	e methylation level e methylation level e methylation level	1 1	11	
CTR97	1			CTR97 CpG merg	e methylation level	1		
CTR101 CTR103 CTR104			1 11	CTR103 CpG mer	ge methylation level ge methylation level ge methylation level			1
CTR106 CTR107 CTR108	1 1	i	i "	CTR106 CpG mer	ge methylation level ge methylation level ge methylation level			'
CTR110 CTR132	1 1 1			CTR110 CpG mer	ge methylation level ge methylation level ge methylation level		1 11	1
CTR134 CTR148 CTR111	1	11 1	11	CTR148 CpG mer	ge methylation level		1 11	
CTR113 CTR114 CTR117	1		1 11	CTR113 CpG mer CTR114 CpG mer	ge methylation level		1 1	1 1 1
CTR118 CTR126		1		CTR118 CpG mer	ge methylation level	1	1	, , ,
CTR127 CTR128 CTR129	1 1 1 1 1 1 1 1 1 1	n I		CTR128 CpG mer	ge methylation level		1 11	
CTR131 AT BS 03 AL BS 3 11			(1)	CTR131 CpG mer SD Adipose Tissue Bisulfite-	ge methylation level Seq Donor STL003 EA Rel	Release 8		
Aorta BS 03 Esophagus BS 03				UCSD Aorta Bisulfite-Seq I	q Donor STL003 EA Relea			
FML BS 96 66 FT BS 43 65			BI Fetal Thymi	Leg Bisulfite-Seq Donor UW Sisulfite-Seq Donor UW F	H24943 Library WGBS_Lib	65 EA Release 9		
Gastric BS 03 LV BS 01 LV BS 03			UC	UCSD Gastric Bisulfite-Seq	eq Donor STL001 EA Rele	ase 9		
Lung BS 02 Ovary BS 02				UCSD Lung Bisulfite-Seq I	Donor STL002 EA Release	9	1 1 1 1 1 1 1 1 1 1	
Pancreas BS 03 PM BS 03		6 I		CSD Pancreas Bisulfite-Sei	eq Donor STL003 EA Rele	ease 9		
RA BS 03 RV BS 03 SC BS 01				1 1	Seq Donor STL003 EA Reli	ease 9		
SC BS 01 SC BS 03 SI BS 01				SD Sigmoid Colon Bisulfite-5	Seq Donor STL003 EA Rele	ease 9		
Spleen BS 03 Thymus BS 01		11 1 1 1 1 1 1 1 1 1		UCSD Spleen Bisulfite-Seq	Donor STL001 EA Releas			
Brain Methyl 2 Kidney Methyl 2 Placenta1 Methyl 2				DNA methylation in	brain tissue (bigWig) kidney tissue (bigWig)	Nig)		
Placenta1 Methyl 2 Placenta2 Methyl 2 Placenta3 Methyl 2	11 1	1. 1 1. 1		NA methylation in placenta	biological replicate 2) (bigv	Vig)	1 1 1 1 1 1 1 1 1 1	.
Cerebellum Kidney NKcells	1 1 1		1 11 11	Human_Cer	i.	11	1 1	
Sperm NormalPancreas1				Human_S Human_Normal	perm_Meth Pancreas1_Meth Pancreas2_Meth	<u> </u>		
93A 93N	11 1			Human_	93A_Meth	111		
Epidermis-old-sun-ex Epidermis-old-sun-pro Epidermis-young-sun			1 11 1	Human_Epidermis-o	ld-sun-exposed_Meth d-sun-protected_Meth ung-sun-exposed_Meth	111		
Epidermis-young-sun Buccals Sperm				Human_B	ing-sun-protected_Meth	114		
BloodHealthy CD4T-100yr CD4T-Newborn				Human_Bloo				
PBMC CD133HSC				DNA Methylomes from Diffe Inan Hematopoietic Stem Ce Roadmap 2015 : Hun				
Macrophage NK BCell				Roadmap 2015 : Human_E	Human_NK_Meth SCell_Meth			
CD133HSC HSPC Neut				Human_F	33HSC_Meth SPC_Meth Neut_Meth	114		111111111111111111111111111111111111111
H1 H1BMP4 H1-mesendoderm				Human H1	H1_Meth BMP4_Meth Bendoderm_Meth			
H1-NPC Mesenchymal IMR90				Human_Mese	-NPC_Meth			
IMR90 BS 1a BloodALLL2		IMR9	0 Cell Line DNA Met	hylation by Bisulfite-seq Sign Human_Bloc	al from REMC/UCSD (Library)	ary:methylC-seq_imr90)_r1a)	
BloodALLL1 IMR90 MCF7				Human_IN	dALLL1_Meth //R90_Meth	114		
ColonCancer ColonCancer HCC1954			reased methylation v	ariation in epigenetic domain		uman_ColonCancer_W		
HepG2 PancreaticCancer1	111111111111111111111111111111111111111			Human_Pancrea	epG2_Meth sticCancer1_Meth	1	h 1	
PancreaticCancer2 PancreaticCancer3 PancreaticCancer4				Human_Pancrea Human_Pancrea	tticCancer3_Meth			
PancreaticCancer5 PancreaticCancer6 PancreaticCancer7				Human_Pancrea	titicCancer5_Meth			
PancreaticCancer8 PancreaticCancer9 PancreaticCancer10				Human_Pancrea	iticCancer8_Meth			
PancreaticCancer11 Layered H3K27Ac				IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	ulatory Elements) on 7 cell			
Layered H3K4Me1 Layered H3K4Me3 DNase Clusters			H3K4Me3	k (Often Found Near Regula 8 Mark (Often Found Near P el Hypersensitivity Clusters i	omoters) on 7 cell lines fro	m ENCODE		
DNase Clusters Txn Factor ChIP LNG.IMR90 LNG.IMR90				Postriction Enzy	ks from Roadmap			
Restr Enzymes Mus Zfp846 ← io si:cabz01069013.3 → Mus Zfp426 ← Mus Zfp426 ←	**************************************				nes from REBASE			
Mus Zfp426 Xenopus znf665 Xenopus znf484.L Rattus Zfp26 Mus Zfp560 opus LOC100337651	<<<<<<<<<<<<<<<<><<<<<><<<<<><<<<<><<<<><<<<	**************************************		**************************************	**************************************		**************************************	
Mus Fbxl12os ← Bos ZNF177 → Danio znf1069 → ZNF559-ZNF177 → ZNF559-ZNF177 →			\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	UCSC annotations of Ref	();>>> >>>>>>>)	**************************************	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
4 _ Mammal Cons -4 _	ay iyon doo ingaala aa daa ay ay daa lagaa ahaa ahaa ay ay ay	oog haden negative geging her	proceduration and respective and	CpG Islands (Islands < 3 CpG: 31 Placental Mammal Basew	00 Bases are Light Green) se Conservation by Phylof			
Rhesus Mouse Dog Elephant Opossum				Multiz Alignment	s of 46 Vertebrates			
Chicken X_tropicalis Zebrafish RepeatMasker	ı			Repeating Elemen	ts by RepeatMasker			