RepeatMasker
Repeating Elements by RepeatMasker
Rhesus
Mouse
Dog
Elephant
Opossum
Chicken
X_tropicalis
Zebrafish
Multiz Alignments of 46 Vertebrates
Mammal Cons
4
-4
CpG Islands (Islands < 300 Bases are Light Green)
CpG: 63
Placental Mammal Basewise Conservation by PhyloP
UCSC annotations of RefSeq RNAs (NM_* and NR_*)
SHOX2
SHOX2
SHOX2
Mus Shox2
Mus Shox2
Non-Human RefSeq Genes
Restriction Enzymes from REBASE
Rest Enzymes
LNG.IMR90
LNG.IMR90
chromHMM tracks from Roadmap
Txn Factor ChIP
Transcription Factor ChIP-seq Clusters (161 factors) from ENCODE with Factorbook Motifs
DNase Clusters
DNaseI Hypersensitivity Clusters in 125 cell types from ENCODE (V3)
Layered H3K4Me3
H3K4Me3 Mark (Often Found Near Promoters) on 7 cell lines from ENCODE
Layered H3K4Me1
H3K4Me1 Mark (Often Found Near Regulatory Elements) on 7 cell lines from ENCODE
Layered H3K27Ac
H3K27Ac Mark (Often Found Near Active Regulatory Elements) on 7 cell lines from ENCODE
PancreaticCancer11
Human_PancreaticCancer11_Meth
PancreaticCancer10
Human_PancreaticCancer10_Meth
PancreaticCancer9
Human_PancreaticCancer9_Meth
PancreaticCancer8
Human_PancreaticCancer8_Meth
PancreaticCancer7
Human_PancreaticCancer7_Meth
PancreaticCancer6
Human_PancreaticCancer6_Meth
PancreaticCancer5
Human_PancreaticCancer5_Meth
PancreaticCancer4
Human_PancreaticCancer4_Meth
PancreaticCancer3
Human_PancreaticCancer3_Meth
PancreaticCancer2
Human_PancreaticCancer2_Meth
PancreaticCancer1
Human_PancreaticCancer1_Meth
HepG2
Human_HepG2_Meth
HCC1954
Human Breast Cancer, Hon 2012 : Human_HCC1954_Meth
ColonCancer
Increased methylation variation in epigenetic domains across cancer types. : Human_ColonCancer_Meth
ColonCancer
focal DNA hypermethylation and long-range hypomethylation in colorectal cancer, Berman 2012 : Human_ColonCancer_Meth
MCF7
Human_MCF7_Meth
IMR90
Human_IMR90_Meth
BloodALL1
Human_BloodALL1_Meth
BloodALL2
Human_BloodALL2_Meth
IMR90 BS 1a
IMR90 Cell Line DNA Methylation by Bisulfite-seq Signal from REMC/UCSD (Library:methylC-seq_imr90_r1a)
IMR90
Human_IMR90_Meth
Mesenchymal
Human_Mesenchymal_Meth
H1-NPC
Human_H1-NPC_Meth
H1-mesendoderm
Human_H1-mesendoderm_Meth
H1BMP4
Human_H1BMP4_Meth
H1
Human_H1_Meth
Neut
Human_Neut_Meth
LV BS 03
Lung BS 02
Ovary BS 02
Pancreas BS 03
PM BS 03
RA BS 03
RV BS 03
SC BS 01
SC BS 03
SI BS 01
Spleen BS 03
Thymus BS 01
Brain Methyl 2
Kidney Methyl 2
Placental Methyl 2
Placenta2 Methyl 2
Placenta3 Methyl 2
Cerebellum
Human_Cerebellum_Meth
Kidney
Human_Kidney_Meth
NKcells
Human_NKcells_Meth
Sperm
Human_Sperm_Meth
NormalPancreas1
Human_NormalPancreas1_Meth
NormalPancreas2
Human_NormalPancreas2_Meth
93A
Human_93A_Meth
93N
Human_93N_Meth
Epidermis-old-sun-ex
Human_Epidermis-old-sun-exposed_Meth
Epidermis-old-sun-pro
Human_Epidermis-old-sun-protected_Meth
Epidermis-young-sun
Human_Epidermis-young-sun-exposed_Meth
Epidermis-young-sun
Human_Epidermis-young-sun-protected_Meth
Buccals
Human_Buccals_Meth
Sperm
Human_Sperm_Meth
BloodHealthy
Human_BloodHealthy_Meth
CD4T-100yr
Distinct Human DNA Methylomes from Different Ages, Heyn 2012 : Human_CD4T-100yr_Meth
CD4T-Newborn
Distinct Human 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
Changes in Human Hematopoietic Stem Cells, Hodges 2011 : Human_CD133HSC_Meth
Macrophage
Roadmap 2015 : Human_Macrophage_Meth
NK
Roadmap 2015 : Human_NK_Meth
BCell
Human_BCell_Meth
CD133HSC
Human_CD133HSC_Meth
HSPC
Human_HSPC_Meth
UCSD Left Ventricle Bisulfite-Seq Donor STL003 EA Release 9
UCSD Lung Bisulfite-Seq Donor STL002 EA Release 9
UCSD Ovary Bisulfite-Seq Donor STL002 EA Release 9
UCSD Pancreas Bisulfite-Seq Donor STL003 EA Release 9
UCSD Psoas Muscle Bisulfite-Seq Donor STL003 EA Release 9
UCSD Right Atrium Bisulfite-Seq Donor STL003 EA Release 9
UCSD Right Ventricle Bisulfite-Seq Donor STL003 EA Release 9
UCSD Sigmoid Colon Bisulfite-Seq Donor STL001 EA Release 9
UCSD Sigmoid Colon Bisulfite-Seq Donor STL003 EA Release 9
UCSD Small Intestine Bisulfite-Seq Donor STL001 EA Release 9
UCSD Spleen Bisulfite-Seq Donor STL003 EA Release 9
UCSD Thymus Bisulfite-Seq Donor STL001 EA Release 9
DNA methylation in brain tissue (bigWig)
DNA methylation in kidney tissue (bigWig)
DNA methylation in placenta (biological replicate 1) (bigWig)
DNA methylation in placenta (biological replicate 2) (bigWig)
DNA methylation in placenta (biological replicate 3) (bigWig)
CTR131 CpG merge methylation level
CTR129 CpG merge methylation level
CTR128 CpG merge methylation level
CTR127 CpG merge methylation level
CTR126 CpG merge methylation level
CTR118 CpG merge methylation level
CTR117 CpG merge methylation level
CTR114 CpG merge methylation level
CTR113 CpG merge methylation level
CTR111 CpG merge methylation level
CTR148 CpG merge methylation level
CTR134 CpG merge methylation level
CTR132 CpG merge methylation level
CTR110 CpG merge methylation level
CTR108 CpG merge methylation level
CTR107 CpG merge methylation level
CTR106 CpG merge methylation level
CTR104 CpG merge methylation level
CTR103 CpG merge methylation level
CTR101 CpG merge methylation level
CTR98 CpG merge methylation level
CTR97 CpG merge methylation level
CTR86 CpG merge methylation level
CTR85 CpG merge methylation level
CTR84 CpG merge methylation level
CTR154 CpG merge methylation level
CTR153 CpG merge methylation level
CTR152 CpG merge methylation level
CTR151 CpG merge methylation level
CTR150 CpG merge methylation level
CTR149 CpG merge methylation level
CTR147 CpG merge methylation level
UCSD Adipose Tissue Bisulfite-Seq Donor STL003 EA Release 9
BI Adult Liver Bisulfite-Seq Donor 3 Library WGBS_Lib 11 EA Release 8
UCSD Aorta Bisulfite-Seq Donor STL003 EA Release 9
UCSD Esophagus Bisulfite-Seq Donor STL003 EA Release 9
BI Fetal Muscle Leg Bisulfite-Seq Donor UW H24996 Library WGBS_Lib 66 EA Release 9
BI Fetal Thymus Bisulfite-Seq Donor UW H24943 Library WGBS_Lib 65 EA Release 9
UCSD Gastric Bisulfite-Seq Donor STL003 EA Release 9
UCSD Left Ventricle Bisulfite-Seq Donor STL001 EA Release 9
AT BS 03
AL BS 3 11
Aorta BS 03
Esophagus BS 03
FML BS 96 66
FT BS 43 65
Gastric BS 03
LV BS 01
lincRNA and TUCP transcripts
C/D and H/ACA Box snoRNAs, scaRNAs, and microRNAs from snoRNAbase and miRBase
SHOX2
SHOX2
SHOX2
UCSC Genes (RefSeq, GenBank, CCDS, Rfam, tRNAs & Comparative Genomics)
Scale
chr3: 157,810,504
157,811,004
157,811,504
157,812,004
157,812,504
157,813,004
157,813,504
157,814,004
1 kb
hg19