









HOXA9



25







HOXB1

NT2

+

HOXB7









HOXA10





35

30

25

20

15

10

5

0

+

+

region

Unrelated HOXB1

HOXB1

H2AK119ub ChIP



Supp Figure 2

mESC



Supp Figure 3





Annotated Proteins

Focal adhesion Gap junction Tight junction Endocytosis Phagosome Calcium signaling pathway HIF-1 signaling pathway PI3K-Akt signaling pathway Protein processing in endoplasmic reticulum Spliceosome Ribosome EGFR tyrosine kinase inhibitor resistance Central carbon metabolism in cancer MicroRNAs in cancer Pathways in cancer Viral carcinogenesis Prostate cancer Dilated cardiomyopathy Hypertrophic cardiomyopathy (HCM) Systemic lupus erythematosus Legionellosis Pathogenic Escherichia coli infection Epstein-Barr virus infection HTLV-I infection Influenza A Alzheimer's disease Huntington's disease Parkinson's disease Alcoholism Glycolysis / Gluconeogenesis Oxidative phosphorylation Biosynthesis of amino acids Carbon metabolism Metabolic pathways N-Glycan biosynthesis Steroid biosynthesis Estrogen signaling pathway Antigen processing and presentation NOD-like receptor signaling pathway

Apoptosis

NT2



d



Supp Figure 4

