

Table S1. Genes related to epigenetic mechanisms

<i>DNA Methyltransferases</i>		
DNMT1	DNMT3A	DNMT3B

<i>Histone Acetyltransferases</i>								
ATF2	CDYL	CIITA	ESCO1	ESCO2	HAT1	KAT14	KAT2A	KAT2B
KAT5	KAT6A	KAT6B	KAT7	KAT8	NCOA1	NCOA3	NCOA6	

<i>Histone Methyltransferases</i>							
CARM1	DOT1L	EHMT2	KMT2A	KMT2C	PRMT1	PRMT2	PRMT3
PRMT5	PRMT6	PRMT7	PRMT8	SETDB2	SMYD3	SUV39H1	

<i>SET Domain Proteins (Histone Methyltransferase Activity)</i>								
ASH1L	KMT2C	KMT2E	KMT5A	KMT5B	NSD1	NSD2	SETD1A	SETD1B
SETD2	SETD3	SETD4	SETD5	SETD6	SETD7	SETDB1	SUV39H1	

<i>Histone Phosphorylation</i>						
AURKA	AURKB	AURKC	NEK6	PAK1	RPS6KA3	RPS6KA5

<i>Histone Ubiquitination</i>								
DZIP3	MYSM1	RNF2	RNF20	UBE2A	UBE2B	USP16	USP21	USP22

<i>DNA & Histone Demethylases</i>						
KDM1A	KDM4A	KDM4C	KDM5B	KDM5C	KDM6B	MBD2

<i>Histone Deacetylases</i>					
HDAC1	HDAC10	HDAC11	HDAC2	HDAC3	HDAC4
HDAC5	HDAC6	HDAC7	HDAC8	HDAC9	

<i>SWI / SNF Complex Components</i>				
ARID1A	INO80	PBRM1	SMARCA2	SMARCA4

