



Suppl. Table 1 – List of transcripts scanned for putative ARE sequences in the human genome (hg19). HUGO Gene Nomenclature Committee symbols and NCBI Refseq mRNA ID accession numbers are indicated for each gene and transcript.

Human genome (hg19)	
HGNC Symbol	Refseq mRNA ID accession number
<i>DGCR8</i>	NM_001190326, NM_022720
<i>DICER 1</i>	NM_001195573, NM_001271282, NM_001291628, NM_001395677, NM_001395678, NM_001395679, NM_001395680, NM_001395682, NM_001395683, NM_001395684, NM_001395685, NM_001395686, NM_001395687, NM_001395688, NM_001395689, NM_001395690, NM_001395691, NM_001395692, NM_001395693, NM_001395694, NM_001395695, NM_001395696, NM_001395697, NM_001395698, NM_001395700, NM_030621, NM_177438
<i>DNMT1</i>	NM_001130823, NM_001318730, NM_001318731, NM_001379
<i>DNMT3A</i>	NM_001320892, NM_001320893, NM_001375819, NM_022552, NM_153759, NM_175629, NM_175630
<i>DNMT3B</i>	NM_001207055, NM_001207056, NM_006892, NM_175848, NM_175849, NM_175850
<i>DROSHA</i>	NM_001100412, NM_001382508, NM_013235
<i>HDAC1</i>	NM_004964
<i>HDAC2</i>	NM_001527
<i>HDAC3</i>	NM_001355039, NM_001355040, NM_001355041, NM_003883
<i>SIRT1</i>	NM_001142498, NM_001314049, NM_012238
<i>TARBP2</i>	NM_004178, NM_134323, NM_134324

Suppl. Table 2 – List of transcripts scanned for putative ARE sequences in the mouse genome (mm10). Mouse Genome Informatics symbols and NCBI Refseq mRNA ID accession numbers are indicated for each gene and transcript.

Mouse genome (mm10)	
MGI Symbol	Refseq mRNA ID accession number
<i>Dgcr8</i>	NM_033324
<i>Dicer1</i>	NM_148948
<i>Dnmt1</i>	NM_001404685, NM_010066, NM_001199431, NM_001314011, NM_001199432, NM_001199433
<i>Dnmt3a</i>	NM_007872, NM_001271753, NM_153743
<i>Dnmt3b</i>	NM_001271744, NM_001271745, NM_001003961, NM_001003960, NM_001271747, NM_001003963, NM_001271746, NM_010068, NM_001122997
<i>Drosha</i>	NM_001130149, NM_026799
<i>Hdac1</i>	NM_008228
<i>Hdac2</i>	NM_008229
<i>Hdac3</i>	NM_010411
<i>Sirt1</i>	NM_001159589, NM_019812
<i>Tarbp2</i>	NM_001253795, NM_009319

Suppl. Table 3. List of primers used in this study.

Gene Product	Forward Primer	Reverse Primer
<i>Actb</i>	5' TCCTTCCTGGGCATGGAG 3'	5' AGGAGGAGCAATGATCTTGATCTT 3'
<i>Dicer1</i>	5' TGAGAAGCAAAAAGGTCAGCA 3'	5' GCCAGCAAGCAGTCTTTTGT 3'
<i>Dgcr8</i>	5' CAAGTGAGCCTTTTGGTGCC 3'	5' GATGTGGTTAAAATACTCCAGTTCT 3'
<i>Dnmt1</i>	5' AAGGACACGAGACATACTGC 3'	5' TGGGTTTCCGTTTAGTGGGG 3'
<i>Dnmt3a</i>	5' GACGCCAAAGAAGTGTCTGC 3'	5' CTTGGCTATTCTGCCGTGCT 3'
<i>Dnmt3b</i>	5' TCCCCATCCATAGTGCCTT 3'	5' TAATGCACTCCTCATACCCGC 3'
<i>Drosha</i>	5' CTCTGTAGAGACTGTGAATCCTGC 3'	5' GCTACATCTTCCGCTCACGA 3'
<i>Gapdh</i>	5' CGACTTCAACAGCAACTCCCACTTCC 3'	5' TGGGTGGTCCAGGGTTTCTTACTCCTT 3'
<i>Hdac1</i>	5' TTCCTGCGTTCTATTGCCCC 3'	5' AAGCCATCAAACACCGGACA 3'
<i>Hdac2</i>	5' TACAGTCAAGGAGGCGGCAA 3'	5' GGGATGACCCTGGCCATAATAA 3'
<i>Hdac3</i>	5' TCAGCCCCACCAATATGCAG 3'	5' TGTAACGGGAGCAGAACTCG 3'
<i>Nqo1</i>	5' GGTAGCGGCTCCATGTACTC 3'	5' CATCCTTCCAGGATCTGCAT 3'
<i>Nfe2l2</i>	5' CCCGAAGCACCTGAAGGCA 3'	5' CCAGGCGGTGGGTCTCCGTA 3'
<i>Sirt1</i>	5' GACAGAACGTCACACGCCAG 3'	5' AGCTCAGGTGGAGGAATTGT 3'
<i>Tarbp2</i>	5' GACCTTCTCAAAGCCGAGGG 3'	5' GAAAAAGAACTGCTGTCTCTCA 3'

Suppl. Table 4. List of antibodies used in this study.

Antibody	Source	Catalog Number	Dilution
β-ACTIN (C4)	Santa Cruz Biotechnologies	sc-47778	1:1000
β-TUBULIN (TUB2.1)	SIGMA	T4026	1:3000
DGCR8	proteintech	60084-1-Ig	1:1000
DICER1 (F-10)	Santa Cruz Biotechnologies	sc-136979	1:1000
DNMT1	EPIGENTEK	60B122.1	1:1000
DNMT3a (H-295)	Santa Cruz Biotechnologies	sc-20703	1:500
DNMT3b (G-9)	Santa Cruz Biotechnologies	sc-376043	1:500
GAPDH (6C5)	Santa Cruz Biotechnologies	sc-32233	1:1000
HDAC1 (H-51)	Santa Cruz Biotechnologies	sc-7872	1:500
HDAC2 (C-8)	Santa Cruz Biotechnologies	sc-9959	1:500
NQO1	Abcam	ab2346	1:1000
DROSHA (C-7)	Santa Cruz Biotechnologies	sc-393591	1:500
SIRT1	Abcam	ab12193	1:2000
TARBP2	SIGMA	SAB1406507	1:500
VINCULIN (N3C1)	Gentex	GTX109749	1:1000