

Supplemental Data

Table 1. Primer List

Luciferase Constructs	
Construct	Primer Sequence
-2995/+88 Fwd	5' -AATAG <u>GGTACCCTGGCTGTCC</u> TGAAACTC- 3'
-976/+88 Fwd	5' -AGCAG <u>GTACCAGGGATGGAGTTCAGGTC</u> - 3'
-754/+88 Fwd	5' -AGAGC <u>GGTACCACGAGTAGGTAGTGCC</u> TTG- 3'
-476/+88 Fwd	5' -ACCAG <u>GTACCGCAACAAACCACGATGT</u> - 3'
-224/+88 Fwd	5' -TATAG <u>GTACCCACCTTGGCCGAGGATG</u> C- 3'
-194/+88 Fwd	5' -AAAAG <u>GTACCAGGGGGCGCACGGAG</u> - 3'
-182/+88 Fwd	5' -AAAAG <u>GTACCGGAGCTTTGGGCG</u> - 3'
-160/+88 Fwd	5' -AACG <u>GGTACCTTTCACGTGACGTGG</u> - 3'
-144/+88 Fwd	5' -AAAG <u>GTACCATTTCCTAGTCGGCCCAG</u> - 3'
-113/+88 Fwd	5' -AGTAG <u>GTACCCTGGCATCACCCGGAG</u> - 3'
-88/+88 Fwd	5' -ATTAG <u>GTACCTCAGAGGCGGGCGGGGCGAA</u> - 3'
-57/+88 Fwd	5' -ATTAG <u>GTACCTGGGGAGGTTGGGGCT</u> - 3'
-15/+88 Fwd	5' -AAAAG <u>GTACCTCCGCCTGCGCCTAGACTC</u> - 3'
Rev	5' -ATTAG <u>ATATCCAGGGCTGGGGTTCGAGC</u> - 3'
Luciferase Construct with Mutation on HREs	
ΔHRE 1 Fwd	5' -CACCAGGGGGCGCACG-3'
ΔHRE 1 Rev	5' -CATGCATCCTCGGCCAAGG-3'
ΔHRE 2 Fwd	5' -ACGTGGACCATTTCCTAGTCGG-3'

ΔHRE 2 Rev	5'-TGAAAGGGAGCGCGCG-3'
ΔHRE 3 Fwd	5'-GACCATTTCCCTAGTCGGCCC-3'
ΔHRE 3 Rev	5'-TCACGTGAAAGGGAGCGCG-3'
qRT-PCR	
18S Fwd	5'-TCCAAGGAAGGCAGCAGGC-3'
18S Rev	5'-TACCTGGTTGATCCTGCCA-3'
Atp7a Comm Fwd	5'-TGAACAGTCATCACCTTCATCGTC-3'
Atp7a Comm Rev	5'-TGCATCTTGTTGGACTCCTGAAAG-3'
ChIP Assay	
Atp7a Fwd	5'-TGCTAGGGCCTAACCCACCTTG-3'
Atp7a Rev	5'-AAGCTGGGCCGACTAGGGAAAT-3'
Ankrd37 Fwd	5'-CTTGCAGACAGAAGCCCCAGTACA-3'
Ankrd37 Rev	5'-GGTTGATATCCTGGCCTTTGAGCT-3'
Dmt1 Fwd	5'-CTCTGCTTTGAAGTCTCCTAGTCC-3'
Dmt1 Rev	5'-TGAGATTTTCATTTATGTGCCATTC-3'
Negative Control Fwd	5'-AGCCTGGCTTTGATGGATGATTTT-3'
Negative Control Rev	5'-TTTAGTCACCTCCCAACTCCAGGAAT-3'