

Figure S1

DICER1 promoter sequence:

-2700 CTTATCTCC TTTGC **CATGA GCAAGTGGAA ACGTGACCAT G**ACATGGTAG
P53RE

-2650 GGTCGCAAGT GAGAGACTGT CTACGAAATA TCTACTTTCT CAAATGAAAC
-2600 AAGCACCTCA CATGTCAGAT AGTGGTAGAG AATAAACAT CCCAACGCCA
-2550 TAAAAGTCAC CCTCTCTAGA AGATAGCACT ACAAGTACTG GACAACCCAC
-2500 TATATGACAA AATCACTGTC AAATAAGAAT CATGAGCCAC ATCAAAAAGAC
-2450 AATGTCTTCT AAAACCAAGA CAATAAAGCT CAATAATAGC AAAACAACCT
-2400 AGTACCCAA CTCACACATT GAGCCACGGG CAAAATACAG CAGAGCAGTC
-2350 AGGGCTTACC CTTCAAACAT GAGATGGAAG CATAAAAAGT AAAGCAGGCC
-2300 CTTACTAAAA AGGATTGTAG GAAAATGT **CT TTTCTCCC**CA AATTAAATG
E2F

-2250 GACTAACTGT TCTCTTCTTA AAACAGCATT TTGGTGCCGT GAGTAAATCT
-2200 ATAAACCTAT GTTACCATGA TCAATGTTTA TAGTGACCAT GTTAAAAGCA
-2150 ATCTTTAGTT TTTTGTTTTT TTATCTATTG AGTTTT **ATGG AATATGCC**CT
C/EBP β

-2100 AAAATG **AAGT TTTGAAATAA** TTGTGTATGT ATGTGCATGT ACACAGCACA
C/EBP β

-2050 TATTACATAT AATACACACG TGCCACAGGT AGCTTTAAAG TAGACTTTGC
-2000 AAAATAAACT GGCTATTCCA GAACCTAATT TCCAAAGATA TCAATAATAT
-1950 TGAAAATTAC TATTCTCTAG GACCTGGCTT ATCCCGAACC CATCTTTTAA
-1900 TAAACTGAGT TTTTGGTGA GGATGTATAT TTTTATTTAG AAAACTTAAC
-1850 GTTTACA **CCA AT**ACATATT **C AAGATAGCTA ACCTG**TTTAA ACAGCACATT
NF-Y P63RE

-1800 TTTAACAATA TTTTCCGAGT TGCTTAAATC CTAACCTGAG TCCTTTTCCA
-1750 CTGTTTGAAA ACAAGCACCA CGAAGACACC TGACAATCAG GATTGTAAAG
-1700 ATTCAGAATA TTCGAAGACA GAAGCATAGG CGTCCAAGTG ATCCTCTTTC
-1650 AT **CAAGTGAA TGTTTTTAA ACCTG**AAAGT CCTAAGAACA CTTACTTATC
P63RE

-1600 GTGTAGACAA GTAACGTGTC CCTTTAACCA CAACTCTCTC CACAAAAGCA

-1550 CGGAGTTAAC ACTACACAAA TAGGACCCTC CAACTCATCT **CATGTTTC**
-1500 **GCGGATCTTC AGG**TTCTTAA GGACACACTC AGTGGTTTG **C TGGCTCTGAC**
P53RE P63RE

-1450 **CTCCAGG**CAG AGCCATCAGG GCAACTCAG CTTTTCTGGAC AATCTACAGA
-1400 AATC **TGATGT GCTAAC**TTAA AACATACACT GATTTCCCCA AAATCAAAAA
STAT

-1350 **CCTGAAGAA AGGGTCTCC GCAGG**GTCTA GGCATTTTGG CACAAAAACA
P63RE

-1300 TCTGAGGGGA GAGGCAAAAG AATGGCCTCG GCC **CCTGCC GCCCCCAGG**
P63RE

-1250 GCC **CCAAT****C** **CT GGTCCCCTGC AAG**TAATCAC ACAGGACCCT CCCGGGAGG
NF-Y P63RE

-1200 ACCGAGAGCC CAGCTTCGTC CCCTCCGGGC GCGGCACAGC GGCCCCATCA
-1150 GAGGAGGGCC **CATGGTGCT CCGGCAGGTC AGG**CGCGGT CTCCACCTCC
P53RE

-1100 GCTGCTCCCG CGCCACCTTA GCGCGGTGA CGGGA **CCTGT CAAGAGCCCC**
P63RE

-1050 **AGG**CCTC **GCC AGCCGGGGA GTGGACATG**C GCCGGCATCC CCCACCACGC
p300/P53RE

-1000 CACGGCGGCC CGGAAAGTCT CCCAGGGCTG CCTCGCGGGG AGGCGCCGGG
-950 GTCCGGGCCC AGGAGCAGAG CCGAGGCGGG CAGACGCCGG GTCCACAGGC
-900 CGCGCTGGGC GGGACGACGA GGCAGGCGAG GCCGCGCCCT TCGTCAGCGC
-850 CCGC **CAGGCC CGGACGCGCG GCTGG**CGGCC ATGGCCGGCA CGCGGCCTC
P63RE

-800 CGCGCGGAGG CGGGAGCGCG GCCAGGCGAC CCGTGCCCCG CCCCAGCAC
-750 AAAGCTGCTC CGCGGGAGCC CGCCTCACCT GCAGCACGGG GCGCCGCGGG

-700 CCTTCGAGAA CCATCGGACC CCGCTCCGGC GCGCGCGTGA CAGCCCAGGC

-650 C **TCCCGGAG**C CGCCCGGCGC CGCCGCCCCC GCCG **CCAAT**T CCTCGCGCTC
STAT **NF-Y**

-600 GCCGTCGCCT CGTCCCCGCT GT **CAGGTTAC TCCATTACCC TGG**GCCTGCA
P63RE

-550 GCAGCCTGCG CCGCGCCTCC GCCTCGACCC CTCCCGCCGG CGCCTGCGGA

-500 GACTGCGCAG CGCCCGGCTG GCCGGCAGCC AGCGCACGGC CCGCGGCAAC

-450 GGC GCA **CAGC CGCTTGGAGA A**TCCCACTGG CTCCCGCACC GCCCCTCCGC
p300

-400 GCCCCACGC TCCGCTCGCC CCGTGGCGGC ATGAGAGCGA G **CCTGTGATT**
P63RE

-350 **GGACAGG**GCC TGGCGGTGAA AGGTTAATCC CGGCCCCCA GCCACTCAGG

-300 AGCAGGGAGA CAGCGGGCGC GCGCGCGGAG GCCGGA **CAGG CGTTTGGGG**
P63RE

-250 **CCAGCGCCTG** GACTGGACCT TGGCGTTGGG CCGCAGTTGC CCGGAGT **TTT**

-200 **TGGGGC**CCCC GGAACCCGC GCGCCGAGGC CGGCTAAGTT TGGCAGACTC
E2F

-150 TCTGAGCTCT CGGAATTCGA CTGCCTCCAT TGTTGCTCCT TCTGGCACCC

-100 ACAGACCGTA ACGTGGCCGT AATTGTTTCC CGGAGAGCTT AGCTTCCCTC

-50 TGAGCACCTC CCTCCCCTTT TTAAAGTACC TTCCCACTCG **CCTGCGTTTC**
P63RE

+1 **CTCG**CGTTAG TGGTGCAGGG GCCTCCGCAT TTGGGGAAAT AACAAACACC

Specific region primers:

CCAAT element #1, sense primer, (-1892) 5'-GTTTTTTGGTGAGGATGTAT-3'(1873), antisense primer, (1210) 5'-CCCGGGAGGGACCGAGAGCC-3'(-1191); CCAAT element #2, sense primer, (-1421) 5'-CTTTTCTGGACAATCTACA-3' (1402), antisense primer, (740) 5'-CGCGGGAGCCCGCCTCACC-3' (-721) yielding the 700 bp PCR fragment.

Non-specific region primers:

Sense primer, (-2639) 5'-AGAGACTGTCTACGAAATA-3'(2620), antisense primer, (2320) 5'-CATAAAAAGTAAAGCAGGCC -3'(-2301) yielding the 339 bp PCR fragment.