



Appendix A Effect of miR-34c on porcine GCs apoptosis and proliferation. (A) The Annexin V-FITC assay revealed the apoptosis rate of GCs to be induced with miR-34c mimics and (B) significantly decreased with miR-34c inhibitor compared with NCs. (C) The EdU assay showed that the proliferation rate of GCs was reduced with miR-34c mimics and (D) significantly increased with miR-34c inhibitor compared with inhibitor NC.

Appendix B. Primers and oligonucleotides.

Gene	Primer or oligo (5'-3')
p53-siRNA	CCACCAUCCACUACAACUU dTdT dTdT GGUGGUAGGUGAUGUUGAA
p65-siRNA	CCAUCAACUUUGACGAGUU dTdT dTdT GGUAGUUGAAACUGCUCAA
p50-siRNA	GGUAUACUUCAUGUGACAA dTdT dTdT CCAUAUGAAGUACACUGUU
P7(full length)	F:GGGGTACCAGTATAAAATGAGAAAAACT
P6	F:GGGGTACCGGGAAATGTACCCCATATAA
P5	F:GGGGTACCGGACAAATCAACAGCAACCC
P4	F:GGGGTACCTTATGGCTTGATCAAGACGA
P3	F:GGGGTACCTTGAACCAAAAAGGTGCTG
P2	F:GGGGTACCAGGTCTCCCAAAATGCTAAC
P1	F:GGGGTACCAGAGTGCTGATGGCCTTGAT
PA	F:GGGGTACCTTGGTTTCCTCCTAACGACC
PB	F:GGGGTACCTGCCAGAAATTAATACAA
PC	F:GGGGTACCGTGCCGTCTAAAACAAATGC

PD	F:GGGGT <u>ACCCG</u> AGCATTCTTACTTAGATT
PE	F:GGGGT <u>ACCGG</u> TCTCCAGGCATGTCTAGA
Common reverse primer	R:GAAGATCTCAAACCCTAGAGCCGGCTTT
p53-CDS	F:GGGGT <u>ACCAT</u> GAGGAGTCGCAGTCCGA
	R:CCA <u>AGCTT</u> TCAGTCTGAGTCAGGTCCTT
p50-CDS	F:CTAGCTAGCATGTTTCATTTGGATCCTTT
	R:GGGGTACCCTAAATTTTGCCTTCTAGAG
p65-CDS	F:CTAGCTAGCATGGACGACCTCTTCCCCC
	R:GGGGT <u>ACCT</u> TAGGAGCTGATCTGACTCAGAAGG
△p53	F:ATCGAT <u>AGGTACCC</u> GAGCATTCTTACTTAGATTA
	AGTCATGGGTCTCCCTGGTCT
	R1:CTTACTTAGATTAAGTCATGGGTCTCCCTGGTCT
	CCCATAAAGAGAATGAGATCCTTGGAGT
	R2:CTTAGATCGC <u>AGATCT</u> CAAACCCTAGAGCCGGCTTTCT
△NFκB	F:ATCGAT <u>AGGTACCC</u> GAGCATTCTTACTTAGATTAAGT
	CATGGGTCTCCCTGGTCTCCAGGCATGTCT
	R1:GTCTCCCTGGTCTCCAGGCATGTCTAGACATGAACCAT
	AAAGAGAATGAGATCCTTAGTAACTGCAGGACAAATCAACAG
	R2:CTTAGATCGC <u>AGATCT</u> CAAACCCTAGAGCCGGCTTTCT
qRT-PCR-p53	F:TCGTCCTTTGTCCTTCTCAG
	R:CACCACCTCGGTCATGACTCT
qRT-PCR-p65	F:CGCGGGGACTACGACCTGAATG
	R:GGGGGCACGGTTGTCAAAGATG
qRT-PCR-p50	F:GGGACCGGCAGCTCACAGAT
	R:GGGCTTTGCTGTCATAGATGGC
qRT-PCR-GAPDH	F:ACGCCTGCCCTGTGTCCCAA
	R:GAAGCACGCCCTCTCGCCTC
qRT-PCR-miR-34c	F:ACACTCCAGCTGGGAGGCAGTGTAGTTAGCTG
	R:CTCAACTGGTGTCGTGGA
qRT-PCR-U6	F:CTCGCTTCGGCAGCACA
	F:CTCGCTTCGGCAGCACA
5'RACE-Adaptor-Inner	CGCGGATCCACAGCCTACTGATGATCAGTCGATG
5'RACE-Adaptor-Outer	CATGGCTACATGCTGACAGCCTA
5'RACE-GSP-Inner	TTAGTGATTGGTTTTATCAGCAATC
5'RACE-GSP-Outer	CCAAATCTTTTTACCTGGCCGTG
CHIP-PCR	F:TTAAGTCATGGGTCTCCC
	R:CTTAGGGTTGCTGTTGAT

Underlined text represents restriction enzyme site. Mutated nucleotides are marked in italics.