



Supplementary Table S1. GapmeR sequences and the 19-mer target sequence of siRNAs

Name	Sequence (5'-3')
GapmeR negative control A	AACACGTCTATACGC
GapmeR-1 UPK1A-AS1	AGCAGACCTTCCTAAC
GapmeR-2 UPK1A-AS1	AACAGCACTGTCAAGG
HIF-1 α siRNA-2210	CCAGCAGACTCAAATACAA
UPK1A siRNA-916	CCCTTACGTCCTTCCACTT
UPK1A siRNA-1005	GCACATATCCTTAGCCCAT

Supplementary Table S2. Primers used for qRT-PCR

Name	Sequence (5'-3')
β -Actin	Forward: TCCTGGAGAAGAGCTACGA Reverse: AGGAAGGAAGGCTGGAAGAG
AC093818	Forward: AAAAGGCCCAAGGTCCC Probe: CCGCTCCATGAAGCAGTTCCT Reverse: CAGGTGGACTTCTACGCG
BIRC5	Forward: TGAGGAAACTGCGGAGAAAG Reverse: GGTGGCACCAGGGAATAAA
HOTTIP	Forward: GAAACGAAGCGCTCAGTAAGA Reverse: TCCCTCTCCCAACCCATAAA
HOXA13	Forward: AGCGTCTGCTCAGGTAAATC Reverse: TCTCTCCCTTTCTCCCTTCA
HRAT	Forward: GACACTCACGCATCAACTCT Reverse: GTGGGCTCCTGTGCTATT
MALAT	Forward: GAATTGCGTCATTTAAAGCCTAG Reverse: GTTTCATCCTACCACTCCCAATT
PDGFA	Forward: GGACAGTGCACGGTATT Reverse: GGAGAAACACAAAGCCAGAAAC
PDK1	Forward: GGAGGAGTTCTGCCATCTTT Reverse: GGTGGCTGGTTCTGTGATTA
SLC2A1	Forward: CTCCTGCCCTGTTGTGTATAG Reverse: CAGGAGTGAGGTGGTGATTT
SLC2A1-AS1	Forward: TGAGAGTATCCCACCCACTT Reverse: CTCATCTCCAGCTCTGTTTCTT
UPK1A	Forward: CCACCTCCCATTACAGATAC Reverse: GAGGCTTCCAGAGCTCAAAT
UPK1A-AS1	Forward: CACAGAGGAGATGCTTGGTC Reverse: CCTGGCCCATTTGTAATGTTTAT
UPK-ds	Forward: AGCCGACCAGTACCGTGTAT Reverse: AAGGAGAAGCCGAGAAGAT
UPK-ds-primer	ACCCACACCAAACTGGCTA
UPK-ss-primer	ATATGCTTAGCCCCGTGCTG