

Table S4. The sequences of primer, siRNA, sgRNA, miRNA mimic and inhibitor and DNA constructs used in this study

PX458-miR3662-sgRNA-1	forward, 5'-CACCAAAAATCAGCCAAACTCTGT-3'
	reverse, 5'- AAACACAGAGTTTGGCTGATTTGT-3'
PX458-miR3662-sgRNA-2	forward, 5'-CACCCATCATTTTTCAATATGAA-3'
	reverse, 5'-AAACTTCATATTGAAAATGATGAG-3'
miR3662-DNA-test	forward, 5'-GTCACCTTATGTTTAGGGTG-3'
	reverse, 5'-CACCTCGATATCAAACCATA-3'
pSLQ2837-gRNA1	GAGAACCACCTTGTGgactgagtgtacatgtcccatGTTTAAGAGCTAAGCTGGAAACAG
pSLQ2837-gRNA2	GAGAACCACCTTGTGgcaatcaagaactatccacagGTTTAAGAGCTAAGCTGGAAACAG
pSLQ2837-gRNA3	GAGAACCACCTTGTGggaacagtgtacatgattgGTTTAAGAGCTAAGCTGGAAACAG
RNU6B	forward, 5'-CCCTGACACGCAAATTCGTGAAG-3'
	reverse, miScript SYBR Green PCR kits Universal Primer
hsa-mir16-5p	forward, 5'-CCCTAGCAGCACGTAAATATTGGCG-3'
	reverse, miScript SYBR Green PCR kits Universal Primer
HBP1	forward, 5'-CGACCAGTCCACAAAGTCCA-3'
	reverse, 5'- TCACTATTTGCCCTTTCGTGTC-3'
GAPDH	forward, 5'-CCCCTTCATTGACCTCAACTACAT-3'
	reverse, 5'-CGCTCCTGGAAGATGGTGA -3'
pmirGLO-HBP1-3'UTR-WT	forward, 5'-AAACTAGCGGCCGCTAGTAGCTAAAACATCAACATTTTAAT -3'
	reverse, 5'-CTAGATTAATAATGTTGATAGTTTTAGCTACTAGCGGCCGCTAGTTT-3'
pmirGLO-HBP1-3'UTR-MUT	forward, 5'-AAACTAGCGGCCGCTAGTAGCTAAAACATCAAAAAT-3'
	reverse, 5'-CTAGATTTTGTAGTTTTAGCTACTAGCGGCCGCTAGTTT -3'
miR-3662-mimics	Sense 5'-GAAAAUGAUGAGUAGUGACUGAUG-3'
miR-3662-inhibitor	Sense 5'-CAUCAGUCACUACUCAUCAUUUUUC-3'
miRNA negative control	Sense 5'-UUCUCCGAACGUGUCACGUTT-3'
<i>HBP1</i> siRNA-1	AAUUUAAAAAAAAUAUGUAACCTT
	GUUACAUUUUUUUUAAAUUTTGG
<i>HBP1</i> siRNA-2	GCCAAGAGGCUACCAGAACTT
	GUUCUGGUAGCCUCUUGGCTTGU
PX458 vector	pSpCas9(BB)-2A-GFP
pSLQ2837 vector	pLenti U6-spsgTRE3G CMV-mIFP

pSLQ1922 vector	KRAB-Spdcas9,PiggyBac-Tre3g-KRAB-dcas9(Bstx1)-2NLS-p2A-sfGFP-SV40polyA/R (EF1a-Zeocin-f2A-rtTA-1)
pSLQ1932 vector	VPR-Spdcas9,PiggyBac-Tre3g-dcas9-VRP- sfGFP- SV40polyA/R (EF1a-Zeocin-f2A-rtTA-1)