

Supplementary Data File 1. List of oligonucleotides used in PCR/qPCR and for the gene editing of human and mouse ID4 by CRISPR/Cas9

RT-qPCR	Sequence
VEGF121	
Ex3_F	5' -CCCACTGAGGAGTCCAACAT-3'
Ex5-8_R	5' -CCTCGGCTTGTACATTTTTCTTGTC-3'
Ex4_probe_FAM	5' -AAGGCCAGCACATAGGAGAGAT-3'
VEGF165	
Ex7_F	5' -CGCAGACGTGTAAATGTTTCCT-3'
Ex8_R	5' -GCCTCGGCTTGTACATC-3'
Ex7_probe_FAM	5' -CAAGGCGAGGCAGCTTGAGTTAAA-3'
Circular VEGFA	
Ex7_div_F	5' -CGCAGACGTGTAAATGTTTCCT-3'
Ex7_div_R	5' -AGGAACATTTACACGTCTGCG-3'
Ex7_div_F2	5' -AAACACAGACTCGCGTTGC-3'
Ex7_div_R2	5' -CAAATGCTTTCCTCCGCTCTG-3'
circ_0076611 Taqman probe	/5'6-FAM/AA CGT ACT T/ZEN/G CAG TCC CTG T/3'IABkFQ/
VEGFA	
Ex7_conv_F	5' -GAGCGGAGAAAGCATTTGTT-3'
Ex7_conv_R	5' -GCGAGTCTGTGTTTTTGCAG-3'
5'UTR_F	5' -GTCGAGGAAGAGAGACGG-3'
5'UTR_R	5' -CCCAAAGCAGGTCCTCAC-3'
ID4	
For	5' -GTGCGATATGAACGACTGCT-3'
Rev	5' -CAGGATCTCCACTTTGCTGA-3'
MALAT1	
For	5' -GGGAAGGCGAAGAAAAGAAT-3'
Rev	5' -TGCCCTTAGCTTTTTGTTTCC-3'
PTBP1	
For	5' -GCTGCACCTCTCCAACATCC-3'
Rev	5' -GTCGTGGTTGTGCAGGTCAA-3'
c-MYC	
Ex2_F	5' -AGCTGCTTAGACGCTGGATT-3'
Ex2_R	5' -AAGTTCCTCCTCGTCGC-3'
5'UTR_F	5' -CATCCACGAAACTTTGCCCA-3'
5'UTR_R	5' -GCTCGGGTGTGTAAGTTCC-3'
CXCL16	
Ex3_F	5' -CTTTCCTGGAGCGTGTGTG-3'
Ex4_R	5' -GTAAATGCTTCTGGTGGGCC-3'
CXCL1	

Ex1_F	5' -CTCTTCCGCTCCTCTCACAG-3'
Ex2_R	5' -GGGGACTTCACGTTCACT-3'
18S	
For	5' -AGCATTTGCCAAGAATGTTTTTC-3'
Rev	5' -CGTCTTCGAACCTCCGACTT-3'
28S	
Fw	5' -GTTACCCACTAATAGGGAACG-3'
Rev	5' -GGATTCTGACTTAGAGGCGTT-3'
5.8S	
For	5' -GACTCTTAGCGGTGGATCACTC-3'
Rev	5' -GACGCTCAGACAGGCGTAG-3'
BRD4	
Ex7_F	5' -ACGTCCGATTGATGTTCTCC-3'
Ex8_R1	5' -AAAGCGCATTTTGAACACAT-3'
Ex8_F	5' -CGATAGCTCCTCGGACAGTG-3'
Ex8_R2	5' -CGCTCCTCCTCAGAGTCATC-3'
CCNB2	
For	5' -TGCAAATCGAGGACATTGA-3'
Rev	5' -TGTGGGTTTATGGACTGCAA-3'
5' UTR_F	5' -TGTCCCTCCCTTTTCAGTCCG-3'
5' UTR_R	5' -GACGGGAAGGCAAGAGT-3'
NFYB	
For	5' -GTTTGCGGTCCCTGTACTTG-3'
Rev	5' -GAACCGTGTGTCAGTGGTG-3'
GAPDH	
For	5' -GAGTCAACGGATTTGGTCGT-3'
Rev	5' -GACAAGCTTCCCCTTCTCAG-3'
RPL19	
For	5' -CGGAAGGGCAGGCACAT-3'
Rev	5' -GGCGAAAATCCTCATTCTC-3'
CRISPR-Cas9 oligonucleotides	Sequence
<i>Human</i>	
Hs.Cas9.ID4.1.AA	5' -GCACGTTATCGACTACATCC-3' ; PAM: TGG
Hs.Cas9.ID4.1.AD	5' -TGTAGTCGATAACGTGCTGC-3' ; PAM: AGG
<i>Mouse</i>	
Hs.Cas9.ID4.1.AA	5' -GCACGTTATCGACTACATCC-3' ; PAM: TGG
Mm.Cas9.ID4.1.AB	5' -GAGCACGGCCACAGCCTGGG-3' ; PAM: TGG

Pull-down	Sequence
Bio_circ_0076611	CAGGGACTGCAAGTAC/3BioTEG/
Bio_LacZ_1	GTCATATGCATAAAGCGTTG/3BioTEG/
Bio_LacZ_2	TTAACGCCGCAGTGGTAGAA/3BioTEG/