Table S1. Primers sequences.

Gene	Sequence (5'-3')	Product length (bp)	Method
PHD1	F: CCAAGGTAAGGCTAGGTGGG R: ATTAAGGCCCGTAGGGAGGA	194	RT-PCR
PHD2	F: CCTGCGACTGAAACTGCCTA R: GTGAACGGGCAGTAAGTGGA	164	RT-PCR
PHD3	F: CCTCTTACGCAACCAGATATG R:AGCACGGTCAGTCTTCAG	129	RT-PCR
HIF1A	F: AGAGGTTGAGGGACGGAGAT R: CAACATGAAATGTCCTGCGT	200	RT-PCR
PBGD	F: GCCAAGGACCAGGACATC R: TCAGGTACAGTTGCCCATC	160	RT-PCR
SDHA	F: GTGCCTGAGAACGAATGGAGA R: TGACAGGTGGTGTTCACAGA	302	RT-PCR
CA9	F: GGCTACAGCTGAACTTCCGA R: AATTCAGCTGGACTGGCTCA	114	RT-PCR
VEGF	F: ACATCACCATGCAGATTATGCG R: CTCCAGGGCATTAGACAGCA	229	RT-PCR
PHD1.1	F: GTGTGGTTATGAATTTTGTGTG R: CTACACCAATCCCCTACAAAC	142	MS-HRM
PHD1.2	F: CGGGTAGGTTTGTTTATGTAA R: ACACGAAATTCATTTACATCC	165	MS-HRM
PHD2.1	F: GGGAGTTTGATTTTTGGATTT R: AATCATAACTACTCTTCCTCC	177	MS-HRM

PHD2.2	F: TTAGCGTTAGGATTGGAAGAAG R: ACCTTCCTAAACTCCCGAAC	150	MS-HRM
PHD2.3	F:GGGGTTCGGGAGTTTAGGAAGGTAG R: CCGAAAACTTAACCTTTACTTTTCCCTTAAC	88	MS-HRM
PHD3.1	F: CGTGGTAGTCGTAGGTTTTTG R: TCTCCAAATCCAACCTCATAAT	159	MS-HRM
PHD3.2	F: GTTGGATTTGGAGAAAATTG R: ACCCCGATACAATACAACTAC	141	MS-HRM
PHD3.3	F: TTGTATGTCGATTTTTTAGGGT R: ACCTAAACCCCTTAACGTTAAC	139	MS-HRM
HIF1A.1	F: AGATTAAAGGAAGGGTTTGTTGTTA R: AAATATGATGTATGTTTGGGATTAGGT	171	MS-HRM
HIF1A.2	F: GTTGGGTTTTGATAAGTTATTTGAG R:AAAACAAATCCAAAAATAAAAATAC	127	MS-HRM

RT-qPCR- real-time quantitative polymerase chain reaction **MS-HRM-** Methylation sensitive high resolution melting analysis