

Table S3. Primers, probes and expression assays used in the study

Applied Biosystems-recommended expression assays				
No	Gene name	Assay ID		
1	ZNF14	Hs00221420_m1		
2	ZNF71	Hs01934418_s1		
3	ZNF160	Hs00369142_m1		
4	ZNF420	Hs01557830_m1		
5	ZNF585B	Hs04189951_m1		
6	GAPDH	Hs02758991_g1		
7	18S	Hs99999901_s1		
Quantitative Methylation-specific PCR (QMSP) primers and probes				
No	Gene name	Forward Primer	Reverse Primer	Probe
1	ZNF14	GGATATCGTGATTTTCGGACGTTG	CGACTACGAATCCAACCTCCACAA	6FAM/AAACCGAACTACGCCCGGATAACC/TAMRA
2	ZNF160	GAAATCGTTTGAATATTTACGTCGTT	AACGAACTAAACGAAACACGTTA	6FAM/ACGATTTCTGATAATACCCACAACCAACGC/TAMRA
3	ZNF420	GGTATGGTGTTTCGGAGCGTT	CACGCGAAACCTCCAAATCT	6FAM/TAGAGGTATCGTTTTCGGAGCGTAGT/TAMRA
4	β -actin	TGGTGATGGAGGAGGTTTAGTAAGT	AACCAATAAAACCTACTCCTCCCTTAA	6FAM/ACCACCACCAACACACAATAACAAACACA/TAMRA
Bisulfite sequencing PCR primers				
No	Gene name	Forward Primer	Reverse Primer	
1	ADFP (PLIN2)	GATTTTAGGTAGGGTATTTTAATTTTA	CCAAACAAACCAAAAAACATTC	
2	CCND2	GGGTTGGTTATGGAGTTGTTG	AACATCCAAATAACCACTTCTAC	
3	CHFR	GGATTGTGTGATTATTGTGTGTAAT	ACCATCTTTAATCCTAACCAAC	
4	CLGN	GATTTGTAGGGGGAATTTTTTTT	AAAACCCAATCAAAACCCCTAACT	
5	ENPP5	GGGGGTAATTTAGGTAGAAAGTGATTAT	AATTATATTCCTCAATCCCAATCAT	
6	FLJ22688 (FUZ)	GGTTTTTGGTTTTTTTATTTTTT	TCCAAAACCCACCTACTAAC	
7	GLOXD1 (HPDL)	GTAGTTATTGTGAGTTTTGGGTTG	ACCTAACTTATCCTTCTAAACCC	
8	HAAO	TTTTAGATGGGAAAGTTAAATTTTGA	AAAAATCCAAACCTTCTCTAAC	
9	HHEX	GATTGGTTTTTTGTATTTGTAGG	ACACAAACCTATTAAACCAATCCA	
10	ICA1	GGGTTGTAGGAAGTAGTAGAGA	CTTATCAACAAATCAACCCTAAC	
11	IDUA	GTTTTATTAGGAGGTTGGGGTG	CAAAAACCTATACTCCTCAAAAAC	
12	ITPKB	GGTTGTTTGGATAGTTAATGTTTGT	CCTACAAAACCCAAAAAAACCC	
13	MEF2C	AAGAGTGAAATTGATGATTTTTTAGTT	ATACTTCTCCACCTAATTCAAACATACA	
14	PIP5K1B	GGGGTTTGTAGTTTTTTAGT	CAACAAAAATACAAAACCCCTAAC	
15	RBP5	TGGGGAGAAAGAAGTTAGAAGTTAG	CCTCCTTAAATCCCAAAACCT	
16	RECK	TTGAGGTTTTGGTTTGTATTAT	AAAACAAAAATTTCTCTCTCAAAC	
17	VILL	TTTGGGGAAGTTTGTGAGA	ACTTACCCCATTCAAAAATATAAAC	
18	ZNF14	GTTATTGGATTGTGTTAATTAGGA	AAATTAACACAAAAAAATCCCC	
19	ZNF141	GAGTTTGGGAGGGAGATATATTT	TCCTCACAAAACCTAATTAAATACACA	
20	ZNF160	AGAGGAAAGTAGTTTGGTTTTTAAATAAT	AACAAAAACCCCAAAAAAA	
21	ZNF211	TGAAAATTTAAGATAGGGGTATTTT	CTCTCACTTAAACTTAAAAATCTC	
22	ZNF420	GGGATAAGTAGGTTTATAGGT	AAAATCCAAATCTAACTCCC	
23	ZNF585B	TGGGTTGAAATTGGTTTTTAAGT	TAACCTAACCTACAAACCTCAATC	
24	ZNF71	GTTTTTGTGAGATGGAGGAGTTTA	CTACCTATCTCTACACAAACCAC	