

Supplementary Table 4.

A) Gene specific primers used for q-PCR

Gene	Primer sequence (5'-3')	
	Forward	Reverse
GAPDH	GAGTCAACGGATTTGGTCGT	TTGATTTTGGAGGGATCTCG
AOX1	ATGCCTGTCTGATTCCCCTCT	CATGACACTTGGCAATCCTCT
EZH2	TTACTGCTGGCACCGTCTGATGTG	TGTCTGCTTCATCCTGAGAAATAA TCTCC
SNAIL	AAGATGCACATCCGAAGCCA	CTCTTGGTGCTTGTGGAGCA
E-CADHERIN	CGAGAGCTACACGTTACGG	GGGTGTCGAGGGGAAAAATAGG
N-CADHERIN	TGAGCCTGAAGCCAACCTTA	AGGTCCCCTGGAGTTTTCTG
VIMENTIN	AGCTAACCAACGACAAGCC	TCCACTTTGCGTTCAAGGTC

B) Bisulfite sequencing primers

	Primer sequence (5'-3')
AOX1/F1:	GGAGGTTTTGGGAAGTA
AOX1/Rbio1	AAAAATTCCTAACAAAAAATC
AOX1/S1	GGGTATTTGGGATT

C) ChIP primers

	Primer sequence (5'-3')
AOX ChIP F	CTACTTCCCAGAACCTCCGC
AOX ChIP R	CACGAAAGGATGGGACGAAC

D) shRNA sequences

	Primer sequence (5'-3')
EZH2 sh1	CCGGCCCAACATAGATGGACCAAATCTCGAGATTGTTCCATCTATGT TGGGTTTTTG
EZH2 sh2	CCGGTATTGCCTTCTCACCAGCTGCCTCGAGGCAGCTGGTGAGAAGG CAATATTTTTG
AOX1 sh1	CCGGCCAGTTCACTATCCTAGCCTTCTCGAGAAGGCTAGGATAGTGAA CTGGTTTTTG
AOX1 sh2	CCGGCCACAGTAGAAGGCATAGGAACTCGAGTTCCTATGCCTTCTACT GTGGTTTTTG