

Supplemental table 1: qPCR Primers

Target	Source	Assay Type	Product Id/Reference	Forward	Reverse
<i>18S</i>	IDT	SYBR		AGGAATTCCCAGTAAGTGCG	GCCTCACTAAACCATCCAA
<i>ACTB</i>	Qiagen	SYBR	QT00095431		
<i>IGFBP1</i>	Qiagen	SYBR	QT00049427		
<i>PRL</i>	IDT	SYBR	Francis, MHR, 2006		
<i>DNMT1</i>	IDT	SYBR		TACCTGGACGACCCTGACCTC	CGTTGGCATCAAAGATGGACA
<i>DNMT3A</i>	IDT	SYBR		TATTGATGAGCGCACAAGAGAGC	GGGTGTTCCAGGGTAACATTGAG
<i>DNMT3B</i>	IDT	SYBR		GGCAAGTTCTCCGAGGTCTCTG	TGGTACATGGCTTTTCGATAGGA
<i>ESR1 promoter A (ChIP)</i>	IDT	SYBR		CCCCAGGGTCATCCTATGTA	CCGGCTTTCTCTAATGTGCT
<i>ESR1 promoter B (ChIP)</i>	IDT	SYBR		GACAGAGCTGGGTCATGTCA	GGCCTCCTAAGGACCACTC
<i>ESR1 promoter C (ChIP)</i>	IDT	SYBR		GAACAGGTAAGCCAAACATTGA	GGGAGATGTGGGTGATTTCT
<i>SF-1 promoter (ChIP)</i>	IDT	SYBR		AGAGCGCTGCTTCCGCTTCG	TGGCACCTTCCCTGCCCAGA
<i>SF-1 intron (ChIP)</i>	IDT	SYBR		GGACCACATGCCCTGCCACC	CGCAGGCTGCACGGGAGTTT

Supplemental table 2: antibodies used for immunoblotting and immunofluorescence

Target	Source	Conjugated	Product ID
<i>DNMT1</i>	Novus	No	NM100-264
<i>DNMT3A</i>	Santa Cruz Biotechnology	No	20703
<i>DNMT3B</i>	Imgenex	No	IMG-184A
<i>ACTB</i>	Sigma	No	A1978
Anti-rabbit (Donkey)	Jackson ImmunoResearch	HRP	711-035-152
Anti-mouse (Donkey)	Cell Signaling	HRP	7076
IgG (Mouse)	Sigma	No	I8765