

Table S1. List of primers used in this study.

	Gene	Primer sequence (5'-3')	Amplicon size (bp)
Analysis			
Relative expression	<i>HOXA10</i>	F: CTCGCCGGAGAAGGATTC R: TCACTTGTCTGTCCGTGAGG	90
	<i>IGFBP1</i>	F: TCCTTTGGGACGCCATCAGTAC R: GATGTCTCCTGTGCCTTGGCTA	133
	<i>ESR1</i>	F: CACCAACCAGTGCACCATTG R: AAGGTTGGCAGCTCTCATGTC	205
	<i>ESR2</i>	F: CCATGATCCTGTCTCAATTCC R: CTCTTGGCAATCACCCAAAC	127
	<i>PAX6</i>	F: AACGATAACATAACCAAGCGTGT R: GGTCTGCCCCGTTCAACATC	120
	<i>IRS1</i>	F: AGCATCAGTTTCCAGAAGCAG R: GCTGAGGTCATTTAGGTCTTCA	84
	<i>GAB1</i>	F: GGTGGTGAAGTGGTCTGCTC R: GAACCATCTCCTCTTCCATGCA	87
	<i>SLC2A4</i>	F: CGAGCAACTTCATCATTGGCAT R: ACCGCAAATAGAAGGAAGACGT	79
	<i>ACTB</i>	F: CTTCTGGGCATGGAGTC R: CGTACAGGTCTTTGCGGATG	89
	<i>HOXA10</i>	F: CGTCTCCTGGCCCATCAATA R: CCAATCCCGAGCCAGAGTTT	132
MeDIP (gene promoter)	<i>IGFBP1</i>	F: GCGCTGCCAATCATTAACCTC R: CAAGTGATGGTGGAGCGGTG	169
	<i>ESR1</i>	F: CTCGGGCTGTGCTCTTTTTC R: GTGTGGAGGGTCATGGTCAT	113
	<i>ESR2</i>	F: TCTGTGCGCCACTATCCTTG R: AGAGGGGAGTAGTGCCTGAG	141
	<i>PAX6</i>	F: TATTTTGTGTGAGAGCGAGCGG R: CTGAACCAGAGCGGGAAATGA	108

<i>GAB1</i>	F: GCTCGCGTTCTGTTCAAGTT R: AACCTAGCTCTCCTGGTCGC	119
<i>IRS1</i>	F: CCTCCAGCCCTGTTTGCATG R: CACGTCCGAGAAGCCATCG	147
<i>SLC2A4</i>	F: TCAGAGACTCCAGGATCGGTT R: CGGAGCCTATCTGTTGGAAGC	97
<i>LINE-1*</i>	F: TTCCCTTTCCGAGTCAAAGA R: CAATATTCGGGTGGGAGAGA	71
<i>H19*</i>	F: GAGCCGCACCAGATCTTCAG R: TGATCACAGTGTGTTCCACCAA	134
<i>GAPDH</i>	F: CCTTCCCCTAGTCCCCAGAAAC R: GCTCCTCTGCGACACGT	122

*Used as controls of global methylation (*LINE-1*, repeated sequence; *H19*, imprinted gene).