

Supplementary Information

Table S1. MethyLight Primer information.

Gene	Forward Primer Sequence (5'–3')	Reverse Primer Sequence (5'–3')	TaqMan Probe Sequence (5'-FAM; 3'-BHQ1)	References or Position Relative to Transcription Start Site
<i>APC</i>	GAACCAAAACGCTCCCAT	TTATATGTCGGTTACGTGCGTTTATAT	CCCGTCGAAAACCCGCCGATTA	[25]
<i>CDH13</i>	AATTCGTTTCGTTTGTGCGT	CTACCCGTACCGAACGATCC	AACGCAAAACGCGCCCGACA	[25]
<i>CDKN2A</i>	TGGAGTTTTCGTTGATTGGTT	AACAACGCCCGCACCTCCT	ACCCGACCCCGAACCGCG	[25]
<i>COL2A1</i>	TCTACAATTATAAACTCCAACCACCAA	GGGAAGATGGGATAGAAGGGAATAT	CCTTCATTCTAACCCAATACCTATCCCACCTCTAAA	[26]
<i>CYP11B1</i>	GTGCGTTTGGACGGGAGTT	AACGCGACCTAACAAAACGAA	CGCCGCACACCAAACCGCTT	[25]
<i>ENC1</i>	TCTACCCTAAACCAAACGACTACAAA	GGCGATTGGTTGAAAAGTACGT	CAACCGAAACGCAATCCTACGAAACG	–79 to +2
<i>ESR1</i>	GGCGTTCGTTTTGGGATTG	GCCGACACGCGAACTCTAA,	CGATAAAACCGAACGACCCGACGA	[25]
<i>LOX</i>	CCTTCCCCCTTCTCAATCCTAAA	CGGTCGGGTTAGAACGGTT	AAACGACGCGACAATCCCGAAAAAC	+24 to +170
<i>MAGEA1</i>	CTCGCTTCTCTCTACCCACAA	GTAGGATTTCGTTTTCTGTTAGGAAA	CGCAAATCAATAACGTCACATCCGAACA	–72 to +12
<i>MIR34A</i>	TCCTTCCTACTCGTACCACCAAA	AGGTGGAGGAGATGTCGTTGTT	CGTCTCTCCAACCCGAAATCCGAAAAA	–192 to –82
<i>PPP1R3C</i>	GCCCCGCCTAAACGAAAC	ATTAGTCGCGTAACGGGAATTTT	CTCTCTCTTAACCGACGCCCGCTACA	–288 to –183
<i>PYCARD</i>	TTGGAGATTTACGGCGTCG	ACCCTAATACGTAACCGCCTACAA	CATCTCCTACAAACCCATATCGCGCAA	[25]
<i>RARB</i>	TTTATGCGAGTTGTTTGAGGATTG	CGAATCCTACCCCGACGATAC	CTCGAATCGCTCGCGTTCTCGACAT	[25]
<i>RARRES1</i>	GGCGAGTCGGATCGGAA	CGCAAACCTCTACAACAAACGA	CGCGCGACGCTTCACTTCTTCAA	[25]
<i>RASSF1</i>	ATTGAGTTGCGGGAGTTGGT	ACACGCTCCAACCGAATACG	CCCTTCCCAACGCGCCCA	[25]
<i>SFN</i>	GAGGAGGGTTTCGGAGGAGAA	ATCGCACACGCCCTAAAAC	TCTCCCGATACTCACGCACCTCGAA	[25]
<i>SOCS1</i>	GCGTCGAGTTCGTGGGTATTT	CCGAAACCATCTTCACGCTAA	ACAATTCCGCTAACGACTATCGCGCA	[25]
<i>TIMP3</i>	GCGTCGGAGGTTAAGGTTGTT	CTCTCCAAAATTACCGTACGCG	AACTCGCTCGCCCGCCGAA	[25]
<i>TNFRSF10C</i>	GGGAAGAGCGTATTTGGCG	TCCCCTAACTCCGACGACG	CGAACATACCCGACCGCAAATAACCA	[25]
<i>TNFRSF10D</i>	GGGAAGAGCGTATTTGGCG	TCCCCTAACTCCGACGACG	TACCCGACCGCAAACGACCCG	[25]
<i>TP73</i>	GGGTCGGGTAGTTCGTTTGT	CGATTTCGCTACGTCCCCT	AACCTCCGAACGAATACGCGAACGAA	[25]