

DNA methylation profiling identifies the HOXA11 gene as an early diagnostic and prognostic molecular marker in human lung adenocarcinoma

Supplementary Materials

Supplementary Table 1: Primers and probes of 16genes

Official symbol	Forward Primer Sequence	Reverse Primer Sequence	Probe Oligo Sequence
<i>CDH13</i>	AATTTCGTTTCGTTTTGTGCGT	CTACCCGTACCGAACGATCC	AACGCAAAAACGCGCCCGACA
<i>CDKN2A</i>	GCGTTCGAGTGCGGA	CTCCCGAACACGTCGTACAC	CAATTAACCTCCGCGCCGTAAAACAACAA
<i>CDX2</i>	GGTAATCGTCGTAGTTCGGGTATT	ACTCCGTACGCCACTCTAACG	CAACCTAACGCCGAAAACCTTCGTCA
<i>EYA4</i>	TGGATAGGATGGAAGTTTTCGCG	AACTACCGACAACGCGACG	CGCTCCGACCGTTCCCGACTT
<i>HOXA1</i>	GTTGTTGCGGCGATTGTA	CGCGCAAAAACGCAACTT	TACTCTTCTTCGCTCCAACACTCCAATCG
<i>HOXA11</i>	TTTTGTTTTTCGATTTTAGTCGGAAT	TAATCAAATCACCGTACAATCGAAC	ACCACCAAACAAACACATCCACGACTTCA
<i>NEUROD1</i>	GTTTTTTCGCGTGGGCGAAT	CCGCGCTTAACATCACTAACTAAA	CGCGCGACCACGACACGAAA
<i>NEUROD2</i>	GGTTTGGTATAGAGGTTGGTATTTCGT	ACGAACGCCGACGTCTTC	CGCCATACGAACCGCGAAACGAATATAA
<i>ONECUT2</i>	CGTTACGTATATCGCGCGG	CAAAAACCTCTATATAAACGACGAAT	AACACGCAATTACGCGCTTTTATACGCA
<i>OPCML</i>	CGTTTCGAGGCGGTATCG	CGAACCGCCGAAATTATCAT	AACAACCTCCATCCCTAACCGCCACTTTCT
<i>PTPRN2</i>	CGTTTTAATAGTTTCGGGTTTAGTTATAAGT	AACTACGCTTCTCAACGCCTC	TAAAACGACCGCGTACTCGCCAAAAA
<i>RASSF1</i>	ATTGAGTTGCGGGAGTTGGT	ACACGCTCCAACCGAATACG	CCCTTCCAACGCGCCCA
<i>SFRP1</i>	GAATTCGTTTCGCGAGGGA	AAACGAACCGCACTCGTTACC	CCGTCACCGACGCGAAAACCAAT
<i>TMEFF2</i>	CGACGAGGAGGTGTAAGGATG	CAACGCCTAACGAACGAACC	TATAACTTCCGCGACCGCTCCTCCT
<i>TWIST1</i>	GTAGCGCGGCAACGT	AAACGCAACGAATCATAACCAAC	CCAACGCACCCAATCGCTAAACGA

Supplementary Table 2: Primer sets used for qRT-PCR

Official symbol	Forward Primer Sequence	Reverse Primer Sequence
<i>CDKN2A</i>	ATATGCCTTCCCCACTACC	CGTGAGTGCTCACTCCAGAA
<i>EYA4</i>	AATTACGGACGCACTGAACC	CTCACTTCTCCTGCCACTCC
<i>HOXA11</i>	TCCATTGAATCTCCTTTGC	ATTTTCCTTGTGCCAGTTG