Table S2A. Quantitative PCR (qPCR) primer sequences

Target Name	Forward primer (5' → 3')	Reverse primer (5' → 3')	MspI site[1]
HOXA7_exon1	TCTGGGGCTGGATACATAGG	CGAGGACCCCAAAAGACAC	✔
HOXA7_intron1	CGCAGGCAGCTCTGTAATG	AAGCAGGACATTGTGGAAGC	✔
HOXA6_intron	CAGAAGAGGGCAGAAGTTGG	CTTCCAGTGTCTCCCCAAAG	✔
HOXA6_exon	GAAATAAATGCACAGACGCTTG	CCTGTTCCCCAACTTTTCTC	✔
inter1_A6_A7	AGGGCCATGAATGAAAACAC	GTGAAGCCCAAAAGGAAGTG	✔
inter2_A6_A7	ATGGGTAAGGGGGAGTATGC	TAGGAGCAAAGGTGGTGAGG	✔
H19_DMR_A1	GATCTCGGCCCTAGTGTGAA	GTGATGTGTGAGCCTGCACT	✔
H19_genic_1	CTCAGCTCTGGGATGATGTG	AGCCCAACATCAAAGACACC	✔
H19_genic_4	GCCAGCTACACCTCCGTTG	AGCTAGGGCTGGAAAGAAGG	✔
H19_genic_3	CTGGTGCTCACCTTCCAGAG	ATGGTGCTACCCAGCTCAAG	✔
H19B1	CCTGTCGGGAGAATGTTCCT	CTGGGGGAGCTATGTGTCAT	✘
IGF2_genic_1	CATGAAATTTGGGGGTTCC	GGGAGTTCTGGGGTAGGAAG	✔
H19_promoter_2	CCTGGAATTCTCCAAAGACG	AGTGGTCTGGGAGGGAGAAG	✔
GAPDH	CGGCTACTAGCGGTTTTACG	AAGAAGATGCGGCTGACTGT	✘
L1PA1	AAATGGTGCTGGGAAAACTG	GCCATTGCTTTTGGTGTTTT	✘
L1PA15	CTTTGCAGGAACATGGATGG	TGAGAACATGCGGTATTTGG	✘
Alu consensus	ACGCCTGTAATCCCAGCACT	GTAGAGACGGGGTTTCACCA	✘
7SL RNA	TGTAGTGCGCTATGCCGATC	TGATCAGCACGGGAGTTTTG	✘

1. Suitable for EpiMark™ validation; target contains a single MspI site.

Table S2B. Quantitative reverse-transcriptase PCR (qRT-PCR) primer sequences

Target Name	Forward primer (5' → 3')	Reverse primer (5' → 3')	Tm
TET1	AACAAGAGGCCCCAGAG	TTCTTCCCCATGACCAC	58°C
TET2	AAACAAACTGAAAACGCAAG	GTGGTGGCTGCTTCTGTAG	58°C
TET3	AAGAGTCTGCTGGACACACC	CTCCATGAGTTCCCGGAATAG	58°C
VANGL1	ACAAGTCACCCCGGAATAAAG	CTCTTGGGATATGCTGTGCTC	58°C
EGFR	GGCACTTTTGAAGATCATTTTCTC	CTGTGTTGAGGGCAATGAG	58°C