Table S2. Primer and probe sequences for real-time PCR.

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| Gene | **Sense primer (5´to 3´)** | **Antisense primer (5´to 3´)** | **Probe (5´to 3´)** | **Amplification protocols** |
| ***ALU-C4*** | GGTTAGGTATAGTGGTTTATATTTGTAATTTTAGTA | ATTAACTAAACTAATCTTAAACTCCTAACCTCA | CCTACCTTAACCTCCC | 95°C 10’, (95°C 15’‘, 60°C 1‘) x45 |
| ***EOMES*** | GGTTGGGGAAGTAGAGTTTCGAT | ATAAACAATTACAAACGCCGCCA | CGCTCCGAAAACGCATTTTCCGACTA | 95°C 10’, (95°C 15’‘, 60°C 1‘) x45 |
| ***HOXA9*** | GTGGTTATTATCGTGTTTAGCGT | CCGATACCACCAAATTATTACATA | TGGTTCGTTCGGTTCGATTTACGGA | 95°C 10’, (95°C 15’‘, 60°C 1‘) x45 |
| ***POU4F2*** | GTTGTGCGAAGTTGAGTTTATTC | CCGTTCAAACTAACAACAAAAACGA | CGGATTTTGTACGTTTGATTTCGGTTAC | 95°C 10’, (95°C 15’‘, 60°C 1‘) x45 |
| ***TWIST1*** | GTTAGGGTTCGGGGGCGTTGTT | CCGTCGCCTTCCTCCGACGAA | CGGCGGGGAAGGAAATCGTTTC | 95°C 10’, (95°C 15’‘, 60°C 1‘) x45 |
| ***VIM*** | TTCGGGAGTTAGTTCGCGTT | ACCGCCGAACATCCTACGA | TCGTCGTTTAGGTTATCGT | 95°C 10’, (95°C 15’‘, 60°C 1‘) x45 |
| ***ZNF154*** | TTTATCGGATTAGAGATAGTAGAGCGT | TAACGTAAATCCCCCAAAACGACG | AACGACGACTCCCCTCACGCCTT | 95°C 10’, (95°C 15’‘, 60°C 1‘) x45 |

TaqMan probe sequences, and amplification protocols for real-time quantitative methylation-specific polymerase chain reaction. All probes contain a 6FAM fluorophore at the 5’ end and a black hole quencher-1 (BHQ-1) at the 3’ end.