

Table 1

Gene name	Gene ID	Forward primer	Reverse primer
<i>BRM/SMARCA2</i>	396040	TGAGTTGCCATCGTGGATTA	TCCTCCTTCCCAGAATCCTT
<i>BRG1/SMARCA4</i>	395932	CCGCTGGAAGTACATGATTGT	TCGGATGATCAGAATGGTCTC
<i>HELLS/SMARCA6</i>	423750	AAGCTCTGCTGGCAACCTGTGTC	AGGAACTGCTTGGCACTGTGTCG
<i>SMARCC1</i>	420378	AGGAGGCAGAAGAGAACAAGG	AGCAACCAGGGACTTGATTTT
<i>SMARCD1</i>	426882	GACCAGACGATCATGAGGAAA	ATCTTCTAGCAGCCGTCCTTC
<i>CHAF1A</i>	770217	CCAGAAACCAAAGACTCCACAAG	CGACAGAGGGGAGCTAAGAC
<i>GCN5/KAT2A</i>	374232	CCGCTACCTGGGCTACATC	GCGCTTGCTTCCTCTCAATC
<i>MYST4/KAT6B</i>	423734	GATGATGGGAACTCAGCCATA	TCCAATACGCCAGTTTGGTAG
<i>NcoA3/KAT13B</i>	419208	CATGGATTTGTCTCTACCCACTTTC	AGCCACTGTTGTCTGATGTTTTG
<i>HDAC1</i>	373961	CGGATGACCCACAACCTACT	TCTGTCAGCTCTCTGCTGGA
<i>HDAC2</i>	395635	GGGACATTGGTGCTGGAAAAGGC	ACAGCACTGGGCTGGTACATCTC
<i>HDAC8</i>	422182	CAGAAATTTGACCGCATCCT	GCCATCTTGATAGGCACAT
<i>MLL/KMT2A</i>	414897	CCCTGTTCCCCTTACAGAAAC	TCCTGATCCTAAGACCCCTTTGAG
<i>SET7/ KMT7</i>	422443	TTTTCAAAAGTAGCGGCAGAA	CAAACGGGTCATAGATGCAGT
<i>LSD1/KDM1A</i>	419571	GAGCGGCATGGACTGATTAAC	CAACCCAGACACACCAGAAC
<i>JAD1B/KDM5B</i>	421168	GGCTCAGGAGTGCAATAAGC	CTGCCAAACTCCTTTGAAGC
<i>ASH1L/KMT2H</i>	425064	CTGGCACAGATCTTCAAGGAG	ACATCACGACCAGTTGGAGAC
<i>NSD1/KMT3B</i>	416214	AAAAAGGACAGGCAGCTGAA	ATGCATGTTTCTCCGGTAGG
<i>KDM2B</i>	416844	GATTCTCTGGTGTGGTGGA	GTCTAACCACGAATCCGATGA
<i>PRMT3</i>	422975	AGATGTCGGAAGCAGCTCAT	ATTCCAGTCCACAGCCAAC
<i>JMJD6</i>	417355	TAGAAACCTGCCTTGCTTTGA	GAGCACAAAAGATGCTTCAGG
<i>SUV39H1/KMT1A</i>	100857640	CTCTTCGACCTGGACTACGTG	CTGCATCTACTGGGTCCACAT
<i>SUV39H2/KMT1B</i>	426314	GACGAGGCCAATTCTATGACA	CCTTGATGGTCTTGTGGAAA
<i>EHMT1/KMT1D</i>	417250	TGCGCTGCTGGTATGATAAG	GGATATCAGCTCGCCAACAT
<i>KDM3A</i>	422917	AAAGCCTTCACCAGGAGTAT	AGGCTGGATTCTGTAGCTCTC
<i>KDM4A</i>	424571	GGCAGATAGTCATCAGCAAGC	ACCTGTCCATCTGTCCATCTG
<i>KDM4B</i>	428354	GCCAAGTTTATTGCAGCTCAG	CTTGGCTGCTCTCATTTTCATC
<i>KDM4C</i>	427231	TGAAGTGCCAGCAACGTAATTC	TCACCATGTCCCACCCATTTTC
<i>EZH1/KMT6B</i>	420023	AGACTGCTGGGAACAAAGACA	TCAGCTGAATCTTCCTGCAAT
<i>EZH2/KMT6A</i>	420784	AGGAGCTCTTCTCCTGAATG	TTCGGTGGTGTCTTTATACGC
<i>SUZ12</i>	417406	ACCTCTCCGTCCACAAGAAAT	GCAATAAACCCTGCTTCATA
<i>EED</i>	426381	GCAGGGTCCAGGGGATTAT	TCATCCCTGTGCCCTTCTAC
<i>JARID2</i>	420839	TAAGGAGGTGGGAGACAGTT	GCATTTTCAGTTTTGCCATGT
<i>CDYL</i>	420877	TTAGCAGCCAATGGTACAACC	GTGCGTGAATCCATCTTGTTT
<i>UTX/KDM6A</i>	418556	CCTCACCATCTTCAGCCATT	ACTTCTGCTGAGCTGGGGTA
<i>JHDM1D/KDM7A</i>	418110	CTGGAACACGGACCTTTGTTA	TCACCACCTACATAGCGTTCC
<i>RING1B/RNF2</i>	424452	CCAAGCCGTGACGAATATGAAG	GTTTCTTGCCCTCTGTAACC
<i>BMI1</i>	493647	TGAAGACAGGGGAGAAGTGG	ACTCCGCAGGAACCTTCGTA
<i>RYBP</i>	374237	CCACCACCACCAAGAAG	TGACGCTGGGACTGATCTC
<i>CBX1</i>	374237	CCAAGGAAGCCAACATCAAGTG	GCGGGTGCCAGTTTTAG
<i>CBX7</i>	101752246	GACCCTCGCCTGGTAGTG	GTAGGAGGCGCTTTGGTTTG
<i>CBX8</i>	422084	GAGCGAGAAATGGAGCTATTCG	CTGCGGAACTCATAGTTTGG
<i>DNMT3A</i>	421991	CTGTCCCTGCTGAAAAGAGG	GCCCCACTCCTGTATGTGTT
<i>DNMT3B</i>	419287	GCTGAAGCCCATGATTGATT	ACCATTTGTTCTCGGGTCTG
<i>DNMT1</i>	770153	CTGCGCATCTGGAAGTTCTAC	GATCCTCGAAGCTCTTCGTTT
<i>MBD3</i>	770153	CAGCCTGTCAAAAGATCACA	AGAAGGGTCTCATCAGTGCAA
<i>TET1</i>	423690	GCGTCGCTGTGGCACCTTCT	CCGCGTGGGATGATTGCGGT
<i>TET2</i>	422540	CACAGAGCGCCCGAGTGTCG	GGGCGCAGAAGTCCAGGCAG
<i>TET3</i>	425829	CGGCGAGAAGGGCAAAGCCA	CCCCTTGCGATGGGGCAG