

Table S2. Primers for the amplification of mouse transcripts by real-time quantitative PCR

Locus	Forward sequence	Reverse sequence
<i>Actin</i>	cgaggcccagagcaagag	cgccccagttggttaacaatgc
<i>Atoh1</i>	ggagaagcttctgtgcacgc	gggacatcgactgcaatgg
<i>Bmi1</i>	ccagggttttcaaaaatga	tgcaacttctcctcggtctt
<i>Cbx6</i>	cctcctcaccagtttctc	cctcattcattgtgcctctg
<i>Cbx7</i>	tacgaggagaaggagagag	gaagcagagcttctcattgc
<i>Cbx8</i>	gtgccagggttcgacatagt	agaatccttggtccgtgttg
<i>Cdx2</i>	tcaactcgccacaacctccc	tggtcagctgggattgct
<i>Dnmt1</i>	ggtctatgcttctgttactctg	ctgaccgctcttattgaacc
<i>Dnmt3a</i>	cctggtggaatgactcgcagaagga	gccgaattgtgtcttgggtgatgaca
<i>Dnmt3b</i>	ttcagtgaccagctcagacacgaa	tcagaaggctggagacctcccttt
<i>Dnmt3l</i>	gctctaagaccttgaaaccttg	gtcggttcactttgacttcgta
<i>Eed</i>	gcaacagagtaacctatacga	caactgctaatagagggtgg
<i>Ehmt1</i>	cagatggagaacaatgggtct	ttgcttccccacttctgtgt
<i>Eomes</i>	cctggtgtgtttttgtgtg	tttaatagaccgggcaact
<i>Eset</i>	gaggccggggagaggtgaa	tagctggtcggcgaagccct
<i>Ezh2</i>	atggagtcaaaggatcacagcagtgaca	tcagcaccactccactccacatt
<i>Fgf4</i>	gctgtgtgagcattctcgaggt	agggccatgaacataccggg
<i>Fgfr2</i>	gaggaatacttgatcaccacgc	ctggtgctgtcctgtttggg
<i>G9a</i>	tcaccctgactgacaatgag	agacagggaacaacagaacac
<i>Gata3</i>	agtcgaggcccaaggcacga	gctgccgacagccttcgctt
<i>Gata4</i>	aacaccctgagcaggcctc	tttctgggaaactggagcttg
<i>Hand1</i>	acgtgctggccaaaggatgca	tggttagctccagcgccta
<i>Hoxa7</i>	agttcaggaccgcaggaa	ttgatctggcgtcagtgag
<i>Jarid1a</i>	gaatgaacttgaggcaatgac	cccatttagaccatttctctc
<i>Jarid1c</i>	aatgagctggagattgtggtg	caaatggcgctgtgttacact
<i>Jarid1d</i>	tacgaacggctatttaccctc	tggtgtaacagactgtctaaga
<i>Jmjd1a</i>	gagccacagtcggagacttc	ttggccatcatatcaaa
<i>Jmjd2a</i>	ttctgtgaattctgcgctc	tagctgtgcacgggtgaagac
<i>Jmjd2b</i>	catgtggaagaccagtttg	aaggggatgccgtacttctt
<i>Jmjd2c</i>	cttcacacagtttcggctca	gatgactggccttacgtggt
<i>Jmjd3</i>	agatgatcaagtctgcctc	catttctactgttaacgaacag
<i>Kdr</i>	gatgtccaaggctcaggaagt	agttcaggaccggcagaggaa
<i>L19</i>	tgatctgctgagcggagttg	ggaaaagaaggtcgtgtgga
<i>Lsd1</i>	gatgatgtctgggaaacagg	gggccaaggtagaatacagag
<i>Mblr</i>	gtcctagagtcagtgttctgt	gatgatattctactgacaagctg
<i>Mel18</i>	tgtgagctccaggtccataa	cgccgttctatttcatcttt
<i>Mixl1</i>	gacagacctgatccagac	gcttcaaacctagcttcag
<i>Mll1</i>	gatgctggcgtttgctgt	cctggcttctggcgaattca
<i>Mll2</i>	gagcctaaatctctcac	gccttgacatgctggtgc
<i>Mll3</i>	tcagtcggattcaagggtcc	accatcactggatggtgaga
<i>Nanog</i>	cttacaagggtctgctactga	tctgcttctggcaaggacc
<i>Pax3</i>	gggaactggaggcatgttta	gttttccgcccagcaatta
<i>Pl1</i>	gtattatggagcagttcagccaa	ggtgtcaagcctactcctttg
<i>Phc1</i>	gcaaaagggtacaatgtgag	gtttcctagatcacgtttctc
<i>Phc2</i>	gcaaaagggtataatgtggg	tcatagctggagttatctgag
<i>Pou5f1 (transgene)</i>	cacgagtggaagcaactca	agatggtggtctggctggaac
<i>Ring1A</i>	cctgcttgaggaaaggag	actgcttttctgacacct
<i>Ring1B</i>	ttgcgaggattgtattatca	gcgcttcaactcatcacga
<i>S17</i>	atgactccacaccaacaagc	gccaactgtaggtcagtgagc
<i>Sox1</i>	tgaacgccttcatggtgtggtc	gcgcgccgggtactgttaat
<i>Sox2</i>	aaaaccaccaatcccatcca	cgaagcgcctaactgaccac
<i>Sox7</i>	cacgcggcgaagccaagtga	tggccacacatgaaggca
<i>Suv39h1</i>	tgtaacctagttgtgatcc	attcgggtactctcatgtc
<i>Suv39h2</i>	atctacgaatgcaactcaagggtg	ccacagccattgctagtcttaa
<i>Suz12</i>	cctttgagaaccaacacag	cttgttctggaattgcatgag
<i>Tpbpa</i>	ggtcattttcgtactgtgaagt	ttcctagtcacctatgctctg
<i>Utx</i>	tcagtatctccagaagtcct	tagagcacacctattgaacac
<i>Utf1</i>	ccctctccgcttagcac	cagacttctgctggaagaac