

Table S1. Oligonucleotide sequences.

Table S1

		5'-3' Forward Sequence	5'-3' Reverse Sequence
	L-m. <i>Oct4-3p</i> (Mut-01)	AAGACTGGGACACACAGTAGAATTAAGAATTTGTTTTCCTTCAGTTC	GGAAGTGAAGGAAAAAAAATTTCTTAATCTACTGTGTGCCAGTCTT
	L-m. <i>Oct4-3p</i> (Mut-02)	ATTTTATTTATATGGGTACACAAATTAAGTACCTTCTAGACACACCAG	CTGGTGTGTCTAGAAGGTGACTTAATTTGTGTACCCATATAAATAAAAT
	L-m. <i>Oct4-5p</i> (Mut-01)	GCCAGTAATGGATTCTCAAACC TTTTAAGATCTTCAAAACAGGGCCAT	ATGGCGCCTGTTTTGAAGATCTTAAAAGGTTTGAGAATCCATTACTGGC
	L-m. <i>Oct4-5p</i> (Mut-02)	GGGTCTGTACACATGTCTACA TAAATTTAATAGGTCAAAGGCTTTAGAT	ATCTAAAGCCTTTGACCTATTTAAATTTATGTAGACATGTGTACAGACCC
	L-m. <i>Nanog-3p</i> (Mut-01)	TTTAAAGATTTATTTATTCATTATATGTAAGTACACAAAAATGTCTTCAG ACACTCCAGAAGAGGGCGTCAG	CTGACGCCCTCTTCTGGAGTGTCTGAAGACATTTTTTTGTGTACTTACATATA ATGAATAAATAAATCTTTAAAA
	L-m. <i>Nanog-3p</i> (Mut-02)	GACAGAAGGACCAGGAGTTTGAGGAAAAATCAGATATGCAATAAGTTCAAGG C	GCCTTGAAGTATTGCATATCTGATTTTTCTCAAACCTCTGGTCTTCTGT C
	L-m. <i>Nanog-5p</i> (Mut-01)	TACGCAACATCTGGGCTTAAAGTCAGGGCAA AAAAAATTCCTTCTCTTCTC CAAAATTTTTCATATT	AATATGAAAATATTTGGAAGAAGGAAGGAATTTTTTTTTGCCCCTGACTTTAA GCCAGATGTTGCGTA
Mutation	L-m. <i>Sox2-3p</i> (Mut-01)	TGATGTTACCAGCAATGTCTGTATTTA TTAAGTGCAGAAGAAAAAATG	CATTTTTTCTTCTGCAGTTAATAAATACAGACATTGCTGGTAAACATCA
	L-m. <i>Sox2-3p</i> (Mut-02)	AGTCAATTCTGAAAATTTTTCGAAATTAATAGCAGATGAGATACTGCGCC	GGCGCAGTATCTCATCTGCTATTAATTTGAAAATTTTCAGAATTGACT
	L-m. <i>Sox2-5p</i> (Mut-01)	TGAGATACTGCGCCAAATCAGAAATAATTTGGCTGGGTTGGTTTTTCATTTT	AAAAATGAAAACCAACCCAGCCAAATTTTTCTGATTTGGCGCAGTATCTCA
	L-m. <i>Sox2-5p</i> (Mut-02)	GCAGCTGGTACACGCAAAAGAGAAAATTTCAACAGACATATTACAGAA	TTCTGTAATATGTCGTTGAAATTTTTCTCTTTTGCGTGTACCAGCTGC
	L-m. <i>Klf4-3p</i>	AGGCAACAACCCCTAAGAACAGTTAAATTTCCACAGTCCCTCCTGAG	CTCAGGAGGGCAGTGGAAAAATTAAGTGTCTTAGGGTTGTTTGCCCT
	L-m. <i>Klf4-5p</i> (Mut-01)	CCCACGTAGTGGATGTGACCCACACAAATTTAAGAGAGAGTTTCAATTTT	AAACTGAACTCTCTCTTAAATTTGTGTGGGTACATCCACTACGTGGG
	L-m. <i>Klf4-5p</i> (Mut-02)	TCCGATCTACATTGATGACCTAA AATTTA AATAAGCCTGGTTTATTTT	GAAATAAACCAGGCTTATTTTAAATTTTAGGTCATCAATGTAGATCGGA
	L-m. <i>c-Myc-3p</i>	TTCCCATGTAATAGGGCCTTGA TTAATAACTTTAATAAAACGTT	AACGTTTTATTAAGTTATTTAATTAACAAGGCCCTATTTACATGGGAA
	L-m. <i>c-Myc-5p</i> (Mut-01)	CGTTTGTTCCTTGCCTCTTGCTCAATAAGATAGTCCCTTCACATCAGTATC	GATACTGATGTGAAGGGACTATCTTTATTGAGCAAGAGGCAAGGAACAAACG
	L-m. <i>c-Myc-5p</i> (Mut-02)	GGTACGAACACAACAAAATAACAATAAGGCCCTGTCTTGAAAACAAGCCT	AGGCTTGTTTTCAAGACAGGGGCTTATTGTTATTTTTGTGTGTTTCGTACC
	L-m. <i>Prrmt7-3p</i> (Mut-01)	GCAGTGGGAAGAAAAGTAGGAGAAATAACGCCTCTCTCTGTCTGTCTGTC	GACAGACAGAGAGACAGGAGGCGTTATTTCTCTAGTTTTCTTCCCAGTGC
	L-m. <i>Prrmt7-3p</i> (Mut-02)	GGCATGGCCTCAGTGTGAGATGAATAAGGGACCTGAAGGCAGGCAGGCTG	CAGCCTGCCTGCCTCAGGTCCTTATTTTCTCTCAGCACTGAGGCCATGCC
	L-m. <i>Prrmt7-5p</i> (Mut-01)	GCCTATCTGCTTTCAAGGAAGTTAATAAAGTCCAGGGAAAATGGCCTCCCA	TGGGAGGCCATTTTCCCTGGGAGTTTATTAAGTCTCTTGAAGCAGATAGGC
	L-m. <i>Prrmt7-5p</i> (Mut-02)	GATTGCTAAGCCCTGAGACCCAAATAAATAACTGTGGTTCACAAGGCCGTCAT TC	GATGACGGCCTTGTGAACCACAGTTATTTTATTGGTCTCAGGGCTTAGCAA TC
RT-PCR	mGAPDH	CATGGCCTTCCGTGTTCCCTA	GCCTGCTTCACCACCTTCTT
	mPRMT7	CAGGTAGCGTCTGCCTTTGT	CAACTCAGGCCGTTTATTGATGA
	mNanog	TCTTCCGTGGTCCCCACAGTTT	GCAAGAATAGTTCTCGGGATGAA
	mSox2	GCTCGCAGACCTACATGAAC	GCCTCGGACTTGACCACAG
	mOct4	AGAGGATCACCTTGGGGTACA	CGAAGCAGCAGATGGTGGTC
	mcMyc	CACCATGCCCCCAACGTGAACCTTCACC	TTATGACCAGAGTTTCAAGCTGTTCG
	mKlf4	GTGCCCCGACTAACCCTTG	GTCGTTGAACTCCTCGGTCT
	miR-221-3p	AGCTACATTGTCTGCTGGGTTTC	*PerfeCTa Universal PCR Primer
miR-221-5p	ACCTGGCATAACAATGTAGATTTCTGT	*PerfeCTa Universal PCR Primer	
SNORD66	GTCAGTGCCACGTGTCTGGGCCACTGAGACCACATGATGGGATTGA GGACCTGAGGAA	*PerfeCTa Universal PCR Primer	
ChIP	mir221-S1	TCCCTTCCAGAATCTCTCTTCA	GGTAATCAGCAGCTACATCTGG
	mir221-S2	ACTTCCATACATCTCTGTCTTTA	CACAATTCCTGTGACTTACCAATAG
	mir221-S3	GATTTCTGTGTTTGTAGGC	AAGAAATGATTCCAGGTAGCC
CRISPR-Cas9 cloning	Cas9-miR-221-1	CACCGCTGCTGGGTTTCAGGCTACC	AAACGGTAGCCTGAAACCCAGCAGC
	Cas9-miR-221-2	CACCGAGAAATCTACATTGTATGCC	AAACGGCATAACAATGTAGATTTCTC
	Cas9-miR-221-seq	TCACCTATTGGTAAAGTCACA	AGCAGTATGCTAAGATGATT