

Supplementary Table S4: List of the Primers

Quantitative PCR (qPCR) primers			
Sr. No.	Gene	Primer Name	Sequence (5'-3')
1	<i>SPINK1</i>	SPINK1 FP	GTCTGTGGGACTGATGGAAATA
		SPINK1 RP	GAGGATAGAAGTCTGGCGTTTC
2	<i>ERG</i>	ERG FP	CGCAGAGTTATCGTGCCAGCAGAT
		ERG RP	CCATATTCTTTCACCGCCCACTCC
3	<i>CDK1</i>	CDK1 FP	CAGGATGTGCTTATGCAGGA
		CDK1 RP	TGACTGACCAGGAGGGATAG
4	<i>CDK6</i>	CDK6 FP	CGTGGTCAGGTTGTTTGATG
		CDK6 RP	CGGGCTCTGGAAC TTTATCC
5	<i>CCNA2</i>	CCNA2 FP	GGTGGTCTGTGTTCTGTGAATA
		CCNA2 RP	ACTTCTTGGATGCCAGTCTTAC
6	<i>CCNE2</i>	CCNE2 FP	CTAGTCCAGTGAAGCTGAAGAC
		CCNE2 RP	CTTCCTCCAGCATAGCCAAATA
7	<i>MCM3</i>	MCM3 FP	CGCCTCACAGAATCCATCAA
		MCM3 RP	CCTGATTGTCATCCTGCATCT
8	<i>MCM10</i>	MCM10 FP	CAGTAACTGTGGCCTCTACAA
		MCM10 RP	GGTAACAGAGTTTCTCCTCCTATC
9	<i>TWIST</i>	TWIST FP	CCAGGTACATCGACTTCTCTA
		TWIST RP	CCATCCTCCAGACCGAGAA
10	<i>N-CAD</i>	N-CAD FP	TGACTCCCTGTAGTGTGTTGAC
		N-CAD RP	CCCAGTCGTTCAAGTAATCATAG
11	<i>SLUG</i>	SLUG FP	GGTTGCTTCAAGGACACATTAG
		SLUG RP	GCAGATGAGCCCTCAGATTT
12	<i>VIMENTIN</i>	VIMENTIN FP	GATTCCTCCCTCTGGTTGATAC
		VIMENTIN RP	GTCATCGTGATGCTGAGAAGT
13	<i>EPCAM</i>	EPCAM FP	GCAGTTGTTGCTGGAATTGT
		EPCAM RP	GCATCTCACCCATCTCCTTTAT
14	<i>AURKA</i>	AURKA FP	ATGCCCTGTCTTACTGTCATTC
		AURKA RP	GCATGTACTGACCACCCAAA
15	<i>SOX2</i>	SOX2 FP	CATGGGTTCGGTGGTCAAG
		SOX2 RP	TGATCATGTCCCGGAGGT
16	<i>SOX9</i>	SOX9 FP	TCTACTCCACCTTCACCTACAT
		SOX9 RP	CTGTGTGTAGACGGGTTGTT
17	<i>c-Kit</i>	c-Kit FP	CAAGGCTTCTCCAATTCTGC
		c-Kit RP	TGCAGTGGTCCACAGAAGAG
18	<i>Oct-4 (POU5F1)</i>	Oct-4 FP	GGAGGAAGCTGACAATGAAA

		Oct-4_RP	GGCCTGCACGAGGTTTT
19	<i>CD44</i>	CD44_FP	CAGCACTTCAGGAGGTTACAT
		CD44_RP	GTAGCAGGGATTCTGTCTGTG
20	<i>ABCG2</i>	ABCG2_FP	GTA AAG CAG GGC ATC GAT CT
		ABCG2_RP	CAG GTA GGC AAT TGT GAG GAA
21	<i>TET1</i>	TET1_FP	GGAAGGAATGGACAAGA
		TET1_RP	ATCGCAGCCCTCTTCTTTC
22	<i>AATK</i>	AATK_FP	GATGGTGGCTATGAGGTCTTC
		AATK_RP	GACTCATAGTTCTCGGTGTCATAG
23	<i>FTX</i>	FTX_FP	TTGCCTCAGAGGGACAAATC
		FTX_RP	CCCATAGTGCTTCACTGGTAAT
24	<i>EZH2</i>	EZH2_FP	TGCAGTTGCTTCAGTACCCATAAT
		EZH2_RP	ATCCCCGTGTACTTTCCCATCATAAT
25	<i>SUZ12</i>	SUZ12_FP	CATTGCTCACCCGGTATGTT
		SUZ12_RP	GCGTTCTTTCCTTGGTTTGC
26	<i>RBBP4</i>	RBBP4_FP	GTAGAGAGCTCTTCAGCAAGAC
		RBBP4_RP	AGGAACAGCTGGAGGAAATG
27	<i>RBBP7</i>	RBBP7_FP	GGAGGACACACTGCTAAGATT
		RBBP7_RP	CAGCCATTTGCCATATCTGC
28	<i>MTF2</i>	MTF2_FP	ACAGCAGCATTCTTCTCAGG
		MTF2_RP	CACTGTTGTTACACCCTTCT
29	<i>GAPDH</i>	GAPDH_FP	TGCACCACCAACTGCTTAGC
		GAPDH_RP	GGCATGGACTGTGGTCATGAG
30	Human <i>ALU</i> repeats	qALU-F	ACGCCTGTAATCCCAGCACTT
		qALU-R	TCGCCCAGGCTGGAGTGCA

Chromatin Immunoprecipitation (CHIP-PCR) primers

Sr. No.	Gene	Primer Name	Sequence (5'-3')
1	MiR-338-5p-EZH2-P1	MiR-338-5p-EZH2-P1_FP	GGGACATGCTGGAAGAAGTG
		MiR-338-5p-EZH2-P1_RP	GCACCAGGATATTGTTGGAGAG
2	MiR-338-5p-EZH2-P2	MiR-338-5p-EZH2-P2_FP	GGACCTCAAGGGCTACCT
		MiR-338-5p-EZH2-P2_RP	CCTCACCTGTGCACGAAAT
3	MiR-421-EZH2-P1	MiR-421-EZH2-P1_FP	GTGTTTGTGCATAGGCACTCT
		MiR-421-EZH2-P1_RP	GATCCATGAAGTCCTCCCA

4	FTX-EZH2-P1	FTX-EZH2-P1 FP	TTAGACTCCTAGAGGCTGGAGA
		FTX-EZH2-P1 RP	GCAACGCTGATGCCAGAAA
5	FTX-EZH2-P2	FTX-EZH2-P2 FP	GACAAGAACAGGCCTTGTAGTA
		FTX-EZH2-P2 RP	TAAGAGGCAGTAGACCACCA
6	MYT1-EZH2	MYT1-EZH2 FP	AAGGGTTCATGGGTAGCGTA
		MYT1-EZH2 RP	GCGAACTCCTAAGCCAGCTA

Methylated DNA immunoprecipitation (MeDIP-PCR) primers

Sr. No.	Gene	Primer Name	Sequence (5'-3')
1	miR-338-5p-R1	miR-338-5p-R1 FP	AAAGGCTCCTTTGTTGGG
		miR-338-5p-R1 RP	GAATGGGCCAGTGTGCT
2	miR-338-5p-R2	miR-338-5p-R2 FP	GGGAGAGTAACACGAAAGACTC
		miR-338-5p-R2 RP	CTGCTGATGCCAGAGTTCA
3	miR-338-5p-R3	miR-338-5p-R3 FP	GGACCTCAAGGGCTACCT
		miR-338-5p-R3 RP	TCTGCATAGTGGTTGTCTGATG
4	FTX-R1	FTX-R1 FP	AGGGCTCCCACCTGTAAT
		FTX-R1 RP	ATCTCTGCCTCCAGGTT
5	FTX-R2	FTX-R2 FP	CCACCTCAGCCTTCTGAATAG
		FTX-R2 RP	CCTATGCCTGATGTTGAAATTTGT

Bisulfite Sequencing primers (BSP Primers)

Sr. No.	Gene	Primer Name	Sequence (5'-3')
1	BSP-miR-338-5p	BSP-miR-338-5p FP	TTTAGAGAGAGAGAGAGAGAGGGTAG
		BSP-miR-338-5p RP	CCCAAAAACACCTATAAAACAAAC
2	BSP-AATKa	BSP-AATKa FP	TTTTTTTAGTAGTTGGGATTATAGG
		BSP-AATKa RP	TATACCCTTTAAAATAATAAACTTCATAAC
3	BSP-AATKb	BSP-AATKb FP	TAGTTTAYGGTAGGTGGAGATTTAGTTAGG
		BSP-AATKb RP	AAAACCCRAAAACACACCCCAAAC
4	BSP-miR-421	BSP-miR-421 FP	TTTGTTGGTTTTAAAAATATTTTTTG
		BSP-miR-421 RP	TAAACAACATAACAAAACCCCATCT
5	BSP-FTX	BSP-FTX FP	GGTTAGGTGTAAGGGTTTTTATTTGTA
		BSP-FTX RP	ACTACAATCTCTACCTCCCAAATTC

Cloning Primers:

1	miR-338	miR-338_FP	CTCGAGGGAGGGTTCTGTCCTGCTT
		miR-338_RP	GCGGCCGCGTCCCTCCCCACATAAAACC
2	miR-421	miR-421_FP	CTCGAGGGCTCTCGTCTACCAGACTTTA
		miR-421_RP	GCGGCCGCACATAATCAGGGCAGGCATTATC