

Figure S1: Antibodies used for immunostaining and primers used for qPCR

Antigen	Antibody (supplier)		Dilution	Species
<i>Antibodies for immuno staining</i>				
Oct4	anti-Oct4 (Santa Cruz)	sc-5279	1:200	mouse
Nestin	anti-nestin (R&D Systems)	MAB1259	1:200	mouse
CD57/HNK-1	anti-HNK-1 (Sigma)	C6680	1:200	mouse
Pax6	anti-Pax6 (Covance)	PRB-278P	1:200	rabbit
H3K9me3	anti-H3K9me3 (Millipore)	07-442	1:200	rabbit
H4K20me3	anti-H3K20me3 (Active Motif)	39181	1:200	mouse
<i>Antibodies for western blot</i>				
H3K9me3	anti-H3K9me3 (Millipore)	07-442	1:1000	rabbit
H3K36me2	anti-H3K36me2 (cell signalling)	9758	1:1000	rabbit
H4K20me3	anti-H3K20me3 (Active Motif)	39181	1:1000	mouse
H3K27me3	anti-H3K27me3 (Millipore)	07-449	1:1000	rabbit
H3K4me3	anti-H3K4me3 (Active Motif)	39915	1:1000	rabbit
Pan-H3	anti-H3 (Abcam)	ab1791	1:5000	rabbit
<i>Antibodies for ChIP</i>				
H3K4me3	anti-H3K4me3 (Millipore)	17-614		rabbit
H3K27me3	anti-H3K27me3 (Active Motif)	39535		rabbit

Primer	Sequence (5'→3')	amplicon length (bp)
<i>Primers for gene expression analysis</i>		
BAF45A for	CGAGGTGATGAGAAACGGAAAAATAAAGG	194
BAF45A rev	GGCTTGTAACCCAGGAAGTACTG	194
BAF53A for	CAGGTCTCTATGGCAGTGTAAATAGTGGC	190
BAF53A rev	GTACCCAAAGAGGCTAGAATGGAG	190
BAF53B for	TGATCGCAGCCAAGGAG	175
BAF53B rev	GCAGCCACCTGTTTCATCGTAGG	175
BAF60A for	CAGGGTTTCATCAATGACTGGCTTCAG	154
BAF60A rev	GCACCTTGAGTAGAAGTATCGGCA	154
BAF60C for	GGTGGAGGAGCCATTAAGGGG	189
BAF60C rev	GAGCGGAGCAGGTCTGGAC	189
EZH1 for	GCTTCCTTCACCCTTTTCATGCCACCC	163
EZH1 rev	CGACGACCAGAGCACTTGGAG	163
TET1 for	TGCCAACCTTAGGGAGTAACTG	172
TET1 rev	GCAGTCTTCGGGGACCAGGA	172
TET2 for	CCTATTGCTAAGTGGGTGGTTCGC	156
TET2 rev	GTAGAGTTTGTGAGCCAGAGACAGC	156
<i>Primers for ChIP analysis</i>		
Oct4 for	GAGGATGGCAAGCTGAGAAA	148
Oct4 rev	CTCAATCCCAGGACAGAAC	148
Nanog for	GTTCTGTTGCTCGGTTTTCT	95
Nanog rev	TCCCGTCTACCAGTCTCACC	95
Pax6 for	AAGGGAACCGTGGCTCGG	96
Pax6 rev	ATTAGCGAAGCCTGACCTCTG	96
Sox2 for	GCACCCACTGAAACTCTTC	130
Sox2 rev	TGCAGGATCTCAGTGTTCG	130