

Supplementary information, Table S1 Nucleotide sequences of RNAs and primers used in experiments

Purposes	Targets	Sequences (5' to 3')	
shRNAs	Non-targeting control	CTAGCAAAAACGCTGAGTACTTCGAAATGTCCTCGAGG ACATTTTCGAAGTACTCAGCGCC	
	Mouse PHF2	CTAGCAAAAACGTGGCTATTAAGTGTCTACTCGAGT AGAACACTTTAATAGCCACGCC	
	Rat PHF2-I	AATTA AAAAGAAGAAAGGGAAGAAGTGCAACTCGAGT TGCACTTCTTCCCTTTCTTC	
	Rat PHF2-II	AATTA AAAACAAAGAGCGTCCTGAGTGTTCCTCGAGG AACACTCAGGACGCTCTTTG	
siRNAs	Non-targeting control	AUGAACGUGAAUUGCUC AATT	
	Mouse Suv39H1-I	UCUUUCUAAGUCCUUGUG	
	Mouse Suv39H1-II	GUUGUCUAUGAAUACGUU	
		Forward primers (5' to 3')	Reverse primers (5' to 3')
RT-qPCR	Mouse ALP	CCA ACTCTTTTGTGCCAG AGA	GGCTACATTGGTGTGAG CTTTT
	Mouse OCN	GCAATAAGGTAGTGAAC AGACTCC	GTTTGTAGGCGGTCTTCA AGC
	Mouse BSP	AAGCAGCACCGTTGAGT ATGG	CCTTGTAGTAGCTGTATTC GTCCTC
ChIP PCR	Proximal OCN promoter	CGTCCACTCCAGAGCCT T (P2)	CTCAGTGGGTCAAACCCA AAG (P1)
	Distal OCN promoter	CCCACAATGGGCTAGGCT C (P4)	TGCCTCCATAAGATCCGG TT (P3)