

Table 1: Primers

Gene	Primer	Sequence
CHIP		
rDNA promoter (UCE)	Fw	ttgggtgaccagagggacc
	Rv	acacggacacggacacctgtc
rDNA promoter (CPE)	Fw	cgtggtcggtgacgcgacct
	Rv	atataaccggcgcccaaa
18S	Fw	aattgacggaagggcaccac
	Rv	tcaatcctgtccgtgtccg
RPS20	Fw	aagttcttcttttgaggaagacg
	Rv	gaacagcggtgagtcagga
Negative	FW	agcgtcgttacctctctgga
	Rv	ggcaggcaaagaagtgtctc
ChIP-CHOP		
H1	Fw	ctgcgatggtggcgtttttg
H2	Rv	caggtcgccagaggacagc
H3	Fw	ttcgcctccgagtcggcaatttg
P1	Fw	cctccgatcgttgtcagaag
P3	Rv	gcaactcggtcgccgatac
P4	Fw	gtaaaacgacggccagtg
P5	Rv	ggaaacagctatgacctg
Copy number quantification		
18S	Fw	aattgacggaagggcaccac
	Rv	tcaatcctgtccgtgtccg
tRNALys	Fw	ccgaatagcttagttgatgaagcg
	Rv	tgtccaatgtggggcttgaac
Promoter methylation		
rDNA promoter (CPE)	Fw	cgtggtcggtgacgcgacct
	Rv	atataaccggcgcccaaa

Table 2: Antibodies

Antibodies	Source	Catalog#	Application
SIRT7	ref Michishita E., Mol Cell Bio 2005		WB, ChIP, IP
B-Tubulin	Millipore	05-661	WB
SNF2H/SMARCA5	Novus	NB100-55310	WB, ChIP
Gamma-H2AX	Abcam	ab2893	ChIP
H2AX	Abcam	ab11175	WB, ChIP
Rb-IgG	Abcam	ab46540	ChIP
Gamma-H2AX	Abcam	ab26350	WB
Rb-Fibrillarin	Abcam	ab5821	IF
Ms-Fibrillarin	Abcam	ab4566	IF