

Table SI. Sequences of primers used for mutagenesis.

Single nucleotide polymorphism	Sequence (5'-3') ^a	Annealing temperature (°C)
rs1011970	F: GCCAGTGTTTtCAGAGGACCA R: CCAGTTCCACCTGTATCTTC	62
rs77283072	F: AAGCAAAAGTaGAAACCCCTG R: CCTCCTCATTtTACTCTTG	57

^aTarget site in lower case. F, forward; R, reverse.

Table SII. Sequences of primers used for chromosome conformation capture-quantitative PCR.

Primer	Sequence (5'-3')	Location of primer ^a	Location of restrictive fragment	Functional element
Constant	CAGGCATGACAAAA TACATGAAGGTGA	chr9:22075135-22075161	chr9:22060958-22075252	Enhancer
Target 1	TGCTTAATGGGGCC TCCTATGC	chr9:21967026-21967047	chr9:21964025-21967116	<i>CDKN2A-DT</i> promoter
Target 2	CCCTTCCCCTCCTGC GTGTAA	chr9:21975571-21975591	chr9:21971396-21975691	<i>CDKN2A</i> promoter
Target 3	TGGGGTGATGCATT CTGATAAATGAC	chr9:21981291-21981316	chr9:21977826-21981385	Randomly selected control
Target 4	GCCGCTGCCCAATA CCTGTT	chr9:21998118-21998137	chr9:21991021-21998165	<i>CDKN2B-ASI</i> promoter
Target 5	CGCGAAGCAAGTTG ACTGAATGAA	chr9:22011029-22011052	chr9:22009326-22011165	<i>CDKN2B</i> promoter
Target 6	TCAGACCCAACAGT AAGATTTTAAAAATT GTC	chr9:22042681-22042712	chr9:22035510-22042814	Randomly selected control
Target 7	CTCCATAATTTACC TCCCTCTGGG	chr9:22058986-22059010	chr9:22056877-22059033	Randomly selected control
Target 8	CCCGTGGGTCAAAT CTAAGCTGAG	chr9:22096026-22096049	chr9:22092423-22096102	Randomly selected control

^aReferenced to human genome build 37. *CDKN2A*, cyclin-dependent kinase inhibitor 2A; *CDKN2B*, cyclin-dependent kinase inhibitor 2B; *CDKN2B-ASI*, *CDKN2B* antisense RNA 1; chr9, chromosome 9.

Table SIII. Sequences of probes used for rs77283072 electrophoretic mobility-shift assay.

Allele	Sequence (5'-3') ^a
G	TATCAGGGGTTTC _c ACTTTTGCTTCCT AGGAAGCAAAAGT _g GAAACCCCTGATA
A	TATCAGGGGTTTC _t ACTTTTGCTTCCT AGGAAGCAAAAGT _a GAAACCCCTGATA

^aTarget site in lower case.

Table SIV. Sequences used as positive controls for rs77283072 chromatin immunoprecipitation assay.

Transcription factor	Primer sequence (5'-3')	Fragment location	(Ref.)
REL	GCTGCATGACCGCTAAACTA TGGGCATAGGCCTGAACTAA	chr11:62196641-62196818	(15)
ELK1	CAGACACCCCTTCAAATGT AATCCCTGAGACACCAGCAG	chr14:75744574-75744643	(16)
POU2F1	AGGTCTGCAACACAGCACAT CTGGGAGCTATGCCTGGTC	chr17:78491655-78491758	(17)
PAX6	ACAGTTGCCAGTAGTAGTCTTTTA TTCATATCATCCTAGCCAACAAT	chr1:242034200-242034303	(18)

REL, REL proto-oncogene; ELK1, transcription factor ELK1; POU2F1, POU class 2 homeobox 1; PAX6, paired box 6.