

c-Maf regulates pluripotency genes, proliferation/self-renewal, and lineage commitment in ROS-mediated senescence of human mesenchymal stem cells

Supplementary Material

Supplementary Table S1: Lists of primers used for RT-PCR assay.

Supplementary Table S2: Lists of primers used for ChIP-PCR assay.

Table S1. Lists of Primers Used for RT-PCR Assay

Gene	Forward Primer	Reverse Primer
<i>PPAR-γ2</i>	CGATGGGGATGCTCATAA	CTTTTGGCATACTCTGTGAT
<i>Lep</i>	TTCACACACGCAGTCAGT CTCC	GGCATACTGGTGAGGATCTG
<i>RUNX2</i>	ACCCAGAAGGCACAGACAG	TGGTAGAGTGGATGGACGG
<i>ALP</i>	AGCTGAACAGGAACAACGTGA	CTTCATGGTGCCCGTGGTC
<i>SOD2</i>	TGGACAAACCTCAGCCCTAAC	AAACCAAGCCAACCCCAACC
<i>CAT</i>	TACTCAGGTGCGGGCATTCC	TGATGAGCGGGTTACACGG
<i>PRDX6</i>	ACCTCCGCTACACACCCCC	AGAGTGCTGATGTATGAATGG
<i>c-Maf</i>	GACGACCGCTTCTCCGAC	CGCTGCTCACCAACTTCTC
<i>c-Myc</i>	TGCCTCAAATTGGACTTTGG	GATTGAAATTCTGTGTAAGTGC
<i>p16^{INK4a}</i>	TGCCTTCCCCCACTACCG	AACCCCCCTGAGCTTCCC
<i>p15^{INK4b}</i>	CGTTAAGTTTACGGCCAACG	GGTGAGAGTGGCAGGGTCT
<i>CCND2</i>	ATTGGCATGTCTGGTTCACA	GAACGCCAGATACCAGAAGC
<i>Arf</i>	TCTTGGTGACCCTCCGGAT	GGCAGTTGTGGCCCTGTAG
<i>p53</i>	TGTGGGGAGGAGGATGGG	AGGGAGAGGGAACAAGCAC
<i>p21</i>	ATGGGGCTGGGAGTAGTTG	AGACACAGAACAGTACAGGG
<i>p27</i>	TTGTTAGATAGCTGCATGTGG	TCAAAACTCCCAAGCACCTC
<i>Sox2</i>	TACCTCTTCCCTCCCACTCCAT	GGTAGTGCTGGGACATGTGA
<i>Oct4</i>	GTGGAGAGCAACTCCGATG	TGCAGAGCTTTGATGTCTCG
<i>Nanog</i>	GCTTGCCTTGCTTTGAAGCA	TTCTTGACCGGGACCTTGTC
<i>Klf4</i>	ACGATCGTGGCCCCGAAAAGGACC	TGATTGTAGTGCTTTCTGGCTGGGCTC
<i>β-actin</i>	GGCACCCAGCACAATGAAG	TGCGGTGGACGATGGAGG

Table S2. Lists of Primers Used for CHIP-PCR Assay

Genomic region	Forward Primer	Reverse Primer
<i>Sox2</i> : TM1+TM2	CCATCTCATCCTCCTCTAAC	CAAAGGGGCTCAAGGCCTG
<i>Sox2</i> : D	AAGAACAGAGCAAGTTACGTG	CTCTCCTCTCTTACCTTACAG
<i>Oct4</i> : TM	CCTCCTGTTCCGAAGCATG	TTCAATACCTGCCACAGGTC
<i>Oct4</i> : D	TGGGACCAGTTCTGATGACTC	CTGTTATGCCTGAAGGGTAG
<i>Nanog</i> : TM	TCGAGTCTTTGCATTGTGAAC	CTCTTAGCAAATCCCGATTATG
<i>Nanog</i> : D	GCCTGGCCAAAGGGTAGG	ACCAAATGAAGATGGGAGAC
<i>Klf4</i> : TM1	GGTTGAACTCCTCGAGGTC	CAGAGTCGGACGCCCTTG
<i>Klf4</i> : TM2	ATGGGTGCAGCACACCAAC	CCTCATCTCCTTGTGAACTC
<i>Klf4</i> : D	CCTAACCTCTAAAGTCTACAC	ACTGGATCCCTTCCTTACAC
<i>c-Myc</i> : TM1	GTGCACTTTCCTACTAGTATTCAG	TCGATTCTGATCAAAGAAGAGGAG
<i>c-Myc</i> : TM2	AACACTTGAACGCTGAGCTG	CTCCACCACCTCCAAAAGAG
<i>c-Myc</i> : TM3	AGAAGCCCAACCCACTCAG	CATCTTTGGTCTTTACCTC
<i>c-Myc</i> : D	CTACAAGCATAAGCCACCAC	GAATAGACATTTGCTGGGTTG
<i>CCND2</i> : TM1	CCAGCCAGCTTGCGTCAC	AGAAGGGAGGCGAGGATTG
<i>CCND2</i> : TM2	ACTTCAAAGCCAGAGCACAG	AAATGCACTCCACCTAGCAC
<i>CCND2</i> : CM1	TTTTAACACATGGCTGGAGTG	GCTCGCCATCGAATCCAATC
<i>CCND2</i> : CM2+CM3	TGAGCCGACCGCGGAATC	GTGTACAAAGCCTGGAGGTG
<i>CCND2</i> : D	TTCACGACTCTCAAGTGGAG	ATTTCTTTAGGTTATGGTCCTG