

**S2 Table.** Real-time quantitative primers used in this study

Gene	Strand	Sequence
MLL4	F	CTGCTTACCAAGAATAACCTG
MLL4	R	GAATCGCTATCCTCATCACTC
ATF1	F	GACAGTACATTGCCATTGCC
ATF1	R	GAAGAATAGTTGTACCTTGCTGAG
FOXP4	F	AGCAATGGTGAGATGAGTCC
FOXP4	R	TCTTGTAGTACTCCTGTAGCTG
KDM2A	F	CAACATTGAAGATCGGACAC
KDM2A	R	TTAACTCCAAATCCATGCTG
SOX2	F	AAAGTATCAGGAGTTGTCAAGG
SOX2	R	ATCAGGCGAAGAATAATTTGGG
SOX21	F	TCCATTCTTGACCAGTGACC
SOX21	R	GTGTCAGAAATCCAAGCGAG
PABL6	F	CACAAATGCTGTCCTTCGTC
PABL6	R	CCTCCTTACCTTCCTCACTG
SMAD9	F	GATACCAAATGGAGACTTTTCGAC
SMAD9	R	TCGGTGAACCCATCTATGAG
BMP6	F	CAGTGCTTCAGATTACAACAG
BMP6	R	GTCATCAAAGTAAAGAACCGAG
THBS1	F	GTGAAAGTTGTAAACTCCACC
THBS1	R	CATCACCCTCTAATGAAACC
RAB37	F	ATAGACTTCAGGAACAAGGTGG
RAB37	R	GTCATACAGCAGAAGCAAGG
RASSF4	F	CTACAATCATAAGACCTCCGT
RASSF4	R	CTTCCACCCTAAATTTGTTTCAG
PAQR3	F	CTTTCCAGGACAACCTAAACTACC
PAQR3	R	GCATGACATACACTGTTGAC
PIK3IP1	F	GATCATCATTGCCATCGGAG
PIK3IP1	R	ACGACAGTCTTCTCATCCAC
SIRT4	F	GCCATCTGAAACCAGATGTC
SIRT4	R	TATACCTGCAAGGATGATCCC
TENT5B	F	CCTGCCTACTAGACTTCCTG
TENT5B	R	AATTCAAACCTGGCGTCTCAC
LFNG	F	GTCTTCATCGCTGTCAAGAC
LFNG	R	GAAGATGAACGTCATCTCCT

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RBL1	F	CCACATATTAACAACAGCCAG
RBL1	R	GCTCTTTCACTGACAACATCC
BATF2	F	CTGTTCCCAAATAGCTCCCT
BATF2	R	GTCCTTCCTCATTCTTTCCTC
CXXC5	F	GCAGTTGTAGGAATCGAAAGAC
CXXC5	R	AAGCATCACCTTCTCCAGAG
p53	F	CAGCACATGACGGAGGTTGT
p53	R	TCATCCAAATACTCCACACGC
$\beta$ -Actin	F	CTGGAACGGTGAAGGTGACA
$\beta$ -Actin	R	AAGGGACTTCCTGTAACAATGCA

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