

Supplementary Table

Supplementary Table S1. Primers used for qRT-PCR, luciferase, overexpression and knockdown.

Primer Name	Primer Sequence (5' to 3')	Species	Type
H GAPDH-F	ATGTTCGTCATGGGTGTGAA	human	qPCR
H GAPDH-R	GTTGTCATGGATGACCTTGG	human	qPCR
H SRSF3-F	CGGCTTTGCTTTTGTGAAT	human	qPCR
H SRSF3-R	TGGGCCACGATTTCTACTTC	human	qPCR
H-CDK1-F	CTTTTCCATGGGGATCAGA	human	qPCR
H-CDK1-R	AGGCTTCCTGGTTTCCATTT	human	qPCR
H Mki67-F	TCAAGACCCAGTGAAGGAG	human	qPCR
H Mki67-R	AGATGGCTGTTTTGCTGCAT	human	qPCR
H CDKN1B-F	CATTTGGTGGACCCAAAGAC	human	qPCR
H CDKN1B-R	TTCTGAGGCCAGGCTTCTT	human	qPCR
H CDKN1A-F	CGACTGTGATGCGCTAATGG	human	qPCR
H CDKN1A-R	CTGCCTCCTCCCAACTCATC	human	qPCR
M GAPDH-F	AGGTCGGTGTGAACGGATTTG	mouse	qPCR
M GAPDH-R	TGTAGACCATGTAGTTGAGGTCA	mouse	qPCR
M Mki67-Forward	ACAGGCTCCGTACTTTCCAA	mouse	qPCR
M Mki67-Reverse	ATCAGACTGCTGCTTTGCTG	mouse	qPCR
M CDK1-qForward	GGGAATTGTGTTTTGCCACT	mouse	qPCR
M CDK1-qReverse	TCGGTACCACAGCGTCACTA	mouse	qPCR
M CDKN2D-F	GCTCTGGCTTTCGTGAACAT	mouse	qPCR
M CDKN2D-R	GGAGAAGGTAGTGGGGTCTT	mouse	qPCR
M CDKN1A-F	CGGTGGAACTTTGACTTCGT	mouse	qPCR
M CDKN1A-R	CAGGGCAGAGGAAGTACTGG	mouse	qPCR
M Lmb1-F	AGGCGAAGAAGAGCGGTAA	mouse	qPCR
M Lmb1-R	AATGCTAACACTGCTGCTCG	mouse	qPCR
M SRSF-F	TGATTACCGCAGGAGGAGTC	mouse	qPCR
M SRSF3-R	GATCGAGACGGCTTGTGATT	mouse	qPCR
M CCNB1-F	GGCTGACCCAAACCTCTGTA	mouse	qPCR
M CCNB1-R	GGTCTCCTGAAGCAGCCTAA	mouse	qPCR
H-PTENshort-F	GCGTGCAGATAATGACAAGG	human	qPCR
H-PTENshort-R	GCTAGCCTCTGGATTTGACG	human	qPCR
H-PTENlong-F	TTTGGATGTGCAGCAGCTTA	human	qPCR
H-PTENlong-R	ATTTGATGCTGCCGGTAAAC	human	qPCR
H NCOA1short-F	CAATCTGCAGCCATTCTTCA	human	qPCR
H NCOA1short-R	TGTCCAACCTGTTCTGCCTTG	human	qPCR
H NCOA1long-F	ACAGTGGAAAGAGGAGCATGG	human	qPCR
H NCOA1long-R	AGCCCTTCCACCAATCTTTT	human	qPCR
H Rbm25short-F	TGTTGCCATGGTACTTGATGA	human	qPCR
H Rbm25short-R	CCTTAAAAGGGTGGCAAAGA	human	qPCR
H Rbm25long-F	TTGGTGGGGTCCTTAAACA	human	qPCR
H Rbm25long-R	GAGAAGCTGAAGCAGCCATC	human	qPCR
H DHX36short-F	ACACAGGAAAAGGCAACTCC	human	qPCR
H DHX36short-R	TTGTTTCATGTCCCAGGGTTT	human	qPCR
H DHX36long-F	TTCTGTGCAGCTCTGTGTCC	human	qPCR
H DHX36long-R	CACTTCTCAGCTGCCATTCA	human	qPCR
H LAMC1short-F	GGACATTCGCAATCTGGAGG	human	qPCR
H LAMC1short-R	TGCCTTCCAGCCCTAAAGAC	human	qPCR
H LAMC1long-F	CCGCAACACAGCCATTATTT	human	qPCR
H LAMC1long-R	ATCCCTGTGTCAACCAGCAT	human	qPCR
H PCGF5short-F	CCTTTTGCCAAGAATTCCAA	human	qPCR
H PCGF5short-R	TGTGATCAGCTGCCAACATT	human	qPCR
H PCGF5long-F	AATGGGTACAGAACAAGCA	human	qPCR

H PCGF5long-R	TGCATCCATTTTCACCCATC	human	qPCR
H CUL4Bshort-F	CGGTTGAAGAACAAGCAAGC	human	qPCR
H CUL4Bshort-R	TCCATGTAGTCCCGGTCAAT	human	qPCR
H CUL4Blong-F	TGTTGTTGAACTCTTGCATGTT	human	qPCR
H CUL4Blong-R	AAGCAAATAAACCTTTTGCTTCA	human	qPCR
H IGF2BP1short-F	AAAAACGGTGAACGAGTTGC	human	qPCR
H IGF2BP1short-R	CCAGGATGTCTCGGATCTTC	human	qPCR
H IGF2BP1long-F	ACATATGGAAAAGCCCATGC	human	qPCR
H IGF2BP1long-R	GGGGGAACAAAAAGGAAAAT	human	qPCR
H DDX5short-F	TCCAACAGGGACTTACCAGAA	human	qPCR
H DDX5short-R	GAATATCCTGTTGGCATTGGA	human	qPCR
H DDX5long-F	TGTGAGAACGTGGGTGACTT	human	qPCR
H DDX5long-R	AGCTTAGCTCCTGGCCATCT	human	qPCR
H HOXC9short-F	AGACGCTGGAAGTGGAGAAG	human	qPCR
H HOXC9short-R	AGGCTGGGTAGGGTTAGGA	human	qPCR
H HOXC9long-F	GCTCTGCGTGCAGATTTTGT	human	qPCR
H HOXC9long-R	GGGGATGAGAGGGAACACTA	human	qPCR
H RAB2Ashort-F	ATTAATAATTGGCCCTCAGCA	human	qPCR
H RAB2Ashort-R	GAGGAGAGGGGGTGAAGAA	human	qPCR
H RAB2Along-F	GGAATTGCTTGGACACTGAA	human	qPCR
H RAB2Along-R	GGCAAACAAATCCCTTTCTG	human	qPCR
M DNMT3Ashort-F	TCTCAACAGCACCATTCCTG	mouse	qPCR
M DNMT3Ashort-R	TGTGTGGTAGGCACCTGAAA	mouse	qPCR
M DNMT3Along-F	TAGAAGGGCCGTCTGTATGC	mouse	qPCR
M DNMT3Along-R	CTTTCCCAGTCTGCTCAAGG	mouse	qPCR
M CREB1short-F	AAGCAGCACGGAAGAGAGAG	mouse	qPCR
M CREB1short-R	TTTCAAGCACTGCCACTCTG	mouse	qPCR
M CREB1short-F	CCCCAGTGGAACCTAGACAT	mouse	qPCR
M CREB1short-R	CCCTGTTTTGTGCTGACAGT	mouse	qPCR
M PIAS1short-F	TCCCTGTCTCCTACGTCACC	mouse	qPCR
M PIAS1short-R	TAAGGCATAGGCGTCATGTG	mouse	qPCR
M PIAS1long-F	GGATGGGTTTGGGATAGCTT	mouse	qPCR
M PIAS1long-R	ACAGGTACACAGGCGCTCTT	mouse	qPCR
M FOSL1short-F	GGAAGTGCAGTGGATGGTG	mouse	qPCR
M FOSL1short-R	CCCTAGGGCTCGTATGACTC	mouse	qPCR
M FOSL1long-F	GGCAGCCCAGACTTTGTAGA	mouse	qPCR
M FOSL1long-R	TCAAAGGGCACCTTCTGTCT	mouse	qPCR
M HDAC4short-F	CGCTATGACGATGGGAAGT	mouse	qPCR
M HDAC4short-R	CATCTGGGGCAAACCTCATTT	mouse	qPCR
M HDAC4long-F	AGATGCCATTTCCCAATCTG	mouse	qPCR
M HDAC4long-R	TGGAGCACACACAGCTTCAT	mouse	qPCR
M E2F3short-F	ATTTGGAAAAGCTGCCTCTG	mouse	qPCR
M E2F3short-R	GGACAACACTGCGATACACG	mouse	qPCR
M E2F3long-F	TTCTGTTGTTTTCGCCTGTG	mouse	qPCR
M E2F3long-R	TGCACACGCTTGATTCTTA	mouse	qPCR
M PTENshort-F	TGGCAATAGGACATTGTGTCA	mouse	qPCR
M PTENshort-R	ACAAGTGTCAAACCCCTGTGG	mouse	qPCR
M PTENlong-F	TCGGGAATTTGGTGTCTTTC	mouse	qPCR
M PTENlong-R	GATGGCGTTCTGCCTAATCT	mouse	qPCR
M MECP2short-F	AACAGAGAGGAGCCTGTGGA	mouse	qPCR
M MECP2short-R	AATCGGGAAGCTTTGTCAGA	mouse	qPCR
M MECP2long-F	CAGGCTGAGGAGACATCACA	mouse	qPCR
M MECP2long-R	CCTAGCCCCCTCAGTTTTT	mouse	qPCR
M TRAF3short-F	CTGACCCCTGACAAGAAAGC	mouse	qPCR
M TRAF3short-R	CTCGACCTCCTTCTCCTCCT	mouse	qPCR
M TRAF3long-F	CCCTCTCAGCTCACTGTTCC	mouse	qPCR

M TRAF3long-R	TGGTTTGCACACATTGGTTT	mouse	qPCR
M SSBP3short-F	TGCAAGAAGTGAGGTGTCCA	mouse	qPCR
M SSBP3short-R	GAGAGTTTTCTGGCCGTTGA	mouse	qPCR
M SSBP3long-F	GATGGACAGACTTCGGCATT	mouse	qPCR
M SSBP3long-R	GACAGGCTCCATCATCAGGT	mouse	qPCR
M NEO1short-F	TGAACCAGATGAGCTGACCA	mouse	qPCR
M NEO1short-R	AGGCTTGGAGTCATGTCCAG	mouse	qPCR
M NEO1long-F	TGGGTGATTTTACCCCTTTG	mouse	qPCR
M NEO1long-R	CCGTCATGTGACCAGCTAGA	mouse	qPCR
M RASA2short-F	AAGAATGGACATCGGCTTTG	mouse	qPCR
M RASA2short-R	TTCCCATCAGAAGGAAGCTG	mouse	qPCR
M RASA2long-F	CAGAGTCCAAGGACAGTCAGG	mouse	qPCR
M RASA2long-R	TTGCAGAAGCAGAGAAAGGAG	mouse	qPCR
M RAB2Ashort-F	CCAAGAAGGGTCTTTGACA	mouse	qPCR
M RAB2Ashort-R	AGCTAGCCGGTAACACCAGA	mouse	qPCR
M RAB2Along-F	GAGACCGCTTCACAAAAGGA	mouse	qPCR
M RAB2Along-R	GGGAAGAGTAAGTGGCATGG	mouse	qPCR
M DHX36short-F	CCCTGGGTTATGACTTGCTT	mouse	qPCR
M DHX36short-R	TGGGAATTCTCCCAAAGTGT	mouse	qPCR
M DHX36long-F	TGCTGGTTCAGGTAAGTGTG	mouse	qPCR
M DHX36long-R	CCTTGACTTTAGGGGCAAAA	mouse	Luciferase
M_PTENshortUTR-F	CCGCTCGAGCCAGAGAATGAACCTT TTGATG	mouse	Luciferase
M_PTENshortUTR-R	CGGGTTTAAACTGGAATAAAATGGG AAAGTGC	mouse	Luciferase
M_PTENlongUTR-F	CGGGTTTAAACTGACAAGAATGAGA CTTTAATC	mouse	Luciferase
M_PIAS1shortUTR-F	CCGCTCGAGCGCTCTCACCCCTGCTG CT	mouse	Luciferase
M_PIAS1shortUTR-R	CGGGTTTAAACTGAAAATATAGTTTT GTTCTC	mouse	Luciferase
M_PIAS1longUTR-R	CGGGTTTAAACAACCTGATAACAAAT GTCTTG	mouse	Luciferase
H_PTENshortUTR-F	CCGCTCGAGTAGAGGAGCCGTCAAA TCCA	human	Luciferase
H_PTENshortUTR-R	CGGGTTTAAACTCAGTTTATTCAAGT TTATT	human	Luciferase
H_PTENlongUTR-R	CGGGTTTAAACTGACAAGAATGAGA CTTTAA	human	Luciferase
H_PTENOE-F	CGGAATTCGCCACC TTCCATCCTGCAGAAGAAGC	human	Over expression
H_PTENOE-R	CGCGGATCC CTTATCGTCGTCATCCTTGTAATC GACTTTTGTAATTTGTGTATGCTGA	human	Over expression
M_PTENOE-F	GAATTCGCCACCACAGGCTCCAG CATGACA	mouse	Over expression
M_PTENOE-R	GGATCCGACTTTTGTAATTTGTGAAT GCTGA	mouse	Over expression
M_PIAS1OE-F	GAATTCGCCACCCAAGATGGCGGAC AGTGC	mouse	Over expression
M_PIAS1OE-R	GGATCCGTCCAATGAGATAATGTCTG G	mouse	Over expression
M_DNMT3AOE-F	GAATTCGCCACCGCCTACTGCCAG CAATG	mouse	Over expression
M_DNMT3AOE-R	GGATCCCACACAAGCAAAATATTCC TTCAGC	mouse	Over expression
H_SRSF3shRNA1-F	CCGGTGGAACTGTCAATGGTGAAA	human	Knock down

	CTCGAGTTTCACCATTCGACAGTTCC ATTTTTG		
H_SRSF3shRNA1-R	AATTCAAAAATGGAAGTGTGCAATG GTGAAACTCGAGTTTCACCATTCGA CAGTTCCA	human	Knock down
H_SRSF3shRNA2-F	CCGGCGAGAGCTAGATGGAAGAAC ACTCGAGTGTCTTCCATCTAGCTCT CGTTTTG	human	Knock down
H_SRSF3shRNA2-R	AATTCAAAAACGAGAGCTAGATGGA AGAACACTCGAGTGTCTTCCATCTA GCTCTCG	human	Knock down
M_SRSF3shRNA1-F	CCGGTAAGAGTGGAACTGTGCAATG CTCGAGCATTTCGACAGTTCCACTCTT ATTTTTG	mouse	Knock down
M_SRSF3shRNA1-R	AATTCAAAAATAAGAGTGGAACTGT CGAATG CTCGAGCATTTCGACAGTTCCACTCTT A	mouse	Knock down
M_SRSF3shRNA2-F	CCGGGCGGAAATTGAAAGAAGCTAT CTCGAGATAGCTTCTTTCAATTTCCG CTTTTTG	mouse	Knock down
M_SRSF3shRNA2-R	AATTCAAAAAGCGGAAATTGAAAGA AGCTATCTCGAGATAGCTTCTTTCAA TTTCCGC	mouse	Knock down