

**Table S1. Oligonucleotides used in this study**

Gene	Oligo name	Sequence forward oligo (5'-3')	Oligo name	Sequence reverse oligo (5'-3')	Use
MCM7	OLEY306	CCGACCGAGACAATGACCTAC	OLEY307	CTCCACCACATCC ACCATTC	QPCR
SIX1	OLEY431	AAGGAGAAGTCGAGGGGTGT	OLEY432	TGCTTGTTGGAGGAGGAGTT	QPCR
FOXA1	OLEY413	GTGGCTCCAGGATGTTAGGA	OLEY414	GCCTGAGTTCATGTTGCTGA	QPCR
RUNX1	OLEY415	GGCTGGCAATGATGAAAACCT	OLEY416	TGATGGCTCTGTGGTAGGTG	QPCR
EP300	OLEY417	AGCCAAGCGGCCTAAAACCT	OLEY418	TCACCACCATTGGTTAGTCCC	QPCR
RPS14	OLEY373	TCACCGCCCTACACATCAAACCT	OLEY374	CTGCGAGTGCTGTCAGAGG	QPCR
SMAD7	OLEY480	ATGCTGTGCCCTTCCCTCCGCTG	OLEY481	CCACGCACCAGTGTGACCGA	QPCR
VIM	VIMs	ACATTGAGATTGCCACCT	VIMas	TCCAGATTAGTTTCCCTCAAG	QPCR
JAG1	CDH1s	GATTCTGCTGCTCTTGCT	CDH1as	GTCAAAGTCCTGGTCCTC	QPCR
SNAI1	OLEY442	AGGCCATGTCCGGACCCACA	OLEY443	GTGGAGCAGGGACATTCCGGGA	QPCR
ATF3	OLEY444	CACAGTCGCACGCAGCCA	OLEY445	CCTGGCCTGGGTGTTGAAGCA	QPCR
ATF4	OLEY446	CTCCGGGACAGATTGGATGTT	OLEY447	GGCTGCTTATTAGTCTCCTGGAC	QPCR
PPARA	OLEY448	AGGGCCCTGTCTGCTCTGTGG	OLEY449	GCCGCCGAGCTCCAAGCTAC	QPCR
PTK2B	OLEY450	TGCTCGCTACCGAACCCCA	OLEY451	CCTCTGGAACTGCAGCTTTGG	QPCR
MSX2	OLEY452	ATGGAGCGGCGTGGATGCAG	OLEY453	GCGCGGCTTCCGATTGGTCT	QPCR
TGFB3	OLEY456	GACACTGTGCGTGAGTGGCTGT	OLEY457	GAGGCGCCCCAGATCTCCAC	QPCR
CAMK2N1	OLEY458	AGAACAAGCGGCCGCCAAG	OLEY459	ACACCAGGAGGTGCCTTGTCG	QPCR
JAG1	OLEY460	ACGACCGCAACCGCATCGTG	OLEY461	AAAGTGGGCAACGCCCGTGT	QPCR
MMP9	OLEY462	GGTGCCTTTGGACACGCACGA	OLEY463	GGCACTGCCAAAGCAGGACG	QPCR
PAI1	OLEY464	ACCGCCAATCGCAAGGCACC	OLEY465	CCCCGAAGTCTGAGGCCAGGT	QPCR
TMEFF1	OLEY466	CCCGGCGCAAAGGCAAGAG	OLEY467	GTCCCCATTTGATCCACAGACAGGA	QPCR
CCND1	OLEY468	CCGCAATGACCCCGCACGAT	OLEY469	TGCCACCATGGAGGGCGGAT	QPCR
MSX1	OLEY474	GAGAGCCCCGAGAAGCCCGA	OLEY475	TCCGCGGCTTACGGTTCGTC	QPCR
SMAD3	OLEY476	AGGCGGTCAAGAGCCTGGTCA	OLEY477	CATCGCCACAGGCGGCAGTA	QPCR
IGFBP4	OLEY478	TGATGCACGGGCAAGGCGTG	OLEY479	CCTGCGGTCATGGGCGCTAC	QPCR
miR-106b~25	BamHI- 106b~25 F	GGGGATCCATAGCCATGTGCCGCGAGAAGCAGCCCATG	EcoRI -106b~25 R	GGGAATTCCTAGCTGTCTGCCCTTGCTCTCCTAGAAGAGAG	Cloning miR cluster
miR-106b			OLEY382	GGGAATTCTAGCTCAGCAGTAGGTTGGGTAATCACACTACCTGCACGA	Cloning miR-106b
miR-93	OLEY384	GGGGATCCTGTGGGTACTTGCTGCTCCAGCAGGGCACG	OLEY383	GGGAATTCTTGCCCAAGTCTCCGCCTCTCAACACTGGC	Cloning miR-93
miR-25	OLEY385	GGGGATCCACCCAACCTACTGCTGAGCTAGCACTTCCC			Cloning miR-25