

Table SI. Primers, shRNA sequences and FISH probe.

A, Primers		
Genes	Forward primer (5'-3')	Reverse primer (5'-3')
lncCCAT1	GCCGTGTTAAGCATTGCGAA	TCATGTCTCGGCACCTTTCC
ACC1	ATGAACCATCTCCCTTGGCC	TCCCCAAAGCGAGTAACAA
ACLY	GACTTCGGCAGAGGTAGAGC	TCAGGAGTGACCCGAGCATA
ELOVL6	CCTGGATGTAGCTGAGAGGC	CTTCCGGGAGACTCGGAAAC
FASN	AGGCCTCATAGACCTGCTGA	GGGAGATGAGGGGAGTTCC
SCD1	CTGGCTTGCTGATGATGTGC	TCTCCGGTCATAGGCCAGA
SCD5	TCTGGGGAGAGAGTCTGTGG	TTGTCATAGGGCCGGTTTCC
PKM2	TCTCTTCGTCTTTGCAGCGT	AGATCTTGCTGCCACTTCC
SREBP2	GGGTTGTCGGGTGTCATGG	GGCTGCCATCTGTCTTCAGT
GAPDH	CGGAGTCAACGATTTGGTCGTAT	AGCCTTCTCCATGGTGGTGAAGAC

B, shRNA sequences (5'-3')	
sh-NC (lncCCAT1)	CCGGATGTGGCTTTTCATTCTTATACTCGAGTATAAGAATGAAAAGCCACA TTTTTTG
sh- lncCCAT1#1	CCGGTAGAAGTTAAACATTCATCCACTCGAGTGGATGAATGTTAACTTCT ATTTTTG
sh- lncCCAT1#2	CCGGAGAAGTTAAACATTCATCCAGCTCGAGCTGGATGAATGTTAACTTC TTTTTTG
sh- lncCCAT1#3	CCGGTTGCTAATCTAGAAGAAGGGACTCGAGTCCCTTCTTCTAGATTAGCA ATTTTTG
sh-NC (PKM2)	CCGGAAATAGATTGTCCCTCTGTTCCCTCGAGGAACAGAGGGACAATCTAT TTTTTTTG
sh-PKM2#1	CCGGTTAATCATCTCCTTCAACGTCCTCGAGGACGTTGAAGGAGATGATTA ATTTTTG
sh-PKM2#2	CCGGACTTCATGGACATCAGATGCCCTCGAGGGCATCTGATGTCCATGAA GTTTTTTG
sh-PKM2#3	CCGGAATTGCAAGTGGTAGATGGCACTCGAGTGCCATCTACCACTTGCAA TTTTTTTG

C, FISH probe (5'-3')	
lncCCAT1 probe	ATTATGCTGAGTGATATCCTTACAAATGGGATTCTTCACCCACTCCCTTCTT CTAGATTAGCAATGCCCTGTTAAGTAAACGAACACGAAATTCAAAGGGAA ACAGGAGCAATCATCATTACCAGCTGCCGTGTTAAGCATTGCGAAAACGC TCACGATTCACAGAAAAATCCATGCTGTTCTTTGAAGGCATTCAAGCCTTA ATAGCTAGCTGGATGAATGTTTAACTTCTAGGCCAGGCACTACTCTGTCCC AACATAAGCCCTGTACATTGGGAAAGGTGCCGAGACATGAACTTTGGTC TTCTCTGCAATCCATCTGGAGCATTCACTGACAACATCGACTTTGAAGTTG CACTGACCTGGCCAGCCCTGCCACTTACCAGGTTGGCTCTGTATGGCTAAG CGTTTTCTCCTAAAATCCCTTGA AAAACTGTGAGAAGACCATAAGAAGATC ATATCTTTAATTCTATTTACACAAGTCACACAATATTCCAATCAAATACAGA TGGTTGAGAAAAGTCATCCATCTTCCCTCCCCACCCTCCCACAGCCCCTCA ACCACTGCCCTGAAACTTATATGCTGTTATCCGCAGCTCCATCTGGAGCAT CACAGCTACTGTCAACCCTGACGCTCTTTCTGAAAAAACACCGGATGGAC ATCAGAACTATTTCTTTAAGGATGTTACTGAGCCACACAGGAAAACCTTGCC TTATGATTTTGAATGCACGGATCTGATTTGACTAAACATGATAACTAGAGA ATCACCAATCTACTCCATTTTCAACTCTAAATCATCAGAGTGTCTCAA TCCAAAGCACACACAGACCAGCCTGGCCAACACGGTGA AACTCCACCCCT ACTAAAAGTATAAAAATTATCCAGGTGTGGTGGCGGGCGCCTGTAATCCA AGCTACTTGGGAGTCTGGAGGCAGGAGATAACCCCTGAACTGGGAGATGG AGGTTGCAGTGAGCAGAGATCACACCACCGCACTCTAGCCTGGGCCACAA ATCAACAACAACAACAACAACAACAACAACAAGCGCACACAGAGACTGAG GTCTCTTTGGCATTGAGAAGATGGCTATGCAAGTCCCAACTAGCAAGTG CAAACCTCCAGCTTCACTTCTGCCAGTGTCCTTCAACCCCTTCTCAACCC ACTGGGAGGCAGGAGGGTGCTTGACAATAACAGCCTTGGCATCACTCTGC

	CAGGGTGAATAGGAACTGTTACAATTCTGAGATTCTGTGTAAGCACTGG CCTTTCTGCCTAGAATGCCTTCTCCTCTCTT
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