Gene	Forward (5'-3')	Reverse (5'-3')
siLuc	CGUACGCGGAAUACUUCGA(dT)(dT)	UCGAAGUAUUCCGCGUACG(dT)(dT)
siKDM6A	GACAACAAGGCAUUACCUU(dT)(dT)	AAGGUAAUGCCUUGUUGUC(dT)(dT)
siHNF4A	GACAACAAGGCAUUACCUU(dT)(dT)	AACACCAUGGAUCUCUUGG(dT)(dT)
siCREBH	CCUGUACGAGUGUUCUCCA(dT)(dT)	UGGAGAACACUCGUACAGG(dT)(dT)
siKMT2C	CAGCUAAGAAGAUCAGUAU(dT)(dT)	AUACUGAUCUUCUUAGCUG(dT)(dT)
siKMT2D	CAUCUACAUGUUCCGAAUA(dT)(dT)	UAUUCGGAACAUGUAGAUG(dT)(dT)
siUTY	GCAUAUCAGAGAUAUUACA(dT)(dT)	UGUAAUAUCUCUGAUAUGC(dT)(dT)

Supplementary Table 1: siRNA for human cell lines.

human primers		
Gene	Forward (5'-3')	Reverse (5'-3')
APOA1	CCCTGGGATCGAGTGAAGGA	CTGGGACACATAGTCTCTGCC
APOM	GCTACCATCCGCATGAAAGAT	CTGGCCTGTCTCATTCAGCA
APOH	ATACAATTACCTGCACGACACAT	GGCCATCCAGAGAATATCCATCA
KDM6A	GGACATGCTGTGTCACATCCT	CTCCTGTTGGTCTCATTTGGTG
HNF4A	CACGGGCAAACACTACGGT	TTGACCTTCGAGTGCTGATCC
APOC1	TCCAGTGCCTTGGATAAGCTG	GGCTGATGAGTTCCCGAGC
APOC2	TGTCCTCCTGGTATTGGGATTT	TGTCTTCTCGTACAGGTTCTGG
UBC	CTGGAAGATGGTCGTACCCTG	GGTCTTGCCAGTGAGTGTCT
HMBS	AGCTTGCTCGCATACAGACG	AGCTCCTTGGTAAACAGGCTT
KMT2C	TGGGTTCACCTAGAGTGTGAC	CTGGCTGTAAACGATCCATCTC
KMT2D	AAAGCCCCCTACCTGCAAAA	TCGGTCAGTCTTACGGGCTA
CREBH	ATGAATACGGATTTAGCTGCTGG	AGGAAGTCGTCAGAGTCGGG
UTY	CGCAGTGTCGCTCACTACC	GTCAGGCTAACAGACTCCTCTT
SHP	CTCTTCAACCCCGATGTGCCA	CAGGGTTCCAGGACTTCACA
BSEP	CATGTCACTCCCAGAGAAATATGA	CAATGCGTTGTTTCTCCCCG
CYP7A1	GAGAAGGCAAACGGGTGAAC	GGATTGGCACCAAATTGCAGA
CYP8B1	GAAGCGCATGAGGACCAAG	TTGCATATTGCCCAAAGTCTAGT
ABCA1	ACCCACCCTATGAACAACATGA	GAGTCGGGTAACGGAAACAGG
SREBP1C	CGGAGCCATGGATTGCACTTTC	GATGCTCAGTGGCACTGACTCTTC
SREBP2	AACGGTCATTCACCCAGGTC	GGCTGAAGAATAGGAGTTGCC
mice primers		
Apoa1	GCTCAAGAGCAACCCTACCTT	GCTTTCTCGCCAAGTGTCTTC
Apom	TAACTCCATGAATCAGTGCCCT	CCCGCAATAAAGTACCACAGG
Apoh	TGCCATGTTGCTATTGCAGGA	GGCTTGCAGGAGTAGACAATCT
Kdm6a	CGGGCGGACAAAAGAAGAAC	CATAGACTTGCATCAGATCCTCC
Shp	CTCTTCAACCCAGATGTGCCA	CAGGGCTCCAAGACTTCACA
Bsep	CGCATTGCTATTGCTCGGG	CAAGCTGCACTGTCTTTTCACTT
Ntcp	TTGCGCCATAGGGATCTTCC	ATCATGCCTGCCTTGAGGAC
Srebp1c	ATCGGCGCGGAAGCTGTCGGGGTAGCGTC	ACTGTCTTGGTTGTTGATGAGCTGGAGCAT
Srebp2	GCAGCAACGGGACCATTCT	CCCCATGACTAAGTCCTTCAACT
Abca1	GCTTGTTGGCCTCAGTTAAGG	GTAGCTCAGGCGTACAGAGAT
Baat	CCAGTCTTCTGGCAAGTCGT	GCCGAGGACCTTAGGATGTC
Pcsk9	TTGCCCCATGTGGAGTACATT	GGGAGCGGTCTTCCTCTGT
Ldlr	TGACTCAGACGAACAAGGCTG	ATCTAGGCAATCTCGGTCTCC
Cyp7a1	GCTAAGACGCACCTCGTGAT	TCAGGGCTCCTGATCATTTGAA
Cyp8b1	TCTTTGCCCTCAGCGAGATG	CTAGGCTGTGAGGTGCCAAA
Rplpo	AGATTCGGGATATGCTGTTGGC	TCGGGTCCTAGACCAGTGTTC
Dgat2	TTCCTGGCATAAGGCCCTATT	CCTCCAGACATCAGGTACTCG
Abcc6	TGCGGCCTATCACTTGCTC	CCAGCACCATTTTGGTTTTGAA
Apoa5	TCCTCGCAGTGTTCGCAAG	CGAAGCTGCCTTTCAGGTTCT
Scap	CCGAGCATTCCAACTGGTG	CCATGTTCGGGAAGTAGGCT
Lcat	GTAACCACACACGGCCTGTC	TCTTACGGTAGCACATCCAGTT
Mrp2	ACATCTGCTTCCCTTGAGGC	AGAGATTCCAAAAAGTAGAGTTGC

Supplementary table 2: qPCR primers for human and mice.