

Table S2

shRNA sequences used in this study

shRNA	Sense sequence
UGCG.1275	GTGGACCAAACACTACGAATTAA
UGCG.1514	TCCGCGAATCCATGACAATAT
UGCG.1376	ATGTGTTTCAGATGGGATATTA
SGMS1.1996	CACACTATGGCCAATCAGCAA

siRNA sequences used in this study

siRNA	Target sequence
siUGCG(SASI_Hs01_00050364)	GTGGAAACATTAGCTGATAAT
siUGCG(SASI_Hs01_00050365)	GTTGCAAAGTATGATCTTA
siUGCG(SASI_Hs01_00050366)	GAAGATTACTTTATGGCCA
siSGMS1(SASI_Hs01_00060990)	CTTGTAGGACTCTGGTTAA
siSGMS1(SASI_Hs01_00060991)	CACATAACAGCTGTACAAA
siSGMS1(SASI_Hs01_00060992)	GCCAAATGGGTATAGGAAA
Scramble control(SIC002-1NMOL)	

Table S3

Primers used for quantitative Real-Time PCR

Gene	Forward primer	Reverse primer
SGMS1	5'-TAGTTGGCACGCTGTACCTG	5'-GGCCGCTGTACAGATAGTCC
SGMS2	5'-TCCAAAGCTCAATGGAGACTC	5'-GTGTGACCGCTGAAGAGGAA
UGCG	5'-TGCTCAGTACATTGCCGAAG	5'-TTCGTAGTTTGGTCCACCTG
ASAH1	5'-ACGTACAGAGGTGCAGTTCC	5'-AAGTTGCCAAGTAGGCCAGG
ASAH2	5'-ACGTTGCATCAACACAGGAG	5'-CTCTGATACATGGCCCGTCC
ACER1	5'-CCCAGTTCATCCGCCTGGTC	5'-ACCTCAATCAGGTGCCGAAG
ACER3	5'-TGCAGCTATTGGATGAACTC	5'-CCATGGATAAACCCATGTAAC
SMPD1	5'-CTCCCCTGGCTCTATGAAG	5'-AGAGAGATGAGGCGGAGACC
SMPD2	5'-GGGGCATTCCGTAATTGAGC	5'-GTGTGCAGCTGGGTAGGTAG
ENPP7	5'-CCAGAGGTGGTGGGACAAC	5'-TTTGTAGTTGTGTGCGATGC
CERS1	5'-GGCCACTCCATCTACGCTAC	5'-GTGAACTCAAGCTGCACGTC
CERS2	5'-TTAACTACGCGGGATGGAAG	5'-GGCAGGATAGAGCTCCAGTG
CERS3	5'-TGGACGCAGACCTGTAACAC	5'-GAAAAGAAAGGCTCGAGGTG
CERS4	5'-TGGTGCTGCTGTTACACGAT	5'-GTGGGAAAGAGGACCAGTCG
CERS5	5'-ATGCTTCATGGTGGCTCCTC	5'-CTGCCTCCCATGTGACCATT
CERS6	5'-CAAGGCTGGGAAGTGAACC	5'-GTGGGGATTCTTTCCCGGAG
GBA	5'-CCTGCCCTTGGTACCTTCAG	5'-TGTCATGGCCCCTCCAAATC
GALC	5'-AGACAACAGACGGCACTGAG	5'-ATGACCATGGCAACCCAATG
RPL19	5'-AAGCCTGTGACGGTCCATTC	5'-CTTCTTAGATTCACGGTATC