

Extended data table S1: Antibodies used in this study.

Protein	Source	Catalog ID
HA-Tag (C29F4)	Cell Signaling Technology	3724S
His-Tag (27E8)	Cell Signaling Technology	2366S
HMGCR	Millipore-Sigma	ABS229
FDPS	Abcam	ab153805
LDLR	Cayman Chemical	10007665
SQLE	Millipore-Sigma	AV42101
CALNEXIN	Abcam	ab10286
APOB	Millipore-Sigma	AB742
APOA1	Meridian	K23500R
SR-B1	Abcam	ab217318
ABCA1	Novus Biologicals	NB-400-105
ACTIN	Millipore-Sigma	A2066
PAN-CADHERIN	Santa Cruz	sc-59876
ATGL	Cell Signaling Technology	2138S
SREBP-2	Millipore-Sigma	MABS1988MI
LAMIN A/C	Santa Cruz	sc-6215
SMPD3	Abcam	ab85017
E-CADHERIN	BD Biosciences	610181

Extended data table S2. Primer sequences used in this study.

qPCR primers	Forward	Reverse
mAster-A	CAGCAGATGCTCTTCTCGGA	TCTGAGGATACACGAAGCCG
mAster-B	TCCAATGCCATCCAAGTC	ACAAAGTGCCAGAGCTCC
mAster-C	CCGTGTCTTTCACATCAGTGC	ACTTCCCAGTTAGCGGGTTG
mSREBP2	ACCTAGACCTCGCCAAAGGT	GCACGGATAAGCAGGTTTGT
mHMGCR	CTTGTGGAATGCCTTGTGATT	AGCCGAAGCAGCACATGAT
mHMGCS	GCC GTG AAC TGG GTC GAA	GCA TAT ATA GCA ATG TCT CCT
mLDLR	AGGCTGTGGGCTCCATAGG	TGC GGT CCA GGG TCA TCT
mSQLE	GCCTCTCAGAATGGTCTGTCT	CGCATGTCCCAGAATAAGGA
mInsig1	CACGCCAGTGCCAAATTAGA	CCCAAGGCCGCTTCG
mSrepb1c	GGAGCCATGGATTGCACATT	GGCCCGGAAGTCACTGT
mAbca1	GGTTTGGAGATGGTTATACAATAGTTGT	TTCCCGGAAACGCAAGTC
mAbcg1	AGGTCTCAGCCTTCTAAAGTTCCTC	TCTCTCGAAGTGAATGAAATTTATCG
mSr-b1	TCCTGGGAGCCCTTTTACT	GCCCATCATCTGCCAACT
mBesp	CCTTGGTAGAGAAGAGGCGACA	ATGGCTACCCTTTGCTTCTGCC
mMafg	TCAAGCGGGTGACACAGAAGGA	CCAGCTTCATGCTGGCATTCTC
mCyp7a1	CACCATTCTGCAACCTTCTGG	ATGGCATTCCCTCCAGAGCTGA
mSmpd1	AACTCTGAGCCGACCACTAGCT	GTCCAGGACCACATGAGAGCTT
mSmpd2	TGCCTGCTGAAAGAGTGGACAG	TGGCTGACGTAGCAGTTCTTGG
mSmpd3	TCAACAGCGGTCTCTTCTTCGC	CTTTGGTCTGAGGTGTGCTTC
mSmpd4	AGCCTCGCTTTGTCCAGCAGAA	TGCAGGTAGCTCAGCCACATCT

Genotyping primers	Forward	Reverse
Aster-A flox/flox	AAGACATCATAGTTTCGGGAAGC	CGTCTAGCTCTGAACCTCAAGAC
Aster-B flox/flox	AAAGTGTGTTGGTTAACTCTTGGG	GTTTACAGTCCTAGCCCAAACATC
Aster-C flox/flox	AATGCTGTTTGAGTTGCTGA	GACAAGCAAATATGCACGTGTT
3xHA-Aster-C	attaattgccgccagaggacgc	taacactccgtcgcttagccag
mFxr KO	gctctaaggagagtcactgtgca	gcatgctctgtcataaacgccat
Cre genotyping	GCGGTCTGGCAGTAAAACTATC	GTGAAACAGCATTGCTGTCACTT
Cre internal control genotyping	CTAGGCCACAGAATTGAAAGATCT	GTAGGTGGAATTCTAGCATCATCC