

Appendix A. Supplementary data

Table S1 Gene names and primer sequence

Gene symbol	Gene name	Primer sequence ((5'to3'))
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	F: GTTGTCTCCTGCGACTTCA R: GCCCCTCCTGTTATTATGG
FGFR4	Fibroblast growth factor receptor 4	F: ATGACCGTCGTACACAATCTTAC R: TGCCAGTAGGGTGCTTGC
ASBT	Apical sodium-dependent bile acid transporter	F: GGAAGTGGCTCCAATATCCTG R: GTTCCCGAGTCAACCCACAT
IBABP	Ileal bile acid-binding protein	F: CCTTCAGTGGCAAATATG R: GACCTCTGTGATGATCTT
Oatp1a1	Organic anion transporting polypeptide-1a1	F: ATCCAGTGTGTGGGGACAAT R: GCAGCTGCAATTTTGAAACA
Oatp1b2	Organic anion transporting polypeptide-1b2	F: CAAACTCAGCATCCAAGCAA R: GGCTGCCAAAATATCCTGA
FXR	Farnesoid X receptor	F: TCCAGGGTTTCAGACACTGG R: GCCGAACGAAGAAACATGG
FGF15	Fibroblast growth factor 15	F: ACGTCCTTGATGGCAATCG R: GAGGACCAAACGAACGAAATT
CYP7A1	Cholesterol 7 α -hydroxylase	F: AGCAACTAAACAACCTGCCAGTACTA R: GTCCGGATATTCAAGGATGCA
CYP27A1	Sterol 27-hydroxylase	F: GCCTCACCTATGGGATCTTCA R: TCAAAGCCTGACGCAGATG
SHP	Short heterodimer partner	F: CGATCCTCTTCAACCCAGATG R: AGGGCTCCAAGACTTCACACA
CYP7B1	Oxysterol 7 α -hydroxylase	F: TAGCCCTCTTTCCTCCACTCATA R: GAACCGATCGAACCTAAATTCCT

CYP8B1	Sterol 12 α -hydroxylase	F: AGTACACATGGACCCCGACATC R: GGGTGCCATCCGGGTTGAG
BSEP	Bile salt export pump(Abcb11)	F: CTGCCAAGGATGCTAATGCA R: CGATGGCTACCCTTTGCTTCT
NTCP	Na ⁺ /taurocholate cotransporter	F: ATGACCACCTGCTCCAGCTT R: GCCTTTGTAGGGCACCTTGT
OST α	Organic solute transporter α	F: GATGCGGCTCCTTGGAATTA R:GGAGGAACATGCTTGTCATGAC
OST β	Organic solute transporter β	F: AGATGCGGCTCCTTGGAATTA R: TGGCAGAAAGACAAGTGATG
