

**Appendix E**  
**List of proteins which were the results of alcoholic fatty liver and  
hepatic steatosis from database for ADRs**

**Table E.1** List of proteins which were the results of alcoholic fatty liver from database for ADRs

Approved Name	Approved Symbol from HUGO
alanine--glyoxylate aminotransferase 2	AGXT2
aldehyde dehydrogenase 1 family, member A1	ALDH1A1
aldehyde dehydrogenase 2 family (mitochondrial)	ALDH2
5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	ATIC
coagulation factor II (thrombin)	F2
glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	GOT1
interferon, gamma	IFNG
matrix metalloproteinase 13 (collagenase 3)	MMP13
NFS1 nitrogen fixation 1 homolog ( <i>S. cerevisiae</i> )	NFS1
peroxisome proliferator-activated receptor alpha	PPARA
peroxisome proliferator-activated receptor gamma	PPARG
protein kinase, AMP-activated, alpha 1 catalytic subunit	PRKAA1
protein kinase, AMP-activated, beta 1 non-catalytic subunit	PRKAB1
tumor necrosis factor	TNF
tumor necrosis factor receptor superfamily, member 1B	TNFRSF1B

**Table E.2** List of proteins which were the results of hepatic steatosis from database for ADRs

Approved Name	Approved Symbol from HUGO
ATP-binding cassette, sub-family B (MDR/TAP), member 1	ABCB1
ATP-binding cassette, sub-family C (CFTR/MRP), member 3	ABCC3
acetyl-CoA carboxylase alpha	ACACA
angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	ACE
acetylcholinesterase	ACHE
actin, gamma 1	ACTG1
alanine--glyoxylate aminotransferase 2	AGXT2
alanine-glyoxylate aminotransferase 2-like 1	AGXT2L1
v-akt murine thymoma viral oncogene homolog 1	AKT1
albumin	ALB
angiopoietin-like 4	ANGPTL4
apolipoprotein B (including Ag(x) antigen)	APOB
5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	ATIC
ATPase, H <sup>+</sup> /K <sup>+</sup> exchanging, alpha polypeptide	ATP4A
BCL2-associated X protein	BAX
breast cancer 1, early onset	BRCA1

Approved Name	Approved Symbol from HUGO
chromosome 21 open reading frame 77	C21orf77
calcyon neuron-specific vesicular protein	CALY
CD320 molecule	CD320
CD36 molecule (thrombospondin receptor)	CD36
CD68 molecule	CD68
CCAAT/enhancer binding protein (C/EBP), gamma	CEBPG
cholinergic receptor, muscarinic 1	CHRM1
cholinergic receptor, muscarinic 2	CHRM2
cholinergic receptor, muscarinic 3	CHRM3
clathrin, heavy chain (Hc)	CLTC
carnitine palmitoyltransferase 1A (liver)	CPT1A
carnitine palmitoyltransferase 1B (muscle)	CPT1B
carnitine palmitoyltransferase 2	CPT2
cathepsin A	CTSA
cathepsin B	CTSB
cytochrome P450, family 17, subfamily A, polypeptide 1	CYP17A1
cytochrome P450, family 1, subfamily A, polypeptide 1	CYP1A1
cytochrome P450, family 2, subfamily C, polypeptide 18	CYP2C18
cytochrome P450, family 2, subfamily C, polypeptide 19	CYP2C19
cytochrome P450, family 2, subfamily C, polypeptide 9	CYP2C9
cytochrome P450, family 3, subfamily A, polypeptide 4	CYP3A4
cytochrome P450, family 4, subfamily A, polypeptide 11	CYP4A11
cytochrome P450, family 51, subfamily A, polypeptide 1	CYP51A1
dopa decarboxylase (aromatic L-amino acid decarboxylase)	DDC
diacylglycerol O-acyltransferase 1	DGAT1
dihydrofolate reductase	DHFR
dopamine receptor D1	DRD1
dopamine receptor D2	DRD2
dopamine receptor D4	DRD4
egf-like module containing, mucin-like, hormone receptor-like 1	EMR1
epoxide hydrolase 2, cytoplasmic	EPHX2
estrogen receptor 1	ESR1
estrogen receptor 2 (ER beta)	ESR2
coagulation factor II (thrombin)	F2
coagulation factor II (thrombin) receptor	F2R
fatty acid binding protein 1, liver	FABP1
fatty acid desaturase 1	FADS1
Fas (TNF receptor superfamily, member 6)	FAS
fatty acid synthase	FASN
fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group)	FUT1

Approved Name	Approved Symbol from HUGO
gamma-glutamyltransferase 1	GGT1
glyceronephosphate O-acyltransferase	GNPAT
glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	GOT1
glutathione S-transferase alpha 3	GSTA3
glutathione S-transferase kappa 1	GSTK1
hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	HIF1A
major histocompatibility complex, class II, DR beta 1	HLA-DRB1
histamine receptor H1	HRH1
histamine receptor H4	HRH4
5-hydroxytryptamine (serotonin) receptor 1A	HTR1A
5-hydroxytryptamine (serotonin) receptor 2A	HTR2A
5-hydroxytryptamine (serotonin) receptor 2C	HTR2C
insulin-like growth factor 1 (somatomedin C)	IGF1
interleukin 10	IL10
interleukin 11 receptor, alpha	IL11RA
interleukin 17D	IL17D
interleukin 6 signal transducer (gp130, oncostatin M receptor)	IL6ST
interferon regulatory factor 3	IRF3
interferon regulatory factor 7	IRF7
jun D proto-oncogene	JUND
lymphocyte cytosolic protein 1 (L-plastin)	LCP1
leptin	LEP
lipoprotein lipase	LPL
low density lipoprotein receptor-related protein 2	LRP2
leucine-rich PPR-motif containing	LRPPRC
mitogen-activated protein kinase 8	MAPK8
MAP/microtubule affinity-regulating kinase 1	MARK1
MAP/microtubule affinity-regulating kinase 2	MARK2
MCF.2 cell line derived transforming sequence-like	MCF2L
mitochondrially encoded cytochrome c oxidase II	MT-CO2
myeloid differentiation primary response gene (88)	MYD88
nuclear factor (erythroid-derived 2)-like 1	NFE2L1
NFS1 nitrogen fixation 1 homolog (S. cerevisiae)	NFS1
NK3 homeobox 1	NKX3-1
nuclear receptor subfamily 1, group H, member 2	NR1H2
nuclear receptor subfamily 1, group I, member 2	NR1I2
nuclear respiratory factor 1	NRF1
phosphate cytidylyltransferase 1, choline, alpha	PCYT1A
peroxisome proliferator-activated receptor alpha	PPARA

Approved Name	Approved Symbol from HUGO
peroxisome proliferator-activated receptor gamma	PPARG
peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	PPARGC1A
phosphoribosyl pyrophosphate amidotransferase	PPAT
prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	PTGS1
prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	PTGS2
scavenger receptor class B, member 1	SCARB1
stearoyl-CoA desaturase (delta-9-desaturase)	SCD
secretin	SCT
selectin P ligand	SELPLG
splicing factor 3b, subunit 4, 49kDa	SF3B4
sirtuin 1	SIRT1
solute carrier family 17 (anion/sugar transporter), member 5	SLC17A5
solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	SLC6A4
solute carrier organic anion transporter family, member 1A2	SLCO1A2
solute carrier organic anion transporter family, member 1B1	SLCO1B1
solute carrier organic anion transporter family, member 1B3	SLCO1B3
solute carrier organic anion transporter family, member 1C1	SLCO1C1
superoxide dismutase 2, mitochondrial	SOD2
son of sevenless homolog 2 (Drosophila)	SOS2
secreted phosphoprotein 1	SPP1
sterol regulatory element binding transcription factor 2	SREBF2
signal transducer and activator of transcription 3 (acute-phase response factor)	STAT3
tachykinin receptor 3	TACR3
TAP binding protein (tapasin)	TAPBP
transcription factor 15 (basic helix-loop-helix)	TCF15
t-complex 1	TCP1
toll-like receptor 2	TLR2
toll-like receptor 4	TLR4
tumor necrosis factor	TNF
tumor necrosis factor receptor superfamily, member 10a	TNFRSF10A
tumor necrosis factor receptor superfamily, member 10b	TNFRSF10B
tripartite motif-containing 63	TRIM63
thymidine phosphorylase	TYMP
UDP glucuronosyltransferase 2 family, polypeptide B4	UGT2B4