

Mol ID	Molecular name	Target name	Gene name	Disease name
M002	Chrysophanic acid	Tumor necrosis factor	TNF	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Telomerase reverse transcriptase	TERT	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Plasminogen activator inhibitor 1	SERPINE1	Fatty liver disease
		Sodium channel protein type 5 subunit alpha	SCN5A	Fatty liver disease
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Prostaglandin G/H synthase 1	PTGS1	Inflammation
		Peroxisome proliferator-activated receptor gamma coactivator 1-alpha	PPARGC1A	Fatty liver disease
		Peroxisome proliferator-activated receptor gamma	PPARG	Fatty liver disease, Liver cancer, Inflammation
		Serum paraoxonase/arylesterase 1	PON1	Fatty liver disease, Inflammation
		1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1	PLCG1	Fatty liver disease
		Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	PIK3CG	Fatty liver disease, Inflammation
		Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		Myeloperoxidase	MPO	Fatty liver disease, Inflammation
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-4	IL4	Fatty liver disease, Inflammation
		Interleukin-1 beta	IL1B	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-17A	IL17A	Fatty liver disease, Inflammation
		Interleukin-10	IL10	Fatty liver disease, Liver injury, Liver cancer, Inflammation
		Intercellular adhesion molecule 1	ICAM1	Fatty liver disease, Inflammation
		Heat shock protein HSP 90-alpha	HSP90AA1	Fatty liver disease
		Glutathione reductase, mitochondrial	GSR	Oxidative damage, Fatty liver disease
Gamma-aminobutyric-acid receptor subunit alpha-1	GABRA1	Inflammation		
Fibrinogen beta chain	FGB	Fatty liver disease		
Neutrophil elastase	ELANE	Fatty liver disease, Inflammation		

Mol ID	Molecular name	Target name	Gene name	Disease name
		Epidermal growth factor receptor	EGFR	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Dopamine beta-hydroxylase	DBH	Fatty liver disease
		Cytochrome P450 1A1	CYP1A1	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Interleukin-8	CXCL8	Fatty liver disease, Liver fibrosis, Liver cancer, Inflammation
		CCAAT/enhancer-binding protein alpha	CEBPA	Fatty liver disease
		Caspase-1	CASP1	Inflammation
		Apoptosis regulator Bcl-2	BCL2	Fatty liver disease, Liver cancer, Inflammation
		Apoptosis regulator BAX	BAX	Fatty liver disease, Liver cancer
M004	Chrysoobtusin	Acetylcholinesterase	ACHE	Fatty liver disease
		Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Nuclear receptor subfamily 0 group B member 1	NR0B1	Inflammation
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-1 beta	IL1B	Fatty liver disease, Liver cancer, Inflammation
		Cytochrome P450 1A1	CYP1A1	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Butyrylcholinesterase	BCHE	Inflammation
M027	Cassitoroside	Arachidonate 5-lipoxygenase	ALOX5	Fatty liver disease, Inflammation
		Acetylcholinesterase	ACHE	Fatty liver disease
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		GTPase NRas	NRAS	Fatty liver disease, Liver cancer
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		Fibroblast growth factor 2	FGF2	Fatty liver disease, Inflammation
		Fibroblast growth factor 1	FGF1	Inflammation
M028	Phycion 8-gentiobioside	Tissue factor	F3	Fatty liver disease
		Butyrylcholinesterase	BCHE	Inflammation
		Acetylcholinesterase	ACHE	Fatty liver disease
		Cellular tumor antigen p53	TP53	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation

Mol ID	Molecular name	Target name	Gene name	Disease name
M032	1-desmethylobtusin	Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Cytochrome P450 1A1	CYP1A1	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Arachidonate 5-lipoxygenase	ALOX5	Fatty liver disease, Inflammation
M036	1,3-dihydroxy-6-methoxy-7-methyl anthraquinone	Cellular tumor antigen p53	TP53	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Fibrinogen beta chain	FGB	Fatty liver disease
		Cytochrome P450 1B1	CYP1B1	Inflammation
M043	Obtusifolin-2-O-β-D-(6'-O-acetyl) glucopyranoside	ATP-binding cassette sub-family C member 2	ABCC2	Fatty liver disease, Liver cancer, Inflammation
		Cellular tumor antigen p53	TP53	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
M048	1,7-dimethoxyl-2,8-dihydroxyl-3-methylanthraquinone-2-O-β-D-glucopyranoside	Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		GTPase NRas	NRAS	Fatty liver disease, Liver cancer
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		GTPase HRas	HRAS	Fatty liver disease, Liver cancer
		Fibroblast growth factor 2	FGF2	Fatty liver disease, Inflammation
M051	2,8-dimethoxyl-1,6-dihydroxy-3-methylanthraquinone-6-O-β-D-glucopyranoside	Fibroblast growth factor 1	FGF1	Inflammation
		GTPase NRas	NRAS	Fatty liver disease, Liver cancer
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
M057	Isorubrofusarin 10-gentiobioside	Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
M060	Torosachryson	Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Platelet-derived growth factor receptor alpha	PDGFRA	Liver cancer
		Mitogen-activated protein kinase kinase kinase 7	MAP3K7	Fatty liver disease
		Cytochrome P450 1B1	CYP1B1	Inflammation
		Broad substrate specificity ATP-binding cassette transporter ABCG2	ABCG2	Fatty liver disease, Inflammation
		Platelet-derived growth factor receptor alpha	PDGFRA	Liver cancer

Mol ID	Molecular name	Target name	Gene name	Disease name
M061	Cassialactone	Mitogen-activated protein kinase kinase kinase 7	MAP3K7	Fatty liver disease
		Cytochrome P450 1B1	CYP1B1	Inflammation
		Broad substrate specificity ATP-binding cassette transporter ABCG2	ABCG2	Fatty liver disease, Inflammation
M067	Galangin	Vascular cell adhesion protein 1	VCAM1	Fatty liver disease
		Tumor necrosis factor	TNF	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Transforming growth factor beta-1 proprotein	TGFB1	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Tyrosine-protein phosphatase non-receptor type 22	PTPN22	Fatty liver disease, Inflammation
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Prostaglandin G/H synthase 1	PTGS1	Inflammation
		Peroxisome proliferator-activated receptor gamma	PPARG	Fatty liver disease, Liver cancer, Inflammation
		Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	PIK3CG	Fatty liver disease, Inflammation
		Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		Nuclear factor erythroid 2-related factor 2	NFE2L2	Oxidative damage, Fatty liver disease
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-5	IL5	Fatty liver disease, Inflammation
		Interleukin-4	IL4	Fatty liver disease, Inflammation
		Interleukin-1 beta	IL1B	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-13	IL13	Fatty liver disease, Inflammation
		Intercellular adhesion molecule 1	ICAM1	Fatty liver disease, Inflammation
		Heat shock protein HSP 90-alpha	HSP90AA1	Fatty liver disease
		Heme oxygenase 1	HMOX1	Oxidative damage, Fatty liver disease, Liver fibrosis, Inflammation
		Dipeptidyl peptidase 4	DPP4	Fatty liver disease
		Dopamine beta-hydroxylase	DBH	Fatty liver disease
Cytochrome P450 2E1	CYP2E1	Fatty liver disease, Liver cancer, Inflammation		
Cytochrome P450 2C9	CYP2C9	Inflammation		
Cytochrome P450 2C8	CYP2C8	Inflammation		
Cytochrome P450 1B1	CYP1B1	Inflammation		
Cytochrome P450 1A2	CYP1A2	Inflammation		

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		Cytochrome P450 1A1	CYP1A1	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Cyclic AMP-responsive element-binding protein 1	CREB1	Fatty liver disease
		Cell division protein kinase 4	CDK4	Liver cancer
		C-C motif chemokine 3	CCL3	Inflammation
		Caspase-3	CASP3	Fatty liver disease, Liver cancer, Inflammation
		Apoptosis regulator Bcl-2	BCL2	Fatty liver disease, Liver cancer, Inflammation
		Butyrylcholinesterase	BCHE	Inflammation
		Apoptosis regulator BAX	BAX	Fatty liver disease, Liver cancer
		Androgen receptor	AR	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Adenosine receptor A3	ADORA3	Inflammation, Hepatitis
		Acetylcholinesterase	ACHE	Fatty liver disease
		Broad substrate specificity ATP-binding cassette transporter ABCG2	ABCG2	Fatty liver disease, Inflammation
		ATP-dependent translocase ABCB1	ABCB1	Fatty liver disease, Liver cancer, Inflammation
		Vascular cell adhesion protein 1	VCAM1	Fatty liver disease
		UDP-glucuronosyltransferase 2B7	UGT2B7	Inflammation
		Tumor necrosis factor	TNF	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		3-oxo-5-alpha-steroid 4-dehydrogenase 2	SRD5A2	Liver cancer
		Sex hormone-binding globulin	SHBG	Inflammation
		Corticosteroid-binding globulin	SERPINA6	Inflammation
		Sodium channel protein type 5 subunit alpha	SCN5A	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Prostaglandin G/H synthase 1	PTGS1	Inflammation
		Urokinase-type plasminogen activator	PLAU	Fatty liver disease
		Mineralocorticoid receptor	NR3C2	Fatty liver disease
		Bile acid receptor	NR1H4	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer
		Oxysterols receptor LXR-alpha	NR1H3	Fatty liver disease
		Oxysterols receptor LXR-beta	NR1H2	Fatty liver disease
M071	Stigmasterol	NPC intracellular cholesterol transporter 1	NPC1	Fatty liver disease, Inflammation
		Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		Leukotriene A-4 hydrolase	LTA4H	Inflammation

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		Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-1 beta	IL1B	Fatty liver disease, Liver cancer, Inflammation
		Gamma-aminobutyric-acid receptor subunit alpha-3	GABRA3	Inflammation
		Gamma-aminobutyric-acid receptor subunit alpha-1	GABRA1	Inflammation
		Glucose-6-phosphate 1-dehydrogenase	G6PD	Fatty liver disease
		Fibroblast growth factor 2	FGF2	Fatty liver disease, Inflammation
		Estrogen receptor beta	ESR2	Inflammation, Hepatitis
		Estrogen receptor	ESR1	Fatty liver disease, Liver cancer
		Ephrin type-B receptor 2	EPHB2	Liver cancer
		Aromatase	CYP19A1	Fatty liver disease, Inflammation
		Steroid 17-alpha-hydroxylase/17,20 lyase	CYP17A1	Inflammation
		Androgen receptor	AR	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Beta-2 adrenergic receptor	ADRB2	Fatty liver disease
		Multidrug resistance-associated protein 4	ABCC4	Inflammation
		Bile salt export pump	ABCB11	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Vascular endothelial growth factor A	VEGFA	Fatty liver disease, Liver cancer, Inflammation
		Vascular cell adhesion protein 1	VCAM1	Fatty liver disease
		Cellular tumor antigen p53	TP53	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Tumor necrosis factor	TNF	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Telomerase reverse transcriptase	TERT	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Solute carrier family 2, facilitated glucose transporter member 4	SLC2A4	Fatty liver disease
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Prostaglandin G/H synthase 1	PTGS1	Inflammation
		Protein kinase C epsilon type	PRKCE	Inflammation
		Protein kinase C delta type	PRKCD	Fatty liver disease
		Protein kinase C alpha type	PRKCA	Fatty liver disease
		Peroxisome proliferator-activated receptor gamma	PPARG	Fatty liver disease, Liver cancer, Inflammation

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M072	Aloe emodin	Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	PIK3CG	Fatty liver disease, Inflammation
		Proliferating cell nuclear antigen	PCNA	Inflammation
		Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		Myc proto-oncogene protein	MYC	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-1 beta	IL1B	Fatty liver disease, Liver cancer, Inflammation
		Intercellular adhesion molecule 1	ICAM1	Fatty liver disease, Inflammation
		Heat shock protein HSP 90-alpha	HSP90AA1	Fatty liver disease
		Hypoxia-inducible factor 1-alpha	HIF1A	Fatty liver disease, Liver cancer
		Glutathione reductase, mitochondrial	GSR	Oxidative damage, Fatty liver disease
		Fibrinogen beta chain	FGB	Fatty liver disease
		Fatty acid synthase	FASN	Fatty liver disease
		Tumor necrosis factor receptor superfamily member 6	FAS	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-8	CXCL8	Fatty liver disease, Liver fibrosis, Liver cancer, Inflammation
		Cyclin-dependent kinase inhibitor 1	CDKN1A	Fatty liver disease, Liver cancer
		C-C motif chemokine 2	CCL2	Fatty liver disease, Inflammation
		Caspase-9	CASP9	Fatty liver disease
		Caspase-3	CASP3	Fatty liver disease, Liver cancer, Inflammation
		Apoptosis regulator BAX	BAX	Fatty liver disease, Liver cancer
		Fatty aldehyde dehydrogenase (ALDH3A2)	ALDH3A2	Fatty liver disease
		Adiponectin	ADIPOQ	Fatty liver disease, Inflammation
		Acetylcholinesterase	ACHE	Fatty liver disease
		Vascular cell adhesion protein 1	VCAM1	Fatty liver disease
		UDP-glucuronosyltransferase 2B7	UGT2B7	Inflammation
		UDP-glucuronosyltransferase 2B4	UGT2B4	Inflammation
		UDP-glucuronosyltransferase 1A1	UGT1A1	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Cellular tumor antigen p53	TP53	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation

Mol ID	Molecular name	Target name	Gene name	Disease name
M073	Emodin	Tumor necrosis factor	TNF	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Toll-like receptor 4	TLR4	Fatty liver disease, Inflammation, Hepatitis
		Metalloproteinase inhibitor 1	TIMP1	Fatty liver disease
		Sterol regulatory element-binding protein 1	SREBF1	Fatty liver disease
		Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Peroxisome proliferator-activated receptor gamma	PPARG	Fatty liver disease, Liver cancer, Inflammation
		Peroxisome proliferator-activated receptor alpha	PPARA	Fatty liver disease, Inflammation
		Bile acid receptor	NR1H4	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer
		Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		NF-kappa-B inhibitor alpha	NFKBIA	Fatty liver disease, Inflammation
		Myeloperoxidase	MPO	Fatty liver disease, Inflammation
		Matrix metalloproteinase-9	MMP9	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-5	IL5	Fatty liver disease, Inflammation
		Interleukin-4	IL4	Fatty liver disease, Inflammation
		Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-1 beta	IL1B	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-18	IL18	Fatty liver disease, Inflammation
		Interleukin-17A	IL17A	Fatty liver disease, Inflammation
		Interleukin-13	IL13	Fatty liver disease, Inflammation
		Interleukin-10	IL10	Fatty liver disease, Liver injury, Liver cancer, Inflammation
		NF-kappa-B essential modulator	IKBKG	Fatty liver disease
		Intercellular adhesion molecule 1	ICAM1	Fatty liver disease, Inflammation
		Heme oxygenase 1	HMOX1	Oxidative damage, Fatty liver disease, Liver fibrosis, Inflammation
		3-hydroxy-3-methylglutaryl-coenzyme A reductase	HMGCR	Fatty liver disease, Hepatitis
		Estrogen receptor beta	ESR2	Inflammation, Hepatitis
		Estrogen receptor	ESR1	Fatty liver disease, Liver cancer
		Epidermal growth factor receptor	EGFR	Fatty liver disease, Liver cancer, Inflammation, Hepatitis

Mol ID	Molecular name	Target name	Gene name	Disease name
		Diacylglycerol O-acyltransferase 1	DGAT1	Hepatitis
		Cytochrome P450 2E1	CYP2E1	Fatty liver disease, Liver cancer, Inflammation
		Cytochrome P450 1B1	CYP1B1	Inflammation
		Cytochrome P450 1A2	CYP1A2	Inflammation
		Cytochrome P450 1A1	CYP1A1	Fatty liver disease, Liver cancer, Inflammation, Hepatitis
		Casein kinase II subunit alpha	CSNK2A1	Inflammation
		Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	Fatty liver disease
		C-C motif chemokine 2	CCL2	Fatty liver disease, Inflammation
		Caspase-9	CASP9	Fatty liver disease
		Caspase-3	CASP3	Fatty liver disease, Liver cancer, Inflammation
		Caspase-1	CASP1	Inflammation
		Butyrylcholinesterase	BCHE	Inflammation
		RAC-beta serine/threonine-protein kinase	AKT2	Fatty liver disease
		Peroxisomal acyl-coenzyme A oxidase 1	ACOX1	Fatty liver disease
		Acetylcholinesterase	ACHE	Fatty liver disease
		ATP-binding cassette sub-family C member 2	ABCC2	Fatty liver disease, Liver cancer, Inflammation
		Bile salt export pump	ABCB11	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Tumor necrosis factor receptor superfamily member 1A	TNFRSF1A	Fatty liver disease, Inflammation
		Tumor necrosis factor	TNF	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Toll-like receptor 4	TLR4	Fatty liver disease, Inflammation, Hepatitis
		Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Sodium channel protein type 5 subunit alpha	SCN5A	Fatty liver disease
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Prostaglandin G/H synthase 1	PTGS1	Inflammation
		Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	PIK3CG	Fatty liver disease, Inflammation
		Platelet-derived growth factor receptor alpha	PDGFRA	Liver cancer
		Nitric oxide synthase, endothelial	NOS3	Oxidative damage, Fatty liver disease, Inflammation

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M074	Phycion	Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		Mitogen-activated protein kinase kinase kinase 7	MAP3K7	Fatty liver disease
		Hepatic triacylglycerol lipase	LIPC	Fatty liver disease, Hepatitis
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-1 beta	IL1B	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-10	IL10	Fatty liver disease, Liver injury, Liver cancer, Inflammation
		Heat shock protein HSP 90-alpha	HSP90AA1	Fatty liver disease
		Heme oxygenase 1	HMOX1	Oxidative damage, Fatty liver disease, Liver fibrosis, Inflammation
		3-hydroxy-3-methylglutaryl-coenzyme A reductase	HMGCR	Fatty liver disease, Hepatitis
		Coagulation factor VII	F7	Fatty liver disease
		Coagulation factor X	F10	Fatty liver disease, Inflammation
		Neutrophil elastase	ELANE	Fatty liver disease, Inflammation
		Cytochrome P450 2E1	CYP2E1	Fatty liver disease, Liver cancer, Inflammation
		Cytochrome P450 2C9	CYP2C9	Inflammation
		Cytochrome P450 1B1	CYP1B1	Inflammation
		Cytochrome P450 1A2	CYP1A2	Inflammation
		Caspase-9	CASP9	Fatty liver disease
		Caspase-8	CASP8	Fatty liver disease, Liver cancer
		Caspase-3	CASP3	Fatty liver disease, Liver cancer, Inflammation
		Apoptosis regulator Bcl-2	BCL2	Fatty liver disease, Liver cancer, Inflammation
		Acetylcholinesterase Broad substrate specificity	ACHE	Fatty liver disease
		ATP-binding cassette transporter ABCG2	ABCG2	Fatty liver disease, Inflammation
		Vascular endothelial growth factor A	VEGFA	Fatty liver disease, Liver cancer, Inflammation
		Vascular cell adhesion protein 1	VCAM1	Fatty liver disease
		Transthyretin	TTR	Fatty liver disease, Inflammation
		Tumor necrosis factor	TNF	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
Transforming growth factor beta-1 proprotein	TGFB1	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation		
Telomerase reverse transcriptase	TERT	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation		
Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation		
P-selectin	SELP	Fatty liver disease, Inflammation		

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M085	Rhein	L-selectin	SELL	Inflammation
		E-selectin	SELE	Fatty liver disease
		Receptor-type tyrosine-protein phosphatase C	PTPRC	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Prostaglandin G/H synthase 1	PTGS1	Inflammation
		Peroxisome proliferator-activated receptor gamma	PPARG	Fatty liver disease, Liver cancer, Inflammation
		Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	PIK3CG	Fatty liver disease, Inflammation
		Oxysterols receptor LXR-alpha	NR1H3	Fatty liver disease
		Oxysterols receptor LXR-beta	NR1H2	Fatty liver disease
		Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		72 kDa type IV collagenase	MMP2	Fatty liver disease, Liver cancer, Hepatitis
		Transcription factor AP-1	JUN	Fatty liver disease, Liver cancer
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-1 beta	IL1B	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-18	IL18	Fatty liver disease, Inflammation
		Inhibitor of nuclear factor kappa-B kinase subunit beta	IKBKB	Fatty liver disease, Inflammation
		Intercellular adhesion molecule 1	ICAM1	Fatty liver disease, Inflammation
		Heat shock protein HSP 90-alpha	HSP90AA1	Fatty liver disease
		Heme oxygenase 1	HMOX1	Oxidative damage, Fatty liver disease, Liver fibrosis, Inflammation
		High mobility group protein B1	HMGB1	Fatty liver disease
		Glutathione reductase, mitochondrial	GSR	Oxidative damage, Fatty liver disease
		Dopamine beta-hydroxylase	DBH	Fatty liver disease
		Cytochrome P450 2E1	CYP2E1	Fatty liver disease, Liver cancer, Inflammation
		Cytochrome P450 2D6	CYP2D6	Fatty liver disease, Inflammation
		Cytochrome P450 2C9	CYP2C9	Inflammation
		Cytochrome P450 1A2	CYP1A2	Inflammation
		Caspase-3	CASP3	Fatty liver disease, Liver cancer, Inflammation
		Apoptosis regulator Bcl-2	BCL2	Fatty liver disease, Liver cancer, Inflammation
		Arachidonate 5-lipoxygenase	ALOX5	Fatty liver disease, Inflammation

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		Aldo-keto reductase family 1 member C1	AKR1C1	Inflammation
M086	Toralactone	Mothers against decapentaplegic homolog 3	SMAD3	Fatty liver disease
		Transcription factor p65	RELA	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Prostaglandin G/H synthase 1	PTGS1	Inflammation
		Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	PIK3CG	Fatty liver disease, Inflammation
		Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		Heat shock protein HSP 90-alpha	HSP90AA1	Fatty liver disease
		Estrogen receptor beta	ESR2	Inflammation, Hepatitis
		Estrogen receptor	ESR1	Fatty liver disease, Liver cancer
		Cytochrome P450 1B1	CYP1B1	Inflammation
				Stromal cell-derived factor 1
		Cyclic AMP-responsive element-binding protein 1 Broad substrate specificity	CREB1	Fatty liver disease
		ATP-binding cassette transporter ABCG2	ABCG2	Fatty liver disease, Inflammation
M108	Rubrofusarin gentiobioside	Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Peroxisome proliferator-activated receptor gamma	PPARG	Fatty liver disease, Liver cancer, Inflammation
		lipoprotein lipase	LPL	Fatty liver disease
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		Fatty acid synthase	FASN	Fatty liver disease
		CCAAT/enhancer-binding protein alpha	CEBPA	Fatty liver disease
		Butyrylcholinesterase	BCHE	Inflammation
		Acetylcholinesterase	ACHE	Fatty liver disease
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Nuclear factor NF-kappa-B p105 subunit	NFKB1	Fatty liver disease, Liver cancer, Inflammation
		Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		Cytochrome P450 2C8	CYP2C8	Inflammation
		Cytochrome P450 1B1	CYP1B1	Inflammation
		Cytochrome P450 1A1	CYP1A1	Fatty liver disease, Liver cancer, Inflammation, Hepatitis

Mol ID	Molecular name	Target name	Gene name	Disease name
M109	Rubrofusarin	Stromal cell-derived factor 1	CXCL12	Fatty liver disease
		Cyclic AMP-responsive element-binding protein 1	CREB1	Fatty liver disease
		Arachidonate 5-lipoxygenase	ALOX5	Fatty liver disease, Inflammation
		Acetylcholinesterase Broad substrate specificity	ACHE	Fatty liver disease
		ATP-binding cassette transporter ABCG2	ABCG2	Fatty liver disease, Inflammation
		Multidrug resistance-associated protein 1	ABCC1	Inflammation
		ATP-dependent translocase ABCB1	ABCB1	Fatty liver disease, Liver cancer, Inflammation
M114	Aurantio-obtusin	Tumor necrosis factor	TNF	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Peroxisome proliferator-activated receptor gamma	PPARG	Fatty liver disease, Liver cancer, Inflammation
		Peroxisome proliferator-activated receptor alpha	PPARA	Fatty liver disease, Inflammation
		Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-1 beta	IL1B	Fatty liver disease, Liver cancer, Inflammation
		Coagulation factor VII	F7	Fatty liver disease
		Coagulation factor X	F10	Fatty liver disease, Inflammation
		Cyclic AMP-responsive element-binding protein 1	CREB1	Fatty liver disease
		C-C motif chemokine 2	CCL2	Fatty liver disease, Inflammation
		Butyrylcholinesterase	BCHE	Inflammation
Acetylcholinesterase	ACHE	Fatty liver disease		
M117	Obtusin	Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Coagulation factor X	F10	Fatty liver disease, Inflammation
		Butyrylcholinesterase	BCHE	Inflammation
		Acetylcholinesterase	ACHE	Fatty liver disease
		Proto-oncogene serine/threonine-protein kinase Pim-1	RAF1	Fatty liver disease, Liver cancer

Mol ID	Molecular name	Target name	Gene name	Disease name
M123	Isotalactone	Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		Prostaglandin G/H synthase 2	PTGS2	Fatty liver disease, Liver cancer, Inflammation
		Prostaglandin G/H synthase 1	PTGS1	Inflammation
		Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	PIK3CG	Fatty liver disease, Inflammation
		Nitric oxide synthase, inducible	NOS2	Oxidative damage, Fatty liver disease, Inflammation
		Mitogen-activated protein kinase 14	MAPK14	Oxidative damage, Fatty liver disease
		Heat shock protein HSP 90-alpha	HSP90AA1	Fatty liver disease
		Glycogen synthase kinase-3 beta	GSK3B	Fatty liver disease
		Estrogen receptor beta	ESR2	Inflammation, Hepatitis
		Estrogen receptor	ESR1	Fatty liver disease, Liver cancer
		Cell division protein kinase 2	CDK2	Fatty liver disease
M126	Obtusifolin 2-glucoside	Vascular endothelial growth factor A	VEGFA	Fatty liver disease, Liver cancer, Inflammation
		Cellular tumor antigen p53	TP53	Oxidative damage, Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Glucose-6-phosphate exchanger SLC37A4	SLC37A4	Fatty liver disease, Inflammation
		Tyrosine-protein phosphatase non-receptor type 1	PTPN1	Fatty liver disease
		GTPase NRas	NRAS	Fatty liver disease, Liver cancer
		Interleukin-6	IL6	Fatty liver disease, Liver injury, Liver fibrosis, Liver cancer, Inflammation
		Interleukin-2	IL2	Fatty liver disease, Liver cancer, Inflammation
		GTPase HRas	HRAS	Fatty liver disease, Liver cancer
		Glutathione reductase, mitochondrial	GSR	Oxidative damage, Fatty liver disease
		Fibroblast growth factor 2	FGF2	Fatty liver disease, Inflammation
		Fibroblast growth factor 1	FGF1	Inflammation
		Butyrylcholinesterase	BCHE	Inflammation
		Acetylcholinesterase	ACHE	Fatty liver disease
				Mothers against decapentaplegic homolog 3
Glucose-6-phosphate exchanger SLC37A4	SLC37A4			Fatty liver disease, Inflammation
Sodium channel protein type 5 subunit alpha	SCN5A			Fatty liver disease
Receptor-type tyrosine-protein phosphatase C	PTPRC			Fatty liver disease
Prostaglandin G/H synthase 2	PTGS2			Fatty liver disease, Liver cancer, Inflammation

Mol ID	Molecular name	Target name	Gene name	Disease name
M129	Quinizarin	Prostaglandin G/H synthase 1	PTGS1	Inflammation
		1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1	PLCG1	Fatty liver disease
		Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	PIK3CG	Fatty liver disease, Inflammation
		Heat shock protein HSP 90-alpha	HSP90AA1	Fatty liver disease
		Fibrinogen beta chain	FGB	Fatty liver disease
		Dopamine beta-hydroxylase	DBH	Fatty liver disease
		Cocaine esterase	CES2	Inflammation