

Supplementary Table 1. Genes in the cholestasis panel detected in the patient.

AARS2	APOA1	DDOST	GFM1	LYZ	OSMR	RPGRIP1L	TMEM67
ABCA1	ATP5A1	DGUOK	GLIS2	MARS	PEX1	RRM2B	TSFM
ABCB11	ATP8B1	DOLK	GLIS3	MAT1A	PEX10	SC5DL	TTC21B
ABCB4	B4GALT1	DPAGT1	GSN	MGAT2	PEX11B	SERPINA1	TTR
ABCG8	BAAT	DPM1	GSTZ1	MNF1	PEX12	SFXN4	TUFM
ADK	BCS1L	DPM2	HAMP	MOGS	PEX13	SLC25A13	UBR1
AHCY	BLVRA	DPM3	HFE	MPDU1	PEX14	SLC25A4	UGT1A1
AIFM1	BMP2	DPYS	HFE2	MPI	PEX16	SLC35A1	UQCRB
AKR1D1	C10orf2	DYNC2H1	HPD	MPV17	PEX19	SLC35A2	UQCRC2
ALAS2	C12orf65	EARS2	HSD3B7	MRPL3	PEX2	SLC35C1	UQCRCQ
ALDOB	C20orf72	ELAC2	IFT122	MRPL44	PEX26	SLC40A1	VARA2
ALG1	CC2D2A	EPHX1	IFT140	MRPS16	PEX3	SMPD1	VIL1
ALG11	CCDC41	FADD	IFT172	MRPS22	PEX5	SRD5A3	VIPAS39
ALG12	CEP164	FAH	IFT43	MTFMT	PEX6	STT3A	VPS33B
ALG13	CIRH1A	FAN1	IFT80	MTO1	PEX7	STT3B	WDR19
ALG2	CLDN1	FARS2	IL31RA	NEK1	PGM1	SUCLA2	WDR34
ALG3	COG1	FBP1	INVS	NEK8	PKHD1	SUCLG1	WDR35
ALG6	COG4	FBXL4	JAG1	NGLY1	PMM2	SUMF1	WDR60
ALG8	COG5	FECH	LARS	NOTCH2	PNPT1	TARS2	XPNPEP3
ALG9	COG6	FGA	LBR	NPC1	POLG	TAT	ZNF423
AMACR	COG7	FTH1	LIPA	NPC2	POMC	TFR2	ATP7B
ANKS6	COG8	GALT	LIPF	NPHP1	PSAP	TJP2	AP1S1
CYC1	GBA	LYRM4	NPHP3	RFT1	TK2	APCS	CYP7B1
GBE1	LYRM7	NPHP4	RMND1	TMEM165			