

Table S1. Summary of 153 genes contained in this panel.

ABCB6	ABHD12	ADAMTS10	ADAMTS17	ADAMTSL4	AGK
AGPS	AIPL1	ALDH18A1	ALDH1A3	ATOH7	BCOR
BEST1	BFSP1	BFSP2	CAPN5	CAV1	CEP290
CHMP4B	CNBP	COL11A1	COL11A2	COL2A1	COL7A1
COL9A1	COL9A2	CRB1	CRX	CRYAA	CRYAB
CRYBA1	CRYBA2	CRYBA4	CRYBB1	CRYBB2	CRYBB3
CRYGA	CRYGB	CRYGC	CRYGD	CRYGS	CTDP1
CYP1B1	CYP27A1	CYP51A1	DMPK	DNA2	EPG5
EPHA1	EPHA2	ERCC2	ERCC5	ERCC6	EZR
FAM126A	FBN1	FOXE3	FTL	FYCO1	GALK1
GALT	GCNT2	GDF3	GDF6	GFER	GJA3
GJA8	GNPAT	GSTM1	GSTT1	GUCY2D	HFE
HMX1	HSF4	IARS2	IDO1	IFNGR1	IMPDH1
ITM2B	JAM3	LCA5	LCT	LIM2	LMX1B
LRAT	LTBP2	MAF	MFRP	MIP	MTHFR
MVK	MYH9	NAT2	NECTIN3	NEUROD1	NF2
NHS	NMNAT1	NOD2	OAT	OCRL	OPA3
P3H2	PAX6	PEX11B	PEX16	PEX5	PEX7
PITX2	PITX3	POLG	POLG2	PRSS56	PXDN
RAB18	RAB3GAP1	RAB3GAP2	RAX	RBP4	RD3
RDH11	RDH12	RECQL4	RNASEH1	RNLS	RPE65
RPGRIP1	RRM2B	SC5D	SEC23A	SHH	SIL1
SLC16A12	SLC25A4	SLC2A1	SLC33A1	SORD	SPATA7
SRD5A3	SREBF2	STRA6	TBC1D20	TDRD7	TEAD1
TENM3	TMEM114	TMEM70	TULP1	UNC45B	VIM
VSX2	WFS1	WRN			