

TCD			Blueprint			
ABCA4	IMPDH1	RP1	ABCA4	EMC1	MVK	SLC24A1
ABCC6	IMPG1	RP1L1	ABCC6	ESPN	MYO7A	SLC25A46
ABHD12	IMPG2	RP2	ABCD1	EXOSC2	NAGLU	SLC45A2
ACBD5	INPP5E	RP9	ABHD12	EYS	NDP	SLC7A14
ADAM9	INVS	RPE65	ACO2	FAM161A	NEK2#	SNRNP200
ADAMTS18	IQCB1	RPGR	ADAM9	FDXR	NMNAT1#	SPATA7
ADGRA3	ITM2B	RPGRIP1	ADAMTS18	FLVCR1	NPHP1	SPP2
ADGRV1	JAG1	RPGRIP1L	ADGRV1	FRMD7	NPHP3	SRD5A3
ADIPOR1	KCNJ13	RS1	ADIPOR1	FZD4	NPHP4	TCTN1#
AGBL5	KCNV2	RTN4IP1	AGBL5	GNAT1	NR2E3	TCTN2
AHI1	KIAA1549	SAG	AHI1	GNAT2	NR2F1	TCTN3
AIPL1	KIF11	SDCCAG8	AIPL1	GNB3	NRL	TEAD1
ALMS1	KIZ	SEMA4A	ALMS1	GNPTG	NYX	TIMM8A
ARL2BP	KLHL7	SLC24A1	AMACR	GPR143	OAT	TIMP3
ARL3	LAMA1	SLC25A46	ARHGEF18	GPR179	OCA2	TMEM107
ARL6	LCA5	SLC7A14	ARL13B	GRK1	OFD1	TMEM126A
ASRGL1	LRAT	SNRNP200	ARL2BP	GRM6	OPA1	TMEM138
ATF6	LRIT3	SPATA7	ARL3	GUCA1A	OPA3	TMEM216
ATXN7	LRP5	SPP2	ARL6	GUCY2D	OPN1SW	TMEM231
BBIP1	LZTFL1	TEAD1	ARMC9	HARS	OTX2	TMEM237
BBS1	MAK	TIMM8A	ARR3	HGSNAT	P3H2	TMEM67
BBS10	MAPKAPK3	TIMP3	ARSG	HK1#	PANK2	TOPORS
BBS12	MERTK	TMEM126A	ATF6	HMX1	PAX2	TPP1
BBS2	MFN2	TMEM216	ATOH7	IDH3A	PCDH15	TRAF3IP1
BBS4	MFRP	TMEM237	B9D1	IDH3B	PCYT1A	TREX1
BBS5	MFSD8	TOPORS	B9D2	IFT140	PDE6A	TRIM32
BBS7	MIR204	TREX1	BBIP1	IFT172	PDE6B	TRPM1
BBS9	MKKS	TRIM32	BBS1	IFT27	PDE6C	TSPAN12
BEST1	MKS1	TRNT1	BBS10	IFT81#	PDE6D	TTC21B
C12orf65	MTTP	TRPM1	BBS12	IMPDH1	PDE6G	TTC8
C1QTNF5	MVK	TSPAN12	BBS2	IMPG1	PDE6H	TTLL5
C21orf2	MYO7A	TTC8	BBS4	IMPG2	PDSS1#	TTPA
C2orf71	NBAS	TTLL5	BBS5	INPP5E	PDSS2	TUB
C8orf37	NDP	TTPA	BBS7	INVS	PDZD7#	TUBB4B
CA4	NEK2	TUB	BBS9	IQCB1	PEX1	TUBGCP4
CABP4	NEUROD1	TUBGCP4	BEST1	ISPD	PEX10	TUBGCP6
CACNA1F	NMNAT1	TUBGCP6	C1QTNF5	JAG1	PEX11B	TULP1
CACNA2D4	NPHP1	TULP1	C21ORF2	KCNJ13	PEX12	TYR
CAPN5	NPHP3	UNC119	C2ORF71	KCNV2	PEX13	TYRP1
CC2D2A	NPHP4	USH1C	C5ORF42	KIAA0556	PEX14	USH1C
CDH23	NR2E3	USH1G	C8ORF37	KIAA0586#	PEX16	USH1G
CDH3	NR2F1	USH2A	CA4	KIAA0753	PEX19	USH2A
CDHR1	NRL	VCAN	CABP4	KIAA1549	PEX2	VCAN
CEP164	NYX	WDPCP	CACNA1F	KIF11	PEX26	VPS13B
CEP250	OAT	WDR19	CACNA2D4	KIF7	PEX3	WDPCP
CEP290	OFD1	WFS1	CAPN5	KIZ	PEX5	WDR19
CERKL	OPA1	WHRN	CC2D2A#	KLHL7	PEX6	WFS1
CFH	OPA3	ZNF408	CDH23	LAMA1	PEX7	YME1L1
CHM	OPN1LW	ZNF423	CDH3	LCA5	PHYH	ZNF408

CIB2	OPN1MW	ZNF513	CDHR1	LRAT	PISD	ZNF423
CLN3	OPN1SW		CEP104	LRIT3	PITPNM3	ZNF513
CLRN1	OTX2		CEP120	LRP2	PLA2G5	
CLUAP1	PANK2		CEP164	LRP5	PLK4	
CNGA1	PAX2		CEP19	LZTFL1	PNPLA6	
CNGA3	PCDH15		CEP250	MAK	POC1B	
CNGB1	PCYT1A		CEP290	MERTK	POMGNT1	
CNGB3	PDE6A		CEP41	MFN2	PPT1	
CNNM4	PDE6B		CEP78	MFRP	PRCD	
COL11A1	PDE6C		CEP83	MFSD8	PRDM13	
COL2A1	PDE6G		CERKL	MKKS	PROM1	
COL9A1	PDE6H		CHM#	MKS1	PRPF3	
CRB1	PDZD7		CIB2	MMACHC	PRPF31	
CRX	PEX1		CISD2	MT-ATP6	PRPF4	
CSPP1	PEX2		CLN3	MT-ATP8	PRPF6	
CTNNA1	PEX7		CLN5	MT-CO1	PRPF8	
CYP4V2	PGK1		CLN6	MT-CO2	PRPH2	
DHDDS	PHYH		CLN8	MT-CO3	PRPS1	
DHX38	PITPNM3		CLRN1	MT-CYB	RAB28	
DMD	PLA2G5		CNGA1#	MT-ND1	RAX2	
DRAM2	PLK4		CNGA3	MT-ND2	RBP3	
DTHD1	PNPLA6		CNGB1	MT-ND3	RBP4	
EFEMP1	POC1B		CNGB3	MT-ND4	RCBTB1	
ELOVL4	POMGNT1		CNNM4	MT-ND4L	RD3	
EMC1	PRCD		COL11A1	MT-ND5	RDH11	
EXOSC2	PRDM13		COL11A2	MT-ND6	RDH12	
EYS	PROM1		COL18A1	MT-RNR1	RDH5	
FAM161A	PRPF3		COL2A1	MT-RNR2	REEP6	
FLVCR1	PRPF31		COL9A1	MT-TA	RGR	
FSCN2	PRPF4		COL9A2	MT-TC	RGS9	
FZD4	PRPF6		COL9A3	MT-TD	RGS9BP	
GDF6	PRPF8		COQ2	MT-TE	RHO	
GNAT1	PRPH2		CPE	MT-TF	RIMS1	
GNAT2	PRPS1		CRB1	MT-TG	RLBP1	
GNB3	RAB28		CRX	MT-TH	ROM1	
GNPTG	RAX2		CSPP1	MT-TI	RP1	
GPR179	RB1		CTC1	MT-TK	RP1L1	
GRK1	RBP3		CTNNA1	MT-TL1	RP2	
GRM6	RBP4		CTNNB1	MT-TL2	RPE65	
GUCA1A	RCBTB1		CTSD	MT-TM	RPGR	
GUCA1B	RD3		CWC27	MT-TN	RPGRIP1	
GUCY2D	RDH11		CYP4V2	MT-TP	RPGRIP1L#	
HARS	RDH12		DFNB31	MT-TQ	RS1	
HGSNAT	RDH5		DHDDS	MT-TR	RTN4IP1	
HK1	RGR		DHX38	MT-TS1	SAG	
HMCN1	RGS9		DNAJC5	MT-TS2	SAMD11	
HMX1	RGS9BP		DRAM2	MT-TT	SCAPER	
IDH3B	RHO		DTHD1	MT-TV	SCLT1#	
IFT140	RIMS1		DYNC2H1	MT-TW	SDCCAG8	
IFT172	RLBP1		EFEMP1	MT-TY	SEMA4A	

IFT27	ROM1		ELOVL4	MTTP	SGSH	
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Supplementary Table S1. List of the genes included on IRD panels for the research laboratory (TCD, 250 genes) and the commercial lab (Blueprint Genetics, 352 genes). Genes in **bold** text in each respective panel are not found in the other panel.