

Supplemental Table S1. List of Genes Included in the Severance Hospital's Novel Next-Generation Sequencing Panel

ABCA1	ABCC8	ABCG1	ABCG5	ABCG8	ADRB2	ADRB3	AGL	AGPAT2	AGRP
AIP	AIRE	AKAP2	AKR1C2	AKR1C4	AKT2	ALMS1	AMH	AMHR2	ANGPTL3
ANOS1	AP2S1	APC	APOA1	APOA4	APOA5	APOB	APOC2	APOC3	APOE
APPL1	AQP2	AR	ARAP1	ARL4D	ARL6	ARMC5	ARX	ATP1A1	ATP2B3
ATP7A	ATRX	AVP	AVPR2	BBS1	BBS10	BBS12	BBS2	BBS4	BBS5
BBS7	BBS9	BDNF	BLK	BMP15	BRAF	BSCL2	BTK	CA2	CACNA1D
CARTPT	CASR	CAV1	CAV2	CBX2	CCND1	CDC73	CDKL5	CDKN1A	CDKN1B
CDKN1C	CDKN2B	CDKN2C	CEL	CEP290	CEP41	CETP	CHD7	CIDEC	CISD2
CLCN7	COL1A1	COL1A2	COL3A1	COL5A1	COL5A2	COL9A1	COL9A2	COL9A3	COLEC11
COMP	CP	CREB3L3	CREBBP	CRTAP	CRTC1	CRY2	CUL3	CUL4B	CY5A
CYP11A1	CYP11B1	CYP11B2	CYP17A1	CYP19A1	CYP21A2	DHCR24	DHCR7	DHH	DMRT1
DMRT2	DNAJC3	DUSP6	DYRK1B	EGLN1	EIF2AK3	ELN	EMX2	ENPP1	EPAS1
FBP1	FERMT3	FEZF1	FGD1	FGF17	FGF8	FGF9	FGFR1	FGFR2	FH
FIGLA	FKBP10	FLRT3	FOXC2	FOXE1	FOXL2	FOXP3	FRAS1	FREM2	FSHB
FSHR	G6PC	GALNT2	GATA3	GATA4	GATA6	GBE1	GCK	GCKR	GCM2
GDF9	GHR	GHRL	GLI2	GLI3	GLIS3	GLUD1	GNA11	GNAS	GNRH1
GNRHR	GPD1	GPIHBP1	GPR161	GRIP1	GYS2	HADH	HADHA	HADHB	HESX1
HFE	HHIP	HIRA	HNF1A	HNF1B	HNF4A	HOXA13	HRAS	HS6ST1	HSD17B3
HSD3B1	HSD3B2	ICK	IER3IP1	IFIH1	IFITM5	IGFALS	IKBKG	IL17RD	INS
INSL3	INSR	IRF6	IYD	KAT6B	KCNJ11	KCNJ5	KIF1B	KISS1	KISS1R
KLF11	KLHL3	KRAS	LCAT	LDLR	LDLRAP1	LEP	LEPR	LHB	LHCGR
LHX3	LHX4	LIMK1	LIPA	LIPC	LIPE	LIPG	LMF1	LMNA	LMNB2
LPIN1	LPL	LRP5	LRP6	MADD	MAGEL2	MAMLD1	MAP2K1	MAP2K2	MAP3K1
MATN3	MAX	MC2R	MC3R	MC4R	MCM4	MEF2A	MEN1	MKKS	MKS1
MLXIPL	MTTP	MYLIP	NEUROD1	NEUROG3	NF1	NIPBL	NKX2-1	NKX2-5	NLGN4X
NNT	NOBOX	NOTCH2	NPC1L1	NR0B1	NR0B2	NR5A1	NRAS	NSMF	NTRK1
NTRK2	OCRL	OPHN1	OSTM1	OTC	OTX1	OTX2	P3H1	PAX4	PAX8
PAX9	PCK1	PCK2	PCSK1	PCSK9	PDX1	PHF6	PHIP	PHKA2	PHKB
PHKG2	PITX2	PLEKHM1	PLIN1	PLOD1	PLOD2	PLTP	PNPLA2	POLD1	POMC
POR	POU1F1	PPARA	PPARG	PPARGC1B	PPIB	PRKAR1A	PROK2	PROKR2	PROP1
PSMC3IP	PTEN	PTF1A	PTH	PTH1R	PTPN11	PTRF	PYGL	PYY	RASGRP2
RB1	RET	RFX6	ROR2	RSPO1	RXFP2	SALL1	SAR1B	SCARB1	SDC3
SDCCAG8	SDHA	SDHAF2	SDHB	SDHC	SDHD	SECISBP2	SEMA3A	SEMA3E	SERPINF1
SERPINH1	SIM1	SLC16A1	SLC16A2	SLC26A2	SLC26A4	SLC2A2	SLC37A4	SLC39A13	SLC5A5
SLC9A3R1	SORT1	SOX10	SOX2	SOX3	SOX9	SP7	SPECC1L	SPRY4	SRA1
SRD5A2	SREBF1	SRY	STAP1	STAR	STK11	STS	STX16	SULT2A1	TAC3
TACR3	TBC1D4	TBCE	TCIRG1	TCTN3	TG	THRA	THRB	TMEM127	TMEM38B
TNFRSF11A	TNFSF11	TP53	TPO	TRHR	TRIB1	TRIM32	TSHB	TSHR	TSPYL1
TTC8	UBR1	UCP1	UCP2	UCP3	VHL	VPS13B	WDPCP	WDR11	WFS1
WNK1	WNK4	WNT1	WNT4	WNT7A	WRN	WT1	WWOX	ZFP57	ZFPM2