

Supplementary Material

Machine Learning Analysis of Genomic Factors Influencing Hyperbaric Oxygen Therapy in Parkinson's Disease

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Table S1. List of genes that were found to be significant in the present approaches.

top500_xgboost	top500_degs	top500_borda	Xgb_Deg_overlap
SNHG5	MTRNR2L1	MTRNR2L1	MTRNR2L1
MTRNR2L1	CHRNA5	VWA5A	CHRNA5
PLOD2	NREP	CHRNA5	NREP
FGF14	PLCB4	NNAT	PLCB4
MRPL23	VWA5A	PLCB4	VWA5A
DLK1	TTC3P1	C3ORF58	TTC3P1
SEZ6L	TXNIP	CRABP1	TXNIP
CCDC144NL.AS1	ELAVL4	TTC3	ELAVL4
S100A13	RGS2	ELAVL4	TTC3
SFRP1	TTC3	PTPRO	SULF1
RP11.122G18.7	SULF1	HIST1H4C	NCALD
PRDX1	NCALD	TXNIP	WLS
C14ORF37	WLS	FREM2	TCF12
IGFBP2	TCF12	TTC3P1	TMSB4X
ROBO2	TMSB4X	ROBO2	NNAT
PTCH1	NNAT	RP11.1094M14.7	PTPRO
CALB1	PTPRO	FOS	DNAJC19
PCSK1	DNAJC19	CCK	ID3
NBEA	MSX1	PPDPF	FOXA2
CDK6	ID3	PDZRN4	ZNF428
C3ORF58	GULP1	PLOD2	HIST1H4C
CRABP1	MAGI2.AS3	IGFBP5	MAP2
CGNL1	FAM13C	H1FX	ASCL1
NNAT	FOXA2	ASCL1	UBE2J1
MTUS1	ZNF428	CROT	CD99
VWA5A	HIST1H4C	CDKN1C	GPM6A
CD24	MAP2	TMSB4X	PITX2
CTNNA3	ASCL1	MACF1	RP11.1094M14.7
CCK	PIK3R1	SULF1	MAP6

PDZRN4	UBE2J1	RFX4	MACF1
GPC3	CD99	CTD.2287O16.1	CMTM8
CHRNA5	GPM6A	EPHB2	EPHB2
SPINK5	PITX2	CCNG2	C3ORF58
EPCAM	RP11.1094M14.7	MAP2	CRABP1
POU5F1	MAP6	NREP	FREM2
CELF2	MACF1	ID3	CCNG2
H1FX	CMTM8	CGNL1	XBP1
NPAS3	EPHB2	LMO4	DMRTA2
TFF3	ALCAM	SELENOP	CDKN1C
PPDPF	C3ORF58	NRP1	LMX1A
GRIA2	CNTN4	DKK1	PAK3
LINC00491	CRABP1	PITX2	FOS
OVOS2	FREM2	CMTM8	WNT5A
AGO1	CCNG2	CD99	BMP7
PLCB4	XBP1	MAP6	SRGAP3
PJA1	DMRTA2	TFF3	ABCA8
BICD2	CDKN1C	AP000769.1	SELENOP
CASZ1	NR2F1	CTNNA3	WSB1
IGFBP5	LMX1A	MIR124.2HG	LMO4
FREM2	PAK3	C14ORF37	NR3C1
FZD7	FOS	SPAG9	CROT
IFITM3	CHN2	ELF1	CEP162
AP000769.1	WNT5A	PAK3	CTD.2287O16.1
TDGF1	BMP7	F3	SULF2
HIST1H4C	DDIT4	NBEA	SLIT2
TOM1	SRGAP3	NPAS3	ADAMTS9
MIR302B	ABCA8	FOXA2	NEBL
PABPC1	LMO3	OVOS2	CDO1
C6ORF141	SELENOP	INSIG2	MLLT11
FOS	WSB1	NCALD	NRP1
TTC3	LMO4	WLS	RFX4
MICAL1	NR3C1	ZNF428	JUN
PTPRO	CROT	TCF12	ROBO2
PAPD7	CEP162	UBE2J1	PPDPF
RP11.1094M14.7	CTD.2287O16.1	CD24	TERF2IP
ELAVL4	RFX3	ARL4A	LINC00261
SYNE2	NCAM1	GPM6A	IGFBP5
INSIG2	SULF2	DNAJC19	CCK
NBPF8	SLIT2	CEP162	TMTC4
CAPN6	ADAMTS9	ABCA8	CAP2
DKK1	NEBL	NR3C1	RHOBTB3
B4GAT1	CDO1	HIST1H2AC	F3
CCND1	COL3A1	CAP2	ARL4A
ID4	MLLT11	H1F0	PDZRN4

TXNIP	NRP1	NEBL	SPAG9
CROT	MYOF	AGO1	SMIM14
CDH2	RFX4	ZNF844	H1FX
NFKB1	JUN	DMRTA2	COL1A2
ACAT2	ROBO2	PTCH1	DZIP1
RFX4	PPDPF	EPCAM	STK3
GATC	TERF2IP	CDO1	TUBA1A
HIST1H2AC	LINC00261	TMTC4	SIPA1L2
CKB	IGFBP5	JUN	ZNF503
PARM1	CCK	BMP7	ELF1
ARMC3	MMRN1	SRGAP3	MIR124.2HG
HIST1H1E	TMTC4	RAB21	ANKRD36
PTN	CAP2	TERF2IP	SLC39A8
TTC3P1	RHOBTB3	TUBA1A	ST13P15
AC104532.4	F3	COL1A2	PLOD2
PMAIP1	ADAMTS6	ADAMTS9	H1F0
BNC2	MXI1	RHOBTB3	ZBTB20
TTR	ARL4A	TLE4	DKK1
CTD.2287O16.1	PDZRN4	LMX1A	SYT11
HSPD1	PPM1K	TCTEX1D2	APLP1
PEG10	SPAG9	RUFY3	TXLNB
MIF	DLL1	XBP1	TCTEX1D2
TCAIM	SMIM14	KIF5C	ZSCAN18
ZFP42	H1FX	HMGCS1	VAMP2
CDKN1C	DDC	RCAN3	STARD4.AS1
STMN2	COL1A2	WNT5A	RAB21
POU6F2	PARP4	MLLT11	P4HA1
PRC1	DZIP1	PLD3	VPS13C
CCDC125	STK3	WSB1	KIF21A
CENPF	TUBA1A	DST	SSFA2
MIR124.2HG	LRP2	LINC00261	RCAN3
IFITM2	SIPA1L2	CELF2	DST
ASCL1	ZNF503	BNIP3P1	TLE4
DAB2	ADGRG1	STMN2	YPEL5
ENO3	KCNJ16	CADM2	CGNL1
ZFHx4	ELF1	SSFA2	ZNF844
FEZF1.AS1	GADD45G	SEMA3E	AP000769.1
ANKRD49	DCX	TEAD1	SEMA3C
NRP1	FOXP1	DZIP1	ANKRD26
ELF1	MIR124.2HG	SCAPER	RUFY3
RP11.543B16.1	EVL	FMR1	ZFHx3
IFITM1	ANKRD36	APLP1	TFF3
SCAPER	SLC39A8	ANKRD36	SSBP3
CNTRL	MLLT3	OXR1	CADM2
MACF1	PROX1	ARMC3	INSIG2

CCNG2	ST13P15	RBP1	SOX11
PLIN2	PLOD2	BNIP3	OXR1
SEMA3E	KCNQ1OT1	KIF21A	RBP1
SLC38A7	RP11.125O18.1	P4HA1	TEAD1
LGI1	H1F0	ANKRD26	CTNNA3
LMO4	KLHDC8B	CASZ1	FMR1
EPHB2	ZBTB20	FGF14	PLD3
ZNF844	DKK1	TXLNB	HMGCS1
SPAG9	SYT11	ABHD2	ZBTB18
SELENOP	APLP1	ZBTB18	BNIP3P1
EPHA4	DUSP1	AKAP9	HIST1H2AC
DPPA4	CDH11	VPS13C	SYNE1
KIF5C	JAKMIP2	MAP1B	SLC8A1
ZNF514	PLCL1	ZNF503	TTC6
TRIM38	FRMD4A	SOX11	NPAS3
CRABP2	TXLNB	CDK6	OVOS2
FST	TCTEX1D2	VAMP2	KIF5C
TMSB4X	ZSCAN18	PRTG	C14ORF37
PDK1	PLXDC2	FAM184A	BNIP3
XPR1	VAMP2	APPL2	APPL2
FZD8	STARD4.AS1	SEMA3C	NBEA
CASC9	RAB21	LHFP	SRRM4
LGALS1	P4HA1	CEP290	CEP290
MAP2	VPS13C	RP11.144L1.8	CD24
RP11.144L1.8	KIF21A	SPON1	RSPO2
SULF1	SSFA2	ZSCAN18	AKAP9
HMGCS1	RCAN3	ZBTB20	FAM184A
GAPDH	NKAIN4	SULF2	AGO1
CENPE	RBM24	ID2	SCARB2
ABHD2	CFAP70	SDC2	SEMA3E
F3	PPP2R2B	YPEL5	STC2
THAP6	DST	ST13P15	MAP1B
GPR161	TLE4	BNC2	SCAPER
PTPN13	PPP1R3B	ZFHX3	SDC2
KIF16B	LRTM1	SIPA1L2	EPCAM
PLD3	FAM172A	WDR78	SRGAP1
FKTN	YPEL5	HIST1H1E	STMN2
LHFP	PIEZO2	SLIT2	TPT1.AS1
ASPM	PDE4D	STARD4.AS1	SLC7A11
H1F0	SIAH3	SERPINF1	PTCH1
ID3	CGNL1	RSPO2	WDR78
ARHGAP21	CCDC191	STK3	PRTG
RUFY3	EPB41L3	TTC6	XRN1
L1TD1	ZNF844	SYT11	ABHD2
CENPA	C6ORF118	SMIM14	ZMAT1

PITX2	AP000769.1	ZFHX4	SYT4
B9D1	MYLIP	CALB1	SPON1
ARL4A	FAT3	TGFB2	SATB1
BNIP3P1	CXXC4	SCN7A	ULK2
RAB21	MEIS2	SLC39A8	ARMC3
THY1	SEMA3C	TPBG	SCN7A
ARL13B	ANKRD26	ITSN2	ID2
CMTM8	LSAMP	ULK2	ZFP30
NREP	MAP1A	SSBP3	CELF2
STAM2	AFF3	SLK	LHFP
TLE4	RUFY3	PTN	VEGFA
TNFRSF21	GRINA	PDK1	TPBG
NRIP1	ZFHX3	TTR	RP11.144L1.8
PAK3	TFF3	B4GAT1	SERPINF1
ARHGAP32	SSBP3	PEG10	SPOCK1
CD99	FOXP2	CHD6	SLC18A1
ZBTB38	CADM2	FKTN	YPEL2
MAP6	INSIG2	VEGFA	TGFB2
AP5M1	SOX11	ID4	SLC43A2
ACTC1	FAM228B	XRN1	CASZ1
TEAD1	OXR1	SYNE1	TTLL1
CADM2	RBP1	ARHGAP21	ITSN2
FMR1	IL6ST	SCARB2	SLIT1
BNIP3	TEAD1	SRRM4	CHD6
PRTG	DACH1	THAP6	SIM1
SLK	CTNNA3	SATB1	ZC3H12C
MKI67	FMR1	NBPF8	SLK
TCTEX1D2	PLD3	GRIA2	FGF14
EGFEM1P	HMGS1	TPT1.AS1	ZNF354C
CAP2	ZBTB18	SLC8A1	SRSF12
RCAN3	BNIP3P1	STC2	CDK6
ANXA2	PCBP4	ZBTB38	SYT1
MAP1B	CACNA2D1	ZMAT1	SSH2
PYGO1	HIST1H2AC	SRGAP1	SLC8A1.AS1
WASF3	SYNE1	ZFP30	VANGL2
DST	COL5A2	WASF3	STMN4
OXR1	SLC8A1	SOX21.AS1	BNC2
CEP162	TTC6	SYT4	SAMD5
AKAP9	TET2	SIAH3	HIST1H1E
EFNB2	NPAS3	ANKRD49	ZFHX4
GRAMD1B	OVOS2	SLC7A11	ZNF654
SERPINF1	KIF5C	NRIP1	ST18
SPON1	NTN1	VANGL2	PDK1
RBP1	C14ORF37	YPEL2	FKTN
TUBA1A	ARHGAP29	ARHGAP32	XPA

RP11.392P7.1	CNTN6	CCDC125	ZNF503.AS2
ITSN2	SOX21.AS1	SOX21	NA
SAMD4B	HMG2P5	TET2	NA
NEBL	DNAJB4	SPAG16	NA
TGFB2	RP11.123K19.1	XPA	NA
COL1A2	BNIP3	USP5	NA
ID2	GRHL2	TAGLN3	NA
NR3C1	NDN	TTLL1	NA
EGFL6	APPL2	AC104532.4	NA
TMTC4	GPC2	ZC3H12C	NA
FOXA2	FGD6	STAM2	NA
ABCA8	NBEA	SAMD5	NA
NFXL1	FLRT3	ZNF654	NA
SSFA2	TAGLN3	SLC18A1	NA
VIM	C14ORF132	USP53	NA
TAGLN	SRRM4	SEMA4D	NA
ZNF428	GSTM3	TSC22D3	NA
JUN	CEBPD	SHH	NA
UBE2J1	CREBRF	PYGO1	NA
CDO1	AKT3	WDR60	NA
TERF2IP	MBNL2	NFXL1	NA
AC007383.6	CEP290	UNC5D	NA
GPM6A	CD24	SPOCK1	NA
COMT	DLL3	ZNF354C	NA
FAM184A	KITLG	ZNF503.AS2	NA
RHOBTB3	CHD3	INA	NA
DHRX	RSPO2	SPEF2	NA
ASNS	SHH	EFNB2	NA
WLS	FHL1	SYT7	NA
NCALD	EGR1	TIPARP	NA
TCF12	AKAP9	SPAG1	NA
CHD6	AGO3	TRIM9	NA
LINC01021	ASXL3	TCAIM	NA
ZBTB18	FAM184A	TTLL3	NA
HMGB2	AGO1	SLC43A2	NA
DMRTA2	TIPARP	SIM1	NA
BCL2L1	OSBPL10	SSH2	NA
DNAJC19	COLEC12	SRSF12	NA
ADAMTS9	SCARB2	TOPORS.AS1	NA
PALLD	ATP6V0A1	SOX2.OT	NA
CLSPN	SEMA3E	SLIT1	NA
APLP1	DNAJB2	THSD7A	NA
BMP7	CDHR3	SYT1	NA
SRGAP3	STC2	TAOK1	NA
PFKP	RGS16	TENM2	NA

AC105399.2	TSC22D3	SAMD4B	NA
ANKRD26	RP11.834C11.4	SERTAD2	NA
TPBG	MAP1B	TEX15	NA
UGP2	COX6CP1	EGFL6	NA
MTATP6P1	CPEB4	TMEM263	NA
ARL6IP1	LYST	ACAT2	NA
MIAT	SCAPER	RTN1	NA
PMEL	SOX21	ST18	NA
INA	SDC2	TMEM169	NA
TERF1	EPCAM	STMN4	NA
CEP290	SRGAP1	KIF16B	NA
TBC1D23	STMN2	RSPH4A	NA
ANKRD36	TPT1.AS1	SDSL	NA
APPL2	IPP	MIAT	NA
MLLT11	CADPS	TSPAN13	NA
GPATCH4	HSPB1	SAT1	NA
DZIP1	LPGAT1	TFPI2	NA
KIF21A	THSD7A	SLC8A1.AS1	NA
SOX11	SLC7A11	ZNF471	NA
P4HA1	RP1.146I3.1	TTYH2	NA
LINC00261	HES6	SDAD1P1	NA
PCLO	SPAG16	ZNF568	NA
SDC2	PTCH1	SEZ6L2	NA
LMX1A	APPBP2	TAGLN2	NA
WDR78	WDR78	AC105399.2	NA
UACA	LRRC27	SGSM2	NA
USP5	RORA	SLC16A14	NA
UNC5D	PRTG	ZNF514	NA
WHAMMP3	XRN1	ZNF337	NA
TWF2	NSMCE3	SLC16A3	NA
SCN7A	CRIP2	ZFP42	NA
WDR60	NENF	MIF	NA
SELENBP1	CCDC173	TRIM38	NA
WNT5A	ABHD2	TMEM161B.AS1	NA
WNT7B	ZMAT1	WHAMMP3	NA
WSB1	RAB22A	CNTRL	NA
USP40	FBXW7	VPS8	NA
WWTR1	HSPA4L	SLC2A4RG	NA
XBP1	RIMKLA	ZFH4.AS1	NA
XPA	ANKRD36B	SETBP1	NA
SDSL	SYT4	TBC1D23	NA
TTPAL	TRIM9	SCG3	NA
USP53	MAMDC2	SLFN5	NA
SCUBE1	SPON1	TGFBR3	NA
VPS11	SATB1	TERF1	NA

TXLNB	TAOK1	SLC12A2	NA
VPS13C	ULK2	GOLGA6L2	NA
VPS33A	FMNL2	SOS2	NA
SDK2	CAB39L	SIM2	NA
VPS37B	FAM46A	THAP2	NA
VPS8	PHYHIPL	ZBTB4	NA
UMAD1	ARMC3	SCN3B	NA
ULK2	TMEM263	BCL2L1	NA
SEMA4D	APCDD1	TMEM163	NA
TTYH2	PIGP	SOX5	NA
VEGFA	TENM2	ST6GALNAC5	NA
SDHAF4	TMEM169	POU5F1	NA
USP38	GPRC5C	TMEM65	NA
VWDE	EPB41L4A	ZFAND2A	NA
WAC.AS1	SCN7A	SPATA17	NA
SDAD1P1	GOLGA6L2	PCLO	NA
VAV2	ARID5B	SLC35D1	NA
SCUBE3	ENKUR	SLC7A2	NA
SEC22B	ID2	ZHX1	NA
VANGL2	FSIP2	ZNF189	NA
UBR3	ZFP30	ZNF316	NA
TTLL3	TEX15	TSHZ1	NA
VAMP2	GNG2	HIST1H1A	NA
UBE2C	PPM1L	ZBTB16	NA
SEMA3C	NRCAM	TMEM132A	NA
SLC7A2	CELF2	SLC2A13	NA
SCN3B	PDGFD	VWDE	NA
ZNF501	NPL	SOX6	NA
ZNF793.AS1	NEUROD1	YWHAZP2	NA
ZNF789	CST3	TPPP3	NA
ZNF765	CEP126	SBDSP1	NA
RSPO2	CCDC122	TNFRSF21	NA
ZNF654	GIPR	TMEM88	NA
RTN1	GPRIN3	SNAI2	NA
ZNF614	C6ORF89	CCND1	NA
ZNF611	FAM214A	SORBS2	NA
RUNX1T1	ADAM9	ZADH2	NA
ZNF583	ANO4	B9D1	NA
RXRA	LHFP	VAV2	NA
S1PR1	SYT7	SNIP1	NA
SAMD5	EYA4	ENKUR	NA
ZNF580	TOPORS.AS1	ZNF580	NA
SASH1	VEGFA	USP38	NA
ZNF568	FAM110B	ARL6IP1	NA
ZNF562	SERTAD2	SIAH2	NA

ZNF561.AS1	FAM210B	TRAM1L1	NA
ZNF516	CBFA2T2	COLEC12	NA
ZNF503.AS2	TPBG	VTN	NA
ZNF503	CCDC146	KLK1	NA
ZNF816	SPEF2	TRAM2.AS1	NA
ZNF860	RGS4	S1PR1	NA
RSPH4A	SPAG1	DDIT4	NA
AC010095.6	RP11.144L1.8	TMEM19	NA
AC093698.1	NME5	SETD7	NA
AC092798.2	HIST1H1A	FAM13C	NA
AC072052.7	MIR99AHG	PTPN13	NA
AC019129.1	LBH	ZNF333	NA
AC015977.5	RP11.1217F2.1	TMEM47	NA
AC012671.2	PCSK2	SLC25A12	NA
AC012354.6	DMD	AC010095.6	NA
AC010468.1	TFPI2	SLC22A18	NA
AC010150.1	SERPINF1	ZNF583	NA
AC009963.5	FZD1	SIK2	NA
ZSCAN16	CEP41	DUSP1	NA
AC009517.2	MAGI2	ZNF423	NA
AC009005.2	SPOCK1	EVL	NA
AC007389.2	BTG2	DDC	NA
AC007283.4	FSD1L	NHLH1	NA
AC007279.2	SOX2.OT	DCX	NA
AC006273.5	PTPRM	TIAM2	NA
AC005534.6	ABCG1	ZNF26	NA
AC002075.4	SLC18A1	SMYD2	NA
ZSCAN18	SGSM2	SPA17P1	NA
SAT1	ATP8B1	GULP1	NA
SATB1	PAPSS2	RP11.404O13.5	NA
XRN1	CLDN5	SF3A2	NA
ZNF484	CLUAP1	ZBTB40	NA
ZFHX3	GOLGA1	SELENBP1	NA
ZFAND2A	TSPAN13	ZNF432	NA
ZDHHC9	GPR85	SCD5	NA
TTC6	YPEL2	DLL1	NA
ZDHHC7	MAGI3	TNRC6C	NA
ZCCHC4	TGFB2	TLE3	NA
ZCCHC2	SLC43A2	SDHAF4	NA
SCG2	CASZ1	TTC30A	NA
ZC3H12C	TTLL1	SCN3A	NA
ZBTB40	RGAG4	EPB41L3	NA
SCG3	CHMP4BP1	SCG2	NA
ZBTB4	DGKB	SPAG17	NA
ZBTB20	IQCE	WAC.AS1	NA

ZBTB16	HIST1H1D	ZNF362	NA
ZBED3	POSTN	CXXC4	NA
ZADH2	KIFAP3	ZNF516	NA
YWHAZP2	ARL6IP1P3	EGR1	NA
YPEL5	ITSN2	DACH1	NA
YPEL2	LINC00936	SLC37A1	NA
YJEFN3	IRAK4	ZNF793.AS1	NA
YIF1B	MATN2	TTC30B	NA
SCD5	SLIT1	TCAF1	NA
ZFHX4.AS1	MKL2	FAM172A	NA
ZFP30	NR2F2	GATC	NA
SBDSP1	NUMA1	SOGA1	NA
ZNF483	TMEM161B.AS1	SIMC1	NA
ZNF48	NDRG1	ATP1A2	NA
ZNF471	C9ORF16	SMPD1	NA
ZNF432	CHD6	MIR302B	NA
ZNF423	FOXJ1	ENO3	NA
ZNF385D	ATXN1	TH	NA
ZNF362	RP11.227H15.5	TAOK3	NA
ZNF358	CCDC30	SNAP25	NA
ZNF354C	GSE1	TRAF3IP1	NA
ZNF337	ANK3	DNAJB4	NA
ZFP62	CAMK2N1	TAPT1	NA
ZNF333	SIM1	SCGN	NA
ZNF316	CFLAR	TSPYL2	NA
ZNF274	EGLN1	GADD45G	NA
SCARB2	EFNB3	EBF3	NA
ZNF26	HAPLN1	SIRT6	NA
ZNF248	MORC4	ZNF358	NA
ZNF189	IKZF2	SCUBE1	NA
ZMAT1	RP11.404O13.5	SPATA13	NA
ZHX1	RP11.51L5.2	SYT17	NA
TTLL1	LOXL1	ZNF470	NA
TPT1.AS1	ZC3H12C	TMEM178B	NA
SEMA6D	GNG11	CYP1B1	NA
SLC16A14	SEZ6L2	FOXP1	NA
STARD4.AS1	ANKRA2	PJA1	NA
ST7	ANKRD13A	UBR3	NA
ST6GALNAC5	SLK	DLL3	NA
ST3GAL1	NT5C3AP1	ZNF860	NA
SIRT6	FGF14	ZNF484	NA
SLC12A2	ARX	RSPH1	NA
ST18	KIAA1257	GPC2	NA
ST13P15	LRRC6	SEMA3D	NA
SSH2	ZNF354C	GRINA	NA

SLC16A11	KDM6B	FRMD4A	NA
SLC16A3	FNDC5	DNAJB2	NA
TTC39C	SRSF12	STK39	NA
SSBP3	FER1L4	TNKS1BP1	NA
SRSF12	CDK6	SERTAD3	NA
SRRM4	SYT1	FAT3	NA
SRR	TAGLN2	SCUBE3	NA
SLC18A1	SSH2	SNCA	NA
SLC19A2	KLK1	TIGD2	NA
SLC22A18	RCOR2	TPD52L1	NA
SRGAP1	AC005154.6	WDR66	NA
SLC25A12	ANKMY2	WDR31	NA
SRF	NCKAP5	EPB41L4A	NA
SIRT5	LMBR1L	COL21A1	NA
STAT6	SLC8A1.AS1	ALCAM	NA
STC2	PNMA2	TMEM59L	NA
SIPA1L2	NEAT1	GRHL2	NA
SYT4	VANGL2	SYP	NA
SYT17	ATP1A2	FAM110B	NA
SYT11	STMN4	FAM228B	NA
SYT1	C8ORF4	EYA4	NA
SYP	RP11.620J15.3	ADAMTS6	NA
SYNPO2	LRP11	GSTM3	NA
SIK2	PDE3A	TRAF7	NA
SIL1	LRR1Q1	FOXP2	NA
SYNJ2	TMEM163	ADGRG1	NA
SYNE1	ATP10D	CHN2	NA
SIM1	BNC2	FGD6	NA
SYMPK	MIR210HG	CFAP45	NA
SIM2	AFDN.AS1	CALB2	NA
SULF2	SETBP1	SEMA6D	NA
STON1	CLDN4	FLRT3	NA
STN1	NUAK1	FHL1	NA
STMN4	ERGIC1	EDN1	NA
SIMC1	RP11.33B1.1	SLITRK5	NA
STK39	NHLH1	EGLN1	NA
STK3	SAMD5	RP11.404O13.4	NA
STIM1	AGPAT3	EFNB3	NA
SPRY2	DOC2B	SYNJ2	NA
SPOCK1	HIST1H1E	HES6	NA
SLC25A14	TGFBR3	GPRC5C	NA
SOBP	NUDT4	CNTN4	NA
SNN	RSPH1	GRAMD1B	NA
SLC35E2B	POLR3GL	DAB2	NA
SNIP1	ZFHX4	TTC25	NA

SLC37A1	ZNF654	TRPS1	NA
SNCA	IGBP1P1	XPR1	NA
SNAI2	BMT2	WNT7B	NA
SMYD2	AGO4	DMD	NA
SLC39A8	HIST2H2BE	GNG2	NA
SMPD1	NCOA6	GPRIN3	NA
SLC41A1	ST18	SLC16A11	NA
SMIM14	MOK	AC007283.4	NA
SMAD9	THAP2	SPAG4	NA
SLITRK6	DDIT3	TSPAN19	NA
SLC43A2	PDK1	ARHGAP29	NA
SLITRK5	B3GALT2	COL3A1	NA
SLIT2	COPE	SRR	NA
SLC7A11	MLLT1	TP53I13	NA
SLIT1	RAB11B	TIGD1	NA
SLFN5	TPPP3	GIPR	NA
SLC8A1.AS1	FKTN	AFF3	NA
SLC8A1	XPA	TOM1	NA
SNX19	GADD45A	FBXW7	NA
SORBS2	ZNF503.AS2	AC008753.3	NA
SPIN4	CELSR2	ASXL3	NA
