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**Table S1 Genes significantly related to TIMELESS and RORA**

TIMELESS		RORA	
Up	Down	Up	Down
ESPL1	HOPX	TTBK2	GALE
CDK2	ST3GAL5	TCF4	SLC39A4
KIF18B	SFTA2	TSHZ2	KRT18
NCAPH	C16orf89	SLCO3A1	TLCD1
FANCI	C1orf116	PHC3	C4orf48
FOXM1	SLC22A31	HECA	S100P
CDC25A	NPC2	SLC9A9	KRT7
TICRR	CAPN8	SETBP1	GPR39
RAD54L	NAPSA	SEMA6D	SDSL
TROAP	HNF1B	BACH2	STARD10
CENPO	FOLR1	CACNA2D3	PYCR1
KIF23	MUC1	FOXO1	C11orf86
CHAF1A	SFTA3	MYO5A	SPDEF
UNG	CFAP221	PIK3CA	SMIM22
CDCA5	GGTLC1	DIPK2A	REEP6
RACGAP1	ACSL5	LEF1	SMPDL3B
PRC1	PNMA2	FGFR2	FAM83A
RFC5	RORC	MAF	B3GNT3
MCM2	STEAP4	SDK1	MROH6
BLM	MUC21	PTPRD	KPNA7
BUB1B	LMO3	EML1	TJP3
ORC1	FMO5	FOXN3	CRACR2B
NCAPD2	SLC34A2	PGAP1	TMEM92
E2F7	TMEM125	PLEKHG1	HGD
KIF4A	SLC44A4	VPS8	MISP
NEMP1	BCL2L15	MCC	GOLT1A
TPX2	FCER1A	SLC12A6	C19orf33
POLQ	SCN7A	TENM4	CLDN3
MCM7	TMEM163	SOX5	WFDC3
SPAG5	NKX2-1	TUB	ALDH3B1
EME1	GLOD5	PELI2	PHLDA2
AUNIP	RNASE1	ATP11B	QPRT
FEN1	GPR39	GLI2	ICA1
BUB1	CISH	MYCBP2	VSTM2L
KIFC1	ACOX2	BICD2	PLEK2
CDC45	ARL6IP5	NXPE3	PPP1R14D
EXO1	ADGRF5	EPB41L2	AGR2
CDC6	ALDH3B1	KLF12	MYEOV
CDCA3	SLC26A9	SDK2	NPW
PSMC3IP	RBPMS	C20orf194	CYP24A1
RFC4	HNMT	SIPA1L2	ISG15
C17orf53	CEACAM6	WNT5A	RORC

HASPIN	CD1C	ITPKB	MB
GTSE1	FBP1	TBX3	PON3
SKA1	STK32A	TLE4	TRIM31
KIF11	MLPH	ACAP2	SYT12
KIF15	SPDEF	EDDM13	CNTD2
BRCA1	AGR3	SESN3	SFTA2
MCM4	CRIP1	ARHGAP24	SNCG
MCM10	SLC22A3	ADAM23	LRG1
TTK	ARHGEF38	ARHGAP28	MSLN
NUSAP1	SMIM6	HDGFL3	TFPI2
RAD51AP1	GNA14	ABCC5	MUC1
MCM8	CD55	SPARCL1	KCNN4
DTL	CTSH	UBXN7	MGST1
KIF14	TMEM92	P2RY1	CDA
INCENP	DPP4	NTRK2	B3GNT6
PLK4	C1QTNF7	KLHL24	TMEM125
ARHGAP11A	PRR15L	CACNA2D1	MUC21
PLK1	NINJ2	CLDN20	FBXO2
NDC80	PDZK1P1	RNF217	CST6
KNL1	SELENBP1	NEO1	FA2H
OIP5	SMIM22	RCAN1	AKR7A3
CDT1	SGMS2	ABCA5	BPIFA2
DDIAS	RAB27A	SMARCA2	HNF1B
CENPA	NDNF	RNF168	FGB
TOPBP1	TMPRSS2	NHSL1	BCL2L15
XRCC2	ALOX15B	SLIT2	PAEP
AURKB	DLC1	CACHD1	TESC
CKAP2L	NME5	TSPAN18	TMEM45B
CDCA8	UBXN10	PCYT1B	TNNC2
CCNB2	HLA-DMA	BCL11B	CCNJL
ZWILCH	CFI	FAM43A	HPN
MMS22L	CTSE	DLG1	DUSP4
NCAPG	PIGR	METTL24	RGL3
CENPF	ATOH8	PRKX	C15orf48
RAD51	MGP	MID2	FGA
SGO1	MGLL	ADD2	EPHX3
ORC6	HPGDS	CTTNBP2	PLEKHA6
UHRF1	INMT	KLHL42	CLDN6
SPC25	ARHGDIB	PLCB4	C4BPB
CLSPN	TMC5	ZEB1	KCNK5
HJURP	TNFRSF10C	ROBO2	PRR15L
FAM72B	FAM20A	TMTC1	FGL1
LMNB2	SCTR	GPC3	METTL7B
ZNF367	PLAC9	PCSK5	TMC5

CHEK1	GNG7	TTC14	EREG
SKA3	RPS6KA2	DIP2B	GCNT3
BRIP1	MVP	FRAS1	FOLR1
NCAPG2	CDKL2	COLGALT2	GPRC5A
CIP2A	VSIG2	NAV1	FOXJ1
HELLS	EMB	KIAA1671	MLPH
SENP1	SMPDL3B	ABCA13	PDZK1IP1
ASPM	KCNK5	PTCH1	SLC22A31
TOP2A	C4BPA	MERTK	ACSL5
ZWINT	KCNQ3	FZD7	KRT81
LMNB1	SELENOW	SVEP1	SLC44A4
DKC1	MYBPHL	GOLIM4	NKX2-1
FAM72A	SUSD2	NAP1L2	BHMT2
POLA2	PON3	DZIP1L	AOC1
SKP2	SFTPBP	CHST7	FGG
MTFR2	C9orf152	DST	MUC13
CENPI	SYNE1	USP34	DNAJC12
KIF2C	CDH15	TET3	TFF1
CDCA2	TREM1	PPM1L	CPS1
FANCD2	PTPRE	AMOTL1	ARSE
SMC2	FCHO2	STON1	AQP3
SMARCD1	SDR16C5	YEATS2	MUC5B
PARPBP	IGIP	PLA2R1	CAPN8
TMPO	SERPINA1	MDGA1	LCN2
CENPE	PLA2G10	SYNM	SPINK1
FANCB	CYB5A	GFOD1	CEACAM6
MSH6	SLC4A4	STOX2	NAPSA
POLE	SNED1	COL4A5	SFTA3
TRAIP	SLC16A4	PCYT1A	EEF1A2
ANAPC7	RFTN1	SLC7A8	BPIFA1
EZH2	RHOBTB2	RUNX3	AZGP1
ECT2	CXCL17	VLDLR	
WDR62	MEF2C	PRIMA1	
TYMS	AK1	ZNF462	
DSCC1	COL4A3	NDRG4	
CCNA2	C10orf95	LRRC4	
ERCC6L	ROS1	PCDH19	
KPNA2	CCDC68	PAK5	
SUV39H1	BOK	JAKMIP2	
MCM3	ADGRD1	ABCA1	
FAM83D	AQP7	ZNF770	
MCM6	WFDC2	BOC	
WDHD1	GPRC5A	SORL1	
MYBL2	CXXC5	PIK3R1	

PRIM1	SCNN1B	DMRT2	
PRR11	MMP28	DENND2C	
KNTC1	ABCC6	MICAL3	
GINS1	CD1E	ARHGEF26	
GINS4	NFE2	NRCAM	
CSE1L	RILP	VANGL2	
PIMREG	TMEM150A	SOGA1	
CHAF1B	IL6ST	ARHGEF28	
SPC24	CLDN23	DACH1	
ATAD5	SPINK1	EHD3	
CENPH	CCNJL	COBLL1	
KNSTRN	AQP1	SCD5	
ASF1B	SLC9A3R2	BCHE	
MTBP	SLC49A3	JMJD7-	
SRSF9	TGFBR2	PLA2G4B	
PCNA	NOSTRIN	HEG1	
XPOT	PIFO	TSLP	
FBXO5	CLIC3	RNF152	
MKI67	AHCYL2	CRMP1	
LSG1	SFXN3	WNT2B	
GMPS	KLF2	PHLDB2	
MELK	SMIM14	PALLD	
E2F2	SLC39A8	ATP2B1	
SART3	CHI3L2	GJA1	
KIF18A	HABP2	MARK1	
DEPDC1	GAPT	MAP1B	
RFWD3	SHE	SOX2	
NUP205	LY86	JARID2	
AURKA	IFITM2	PRR5L	
NUF2	HPGD	GCSAM	
NEK2	LONRF3	GLI1	
ESCO2	SFTPD	DUOX1	
PSRC1	CHIA	GPNMB	
STIL	KLHDC7A	EPHB6	
CDC20	CCDC69	BLMH	
BIRC5	EMCN	GHR	
MGME1	PLA2G1B	DVL3	
KMT5A	CST5	MYH11	
CDC7	GOLT1A	TGFBR3	
KIF20A	TSPAN4	AKT3	
TRA2B	GJB1	NPL	
CCNF	SOD3	GSTM2	
TRIP13	DNALI1	NFE2L2	
MCM5	FOXA2	NMNAT3	

GIN53	LRRN4	PLD1	
IMMT	CELF2	LSAMP	
DBF4B	ARRB1	AASS	
UBE2S	LRG1	MAPKBP1	
CDK1	CPM	CBX6	
SGO2	SEC14L6	MRAP2	
PKMYT1	CITED2	MCOLN3	
NCAPD3	ITGA8	IGSF3	
DLGAP5	CST6	C21orf91	
TEDC2	APOH	JAG1	
VRK1	STS	PCDHGC3	
MAD2L1	MMP24	TMEM117	
RANBP1	TNFSF12	MAPK10	
MARS	ZMYND12	PTPN14	
PSMD11	CRYM	EGR2	
ATAD2	CTSO	TMPRSS11F	
GIN52	SLC46A2	MATN2	
RRM2	CST3	KCNJ2	
DENR	FAM107B	NRN1	
RFC3	CYSLTR1	SLC2A12	
CENPM	AGRP	FGF2	
RBL1	MBIP	KIRREL1	
PTBP1	CYP4B1	FAM117B	
PBK	LIMCH1	SYNGR1	
PA2G4	ADH1B	PTPRZ1	
ZFP64	TCF21	HAS3	
PRPF19	CX3CR1	EIF5A2	
SSRP1	PEBP4	DKK3	
MIS18A	SNTB1	EGFL6	
RNASEH2A	SCEL	RASSF9	
FANCG	ARRDC3	RGMA	
TCF19	VSTM2L	ADD3	
FANCA	MSLN	FXYD6	
DEPDC1B	GNG11	OLFM1	
LIG1	KRT7	SEMA6A	
TBC1D31	HSPB7	SLC35G1	
TDG	HLA-DPB1	TP63	
MASTL	PAG1	STON2	
TACC3	CCDC170	TMTC3	
RM12	MAP1LC3C	GPR161	
PSMD2	ARSE	MAP1A	
R3HDM1	AGR2	KLHL13	
REPS1	TRAM1	BCL11A	
CHEK2	GLRX	TMEM246	

TTF2	ASAH1	ABCC1	
RRM1	HLA-DRB1	RAET1L	
SASS6	DRAM1	PDZRN3	
BORA	SLC1A7	PYGO1	
DNAJC9	ORM2	INSYN1	
CKAP2	S100B	NFIX	
NOP56	FAM81B	AHNAK	
DNA2	SIAE	ITGB8	
EXOSC2	TMEM45B	GBP6	
SMC4	CERKL	SCARA3	
HNRNPM	ESYT3	ZBTB7C	
CEP55	AQP3	ADH7	
NUP37	HLA-DQB1	CD44	
C1orf112	RCAN2	SGK1	
CEP152	GLB1L3	PTPRS	
DBF4	PLA2G12B	WNT11	
EFTUD2	SLC46A3	UST	
YEATS2	RAB17	IGSF10	
CENPN	ATP8A1	LRP1	
ZBTB39	ORM1	CREB5	
SNRPD1	SORCS2	LIN7A	
GEN1	PGC	SMOC2	
HDAC2	ARHGAP40	LGALS	
RNASEH1	JAML	ARHGEF25	
CEP78	LGALS3	AUTS2	
KHSRP	CD302	CHST2	
RCC2	EPHA10	CDH13	
GMNN	CD74	SMO	
FBXO45	KNDC1	KLF4	
DSN1	HLA-DRA	F2RL2	
TFCP2	GALNT10	CRYAB	
CCDC77	LST1	CPXM2	
CAD	HIGD1B	BMP7	
TIPIN	PLD4	DLX5	
CCNB1	NR3C2	FEZ1	
DVL3	RETN	THEMIS	
RPA1	SCGB3A1	DCUN1D1	
TMEM201	SYTL2	ADAMTS1	
OPA1	C3	CDHR1	
RAE1	ACOXL	TMCC2	
NUP107	B3GNT8	DIAPH2	
FAM72D	PAM	PAMR1	
SMPD4	TXNIP	DGKA	
TET3	FHL5	LAMA2	

NOP2	PARM1	BTG2	
TUBA1B	DOK4	NOTCH1	
RECQL4	TNNC1	LTB4R2	
ACTL6A	HSD17B11	FETUB	
PSME4	CD151	IGF1R	
PIF1	ELFN2	CEP19	
SNRPA	PGM5	BCL2	
HAUS8	IL37	EMP1	
MND1	ATP11A	SHROOM2	
AAAS	ITGB6	CSRP2	
UBE2T	SCGB3A2	MN1	
HMGA1	BEAN1	OXGR1	
PRIM2	NRP1	LIMK2	
PPM1G	SORBS2	NPR2	
BRI3BP	HLA-DQB2	ARRDC4	
DNMT1	DDAH1	LRATD1	
CENPW	PDE4C	ABCG1	
ATP5F1B	FAXDC2	CNTNAP2	
NOL10	ATP10A	ITGA6	
SNRPA1	B3GNT6	TENM2	
ANLN	GPD1L	DAPL1	
KDM2B	SHROOM4	XXYLT1	
KIF22	SPINK13	CACNA1B	
WDR43	TDRD10	VSNL1	
SHMT2	ABCC3	TACC1	
CEBPG	MFSD4A	CALML3	
CBX1	ADAMTS8	PHF24	
ADIPOR2	RGN	DMRT3	
DIAPH3	ZNF69	PTGFRN	
UCK2	MACC1	TSPAN7	
FXR1	KIF12	LGI3	
SPINDOC	ANG	HAP1	
TK1	A2M	FAT2	
NDC1	CFB	SAMD12	
E2F1	GMFG	COL4A6	
RUVBL1	EPDR1	HMCN1	
SAE1	TJP3	SBSPON	
SNRPF	ENPP4	HEY1	
POLA1	VEPH1	FREM2	
XPO1	S100A4	TRPV4	
RHNO1	CD47	NPTXR	
ALYREF	ITGA9	PTN	
H2AFZ	CRIP2	UGT1A7	
CTPS1	RGCC	FRMD6	



BRCA2	HLA-DRB5	LARGE1	
MTA2	DNAJB13	SOSTDC1	
SCML2	DPYSL2	DUOXA1	
WBP11	LPCAT1	NELL2	
CDC25C	ICAM1	FBLN1	
USP5	TMEM273	CELSR2	
WDCP	CLIC5	CLCA2	
SSX2IP	SMIM1	RAI2	
C19orf48	HKDC1	PTGER4	
DNAJB11	EVA1A	RADX	
MTIF2	ESAM	COPZ2	
HAT1	B3GNT7	LAYN	
CENPU	NNMT	DPYSL4	
CKAP5	GPX3	PLXDC2	
DHX9	RHOA	ACP7	
DNM1L	MALL	EMILIN3	
CDCA4	TSC22D3	GABRE	
THOP1	HLA-DPA1	LTB4R	
MSH2	BTBD9	NRG1	
SRRT	KCNQ1	KCTD15	
SMC1A	SULT1A2	PGBD5	
UMPS	SLC44A3	MAFB	
SET	COL4A4	MYLK	
XPO5	MUCL3	LTBP1	
ZNF384	AQP4	FZD6	
DHX35	SULT1C2	NUAK1	
COQ3	TOR4A	FOLH1	
ZNF639	ALOX5AP	SERPINB13	
USP39	CACNA2D2	STK32B	
RFC2	TMPRSS6	C14orf132	
WDR53	GKN2	TMEM158	
DHX33	ADGRE5	EGR3	
CDKN3	TMEM173	PKP1	
SHCBP1	SERPINB1	SNCA	
ILF3	TESC	MSRB3	
RPAP3	CLDN2	PIGX	
WDR75	C7	TPRG1	
EIF4G1	S1PR4	IGFBP5	
PNPT1	CA13	SIAH2	
SMC6	ME3	FZD1	
MYO19	MAMDC2	PTPN13	
MRPL47	GRAMD2A	DSG3	
POP1	CASS4	TFRC	
H2AFX	AOC3	LRP4	

TUBG1	ALDH2	EFS	
DIP2B	C4B	TRIB2	
CCDC86	SHISA3	ACSS1	
HNRNPR	DUSP1	CNTN1	
UBE2C	CLEC3B	DYNC111	
U2AF2	CSDC2	SCN4B	
WDR5	SPTLC3	GNAZ	
HMGB2	OCLN	MB21D2	
CCDC34	KCNN4	CD200	
UPF3B	TENT5C	EPHB3	
NUP153	ABCA8	DDR2	
LTV1	LRRK2	NKAIN2	
TUBA1C	ANKDD1B	WASF1	
PRPF4	C1orf210	HR	
DNAJC14	CA3	PLA2G4F	
SELENOI	ICAM2	SLC37A2	
RBM28	TNFSF13	KRT5	
CCDC138	ENPP5	DLX6	
DDX39A	ATAD3C	KRT6B	
TUBB	VAMP5	CYB5R2	
CENPL	PON2	TIAM1	
RSRC1	TLR2	NPR3	
FAAP24	CABCOCO1	PLCXD2	
TAF5	RGL3	ZNF750	
DEK	KLRB1	LRP12	
IGF2BP3	DNAH5	DSC3	
UBA2	CSRNP1	KCTD1	
TFRC	CREB3L1	GABRQ	
PRKDC	TREM2	LARP6	
ARHGEF39	HLA-DMB	CERS3	
KIF24	CD1A	GPRC5B	
DHX37	SFTPA1	ASAP2	
PGAM5	CXCL2	GPRC5D	
RIOK1	CD52	PDPN	
C18orf54	C11orf96	DNASE1L3	
INTS13	FMN1	TMPRSS11D	
SEN2	RRAD	PARD6G	
RMND5A	ACSM3	SLC1A4	
BLMH	LY96	MTCL1	
FKBP4	CRACR2B	ENTPD3	
XXYL1	GPSM3	CCND2	
NAA50	EFCC1	CLSTN2	
GPI	SLC41A2	TMPRSS11A	
DVL2	ENC1	IGSF11	

TBCCD1	BANK1	ANTXR1	
KPNB1	RASL12	B3GNT5	
TESMIN	DPYD	KIAA1549L	
NUP155	SLC1A1	SOX21	
NUDT1	C4A	FAM110C	
PTTG1	MICAL2	WIPF3	
DLX6	FAM189A2	CHRM3	
CKS1B	HSD17B6	LPAR3	
NSD2	C5orf49	SOST	
IQGAP3	TLR3	JAKMIP3	
GTF2H3	KCNA3	MTSS1	
PCLAF	TMEM130	B4GALT4	
PATL1	CSF2RA	SCN9A	
FANCE	LRRC31	NDRG2	
FANCC	HPN	DPYSL3	
GFM1	PYROXD2	IGFBP2	
GTF3C5	SGCA	SLIT3	
DDX55	RGS5	EPHA4	
NABP2	WFDC10B	MPPED1	
TOMM40	SNTN	LMO4	
STMN1	GPRC5C	ROR2	
FBL	MS4A2	CCDC3	
KIF20B	CD207	KRT6C	
ABCF3	MUC3A	GRHL3	
RAD51C	OGN	NKD2	
TCP1	SLC43A3	SPRR3	
WASF1	CEACAM4	ATP12A	
SPDL1	MCEMP1	ALDH1A1	
CCT7	CTSS	NUDT10	
TMTC3	FUCA1	DLL1	
NOL11	DAAM2	NECTIN1	
HSPD1	GAS2L2	PRNP	
MPHOSPH9	SFTPA2	ST6GALNAC2	
SENP5	FCGBP	FHL1	
DHX36	XKRX	CYP2S1	
MTHFD2	COLEC12	EPB41L3	
PARP1	C1orf162	SLC22A23	
DNAJC2	PPP1R1B	GOLGA8A	
AFG3L2	VDR	GLYATL2	
TEX10	JCHAIN	WNT3A	
TRIM28	ZBTB16	CYP26A1	
PHGDH	DEPTOR	SPRR2A	
ANAPC1	RHEX	SHISA2	
RNF168	RPH3AL	SNAI2	

CEP85	LPL	SUSD4	
CS	CSF2	ZNF703	
ATP2B1	ZNF385B	HK2	
RANGAP1	FLRT3	IL7R	
TRMT6	SLC6A14	ZNF385A	
TARS	MEOX2	BEX2	
PUS7	EVI2A	STXBP6	
ADCY3	MISP3	BTBD11	
LIG3	CPB2	PTHLH	
KCMF1	FBLN5	FBN2	
TONSL	CAPN9	MLLT11	
LIN9	MFAP4	WNK2	
SIAH2	ERP27	H2AFY2	
CEP76	ERICH2	TNFRSF13C	
YARS2	S100A6	FOXE1	
RCCD1	TCIM	PDGFRA	
NONO	NCMAP	BNC1	
AMER1	ADAMTSL2	BEX4	
PSME3	RASGRF1	SEPTIN5	
TTL	PRR29	LY6G6C	
ACAT2	ABCA3	FAM171A1	
MAZ	NRGN	PLA2G3	
PAK2	BMP5	PLCH2	
STRAP	C6	COL7A1	
SPATS2	PODN	SLC1A3	
PSAT1	RAB37	RARB	
CMAS	C16orf54	CD109	
CHERP	CLIC2	DIRAS2	
NUP62	MS4A15	SPRR1A	
HMGCS1	HHLA2	ACKR3	
HAUS6	VSIG1	KRT13	
SAPCD2	NCF4	USH1G	
ESF1	ALOX5	E2F7	
FOXRED2	CCL23	NELL1	
VTA1	ITGA3	S1PR5	
UBXN7	FABP3	RAB3B	
CENPK	ZMAT1	CECR2	
HMCES	TNFAIP8L2	NPNT	
SUZ12	PCDH1	NID1	
BRD4	SEMA3B	PNCK	
PIGX	TMEM100	C10orf99	
TRMT61B	CPAMD8	SCUBE2	
FIGNL1	ADGRF1	WFDC5	
QTRT2	TENT5A	FAM171B	

HAUS5	CLIC6	GDA	
UBE2O	MROH6	FST	
NCBP2	RASSF7	AOAH	
SPAST	SLC16A7	HBEGF	
EIF2B5	LMO7	FRRS1	
C15orf41	DEPP1	CSTA	
OTX1	LMOD1	IRX6	
SUV39H2	SDC4	IQCA1	
NCL	HSH2D	CD9	
DNMT3B	IRX5	HMGCS1	
CMSS1	PRSS8	FGFBP2	
C5orf34	FNIP2	FAM83B	
SYNCRIP	GLB1L2	P3H2	
POFUT1	PLAAT4	NGFR	
ANP32B	FRZB	FBXO27	
SAP130	AQP5	SOCS2	
GTF3C3	COX4I2	NUDT11	
SBNO1	MYBPH	SLC9A2	
LYAR	RASEF	EGR1	
E2F6	ELN	MSI1	
POLE2	ATP13A4	ARHGAP23	
THOC3	DUSP6	TGM1	
PDSS1	RND1	TGM3	
KLHL42	C9orf135	SLC6A8	
QSOX2	CCR2	SLC47A1	
LRRC58	PID1	PRSS12	
KPNA4	PDK4	ARTN	
POC1A	C19orf33	SERPINE2	
TNPO2	EVI2B	ZNF711	
CDK16	ERN2	GPC1	
KPNA1	PRG4	SDC2	
PSMD3	CD164L2	RAB6B	
PAICS	CACNA1D	ADAM12	
ARL6IP6	CFTR	A2ML1	
CCDC58	PTPN22	SPRR2E	
CCNE1	GOLGA7B	DACT2	
SAAL1	UNC5CL	TRIM29	
ATP13A3	OTULINL	LAMA1	
NAA25	MILR1	PGLYRP3	
CDH24	PTPRU	ROBO1	
CDK4	ICA1	HLF	
FOXK2	RNASE6	HSPB3	
SUDS3	TM4SF4	TPPP	
KNOP1	GAL3ST1	SPRR1B	

HMGXB4	FOXJ1	NSG1	
TCOF1	PRDM16	GSTA4	
NELFCD	FUT3	ATP1B3	
CENPP	PPP1R14D	POMC	
POLD3	TFPI	NEFL	
RAN	PTGER2	CES1	
NCBP1	GPR34	FOXN1	
ZMYND19	SLC6A20	C12orf75	
SLC38A1	GPD1	MXRA5	
FGD1	MRC1	PLPPR1	
ZC3H8	BICDL2	HSPG2	
ALG3	TSPAN8	KCNJ15	
MFN1	CLDN3	ADRA2B	
TSR1	C4BPB	FOXD1	
ACAP2	ZNF626	LOXL4	
FAM136A	FAM216B	CDK6	
APEX2	NT5E	GJB6	
TPRKB	EDNRB	FAM83F	
ERAL1	FOLR2	SULF2	
POLD1	GPIHBP1	NPPC	
CCT5	HLA-DOA	ARNT2	
CARM1	ZMYND10	SPOCK1	
SLC5A6	PIP5KL1	FMO2	
MARK1	RSPH1	POU2AF1	
EIF4A3	IYD	KRT6A	
IPO9	KBTBD11	SPRR2D	
JARID2	PLN	IGF2BP2	
WNK2	PIP	AADAC	
CASP2	REEP6	EFNB1	
KDM1A	IRX3	FZD10	
NUP93	BATF	CDH26	
FIP1L1	CLTRN	COLCA2	
CHTF18	TNXB	FABP5	
SUPT16H	PLEKHB1	DSC2	
PIK3R4	SERPIND1	PGF	
MLF2	HOXD1	CEL	
URB2	COL8A1	KRT15	
SOGA1	TOX3	SV2A	
VRK2	ARSD	CCNA1	
NDUFAF4	ENPP3	COL6A3	
FYTTD1	DDIT4L	C6orf15	
DDX11	PHYHD1	GPR27	
PLAGL2	DES	THBD	
STARD7	SLC22A18AS	EN1	

NCBP2AS2	HHIP	PENK	
PUS1	BAAT	SLC4A11	
GANAB	HLA-DQA1	CAPNS2	
PDAP1	GJA5	EYA2	
CENPJ	TLE2	SLC9A3R1	
NEDD1	MMRN1	RND3	
ZGRF1	RTN4RL2	TNFRSF19	
KDM3A	GDF10	GAS1	
PTDSS1	NMNAT2	CHRD1	
SNRPD3	NPR1	GAST	
SF3B3	TGM2	HCAR2	
SOX2	CCL17	MFAP4	
RPF2	DAW1	MSC	
POLR2H	ECRG4	GABRA3	
SMARCB1	DTX4	RAPGEFL1	
HMMR	CADPS2	CALB2	
U2SURP	WFDC3	IRF6	
CLCN2	CLDN18	NTS	
LRPPRC	PLCH1	WDR72	
FAM111B	TRPC6	NDUFA4L2	
NOP58	LIPH	SPRR2G	
EXOSC3	SSC5D	TNFSF10	
ECE2	PTGDS	ADM	
MAP6D1	TMED6	SPON1	
LCLAT1	TBX4	SELENOP	
CSRP2	PODNL1	SCG2	
DONSON	FAM177B	ITGA2	
TOP3A	SPATA18	HOXD11	
RAD23A	VWA2	FAM83C	
SLC16A1	ADRA2A	NXPH4	
ATXN2L	COBL	DIO2	
TMEM189	C2	KCNG1	
UBAC1	C7orf57	TMEM40	
GAPDH	MMP15	HOXD13	
ACAD9	IGSF6	SPINK5	
DBR1	EFNA5	ALDH3A1	
SNRNP200	ITM2A	TINCR	
HDHD5	CCL13	HOXD10	
RBBP7	CSF3R	NRARP	
ELK1	OLFML3	KLRG2	
PES1	BAIAP3	CA12	
B3GNT5	MISP	CPA3	
ANKRD52	OLR1	PERP	
DHX34	CD300LF	KRT16	

CBX2	KCTD14	GSTM3	
XRCC3	CLEC10A	B4GALNT1	
PHF6	MS4A8	NTN1	
NAT10	TMC4	AMTN	
CRKL	KPNA7	WIF1	
MRPL3	FCMR	KRTDAP	
CTSV	NR0B2	CYP4F3	
CSTF2	LPIN2	TNC	
SNRPB	KDR	SBSN	
TIMM44	SPNS2	IGSF9	
DDX49	CLDN9	CX3CL1	
CCNT1	CST2	COL14A1	
SMC3	RASD1	RHCG	
CPSF4	NTN4	SERPINB5	
CNOT3	AZGP1	GRP	
LRRRC8D	FAM92B	FGFR3	
SAMD4B	CIITA	CHP2	
ABCC5	CADM1	IL36G	
MTERF3	C20orf85	SOHLH1	
HDAC1	MNDA	GJB5	
TPI1	CGN	KRT31	
PRPSAP1	CGNL1	IVL	
KRI1	DMBT1	LAMA3	
RAD21	PLEKHA6	ARHGEF4	
CCDC150	TNFSF15	KRT17	
ARTN	CAPS	CYP2C18	
UBXN2A	FCN1	FMO3	
TDP1	CAPN5	TPD52L1	
GAREM2	SLPI	LGR5	
TMEM237	COMP	IL1RN	
TWNK	TUBA4B	COL17A1	
NUDT15	ABI3BP	SLC16A1	
CEP97	FBXO2	CXCL14	
HCFC1	RAB27B	SERPINB2	
ZW10	GEM	POF1B	
CSNK2A1	GPR183	ANXA8	
RMI1	EPHX3	PI3	
TFAP4	CD69	DQX1	
PNO1	ERRFI1	PPP2R2C	
NUP188	AMIGO2	RBP1	
SMARCD2	VEGFD	MAGEA11	
CCNE2	FOS	XG	
DCUN1D1	MST1R	SIX2	
ALG10	MACROD2	KRT14	



LSM14A	ACKR1	PHGDH	
TCF3	CYP27A1	RNASE7	
ZNF131	PMEPA1	F13A1	
EHBP1	AOC1	IGFL1	
PPAT	MXRA8	NIPAL4	
MIEF1	SLAIN1	PPP1R14C	
BRIX1	HID1	TSPYL5	
ATP2C1	GALNT5	MMP10	
CCT4	ISM1	VTCN1	
HBS1L	TFPI2	CLDN1	
METTL8	MYO1G	FOSB	
NLE1	ADORA1	UPK1B	
DUS3L	BTC	CRCT1	
ODF2	DNAJC12	SFRP1	
MAGEF1	TYROBP	ULBP2	
C12orf56	TEKT1	CYP4F11	
ADAM17	ST6GALNAC1	SOX15	
TGIF2	HSPB6	COL12A1	
GGH	TSPAN12	UGT1A6	
DLG1	AGT	TMPRSS4	
GPR19	SLCO2A1	C7	
USP1	PLEKHS1	NOS2	
PARL	SFTPC	LGALS7	
PRAME	TCEA3	LGALS7B	
FANCL	MUC5B	SPRR2F	
AGO2	TNFRSF12A	SERPINB3	
NUP50	CRTAC1	GSTA1	
MDH1	ZNF117	SLC2A1	
DDX54	UCN3	MMP3	
ZNF318	PRELP	FGFBP1	
DLX5	IL33	AKR1B10	
HDGFL3	VASN	KRT75	
WIZ	SPON1	SERPINB7	
NEIL3	GDF15	FXD3	
TAF2	CCL22	LYPD3	
TMEM185B	MAB21L4	AKR1C1	
MAPK6	SH3BGRL2	S100A2	
FARSA	TMEM61	ADH1B	
CCDC137	MSR1	MMP12	
PDCD5	HGD	GPX2	
HPRT1	AGER	PRAME	
PAK1IP1	SLC40A1	SERPINB4	
TBPL1	TMEM119	LTF	
STIP1	MARCO	CALML5	

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NASP	TNFRSF17	TNS4	
ATP11B	BMP2	GPR87	
DOT1L	CDC42EP5	S100A7	
PRMT1	PTK6	AKR1C2	
ASAP1	PHACTR3	MAGEA4	
PRICKLE3	SCGB2A1	AKR1C3	
E2F8	C1orf189	SCGB1A1	
TGS1	RAP1GAP		
PFN2	CHRDL1		
IQCB1	CPA3		
BCL7A	LTK		
HAP1	BSPRY		
NRM	CAPN13		
ZC3HAV1L	C1orf194		
GNGT1	BRINP1		
HYLS1	HP		
TIMM8A	ATP2C2		
FBXO43	DPT		
CLPB	MT1E		
MDC1	ASPHD1		
CASP8AP2	PAEP		
ZNF74	ECHDC3		
DNMT3A	TMEM59L		
PEX5	METTL7B		
GSK3B	MORN5		
SMO	HBB		
KIF3C	GADD45G		
ABCC1	PPBP		
PELP1	ZNF486		
STC2	BMP3		
MSI1	PTPRN2		
MRGBP	LGSN		
PSMC4	CAMK2N1		
ALKBH2	AREG		
SLC2A1	PALM3		
PXYLP1	WDR38		
FAM222A	TNNC2		
ZNF777	PCP4		
SAFB	TSPAN1		
GTPBP3	BCAS1		
IPPK	LCN2		
TNPO3	ALPL		
UNC119	FMO2		
RPAP1	SYT12		

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ZNF343	GCNT3		
RNF26	VSIG4		
ASNS	SPAG6		
UBAP2	TRNP1		
FAM83F	PLAAT3		
ANKRD13B	C11orf86		
SMIM13	MMP7		
HOXD13	TPSB2		
PARP2	SCGB1A1		
ZNF146	ASPN		
FAM189B	ALPK3		
HSF2	FABP4		
PIK3CA	C9orf24		
NXPH4	CH25H		
IGSF9	RAMP1		
MICAL3	LDLRAD1		
FAM234B	FGG		
DDX10	HBA2		
LYPD6	B3GNT3		
SMG7	BPIFB1		
DIPK2A	MUC5AC		
MTMR1	ACHE		
PGAP1	CRLF1		
CKS2	TPPP3		
RPIA	LGALS4		
COLGALT1	RNF128		
CEP250	AMBP		
SLC6A8	FXD4		
RDM1	BPIFA2		
B4GALT6	LYZ		
BYSL	FAM83A		
TMEM38B	SFRP4		
AGBL5	CDA		
TFDP1	S100P		
PCYT1A	CP		
EPOP	BPIFA1		
ABCF1	CEACAM5		
YWHAG	EREG		
WDR4	PCP4L1		
SINHCAF	TFF3		
MLLT11	BHMT2		
LSM4	HLA-DQA2		
PPME1	KIT		
KLHL13	COL10A1		

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ANKRD27	CHIT1		
ATG4D	CCL19		
PPIF	MMP13		
POLD2	FGL1		
SLC7A1	TCN1		
KLC2	FGA		
POLR1A	TFF1		
ZNF507	CRABP2		
MED30	EEF1A2		
MRPS22			
PTPN11			
STK35			
FAM83B			
PHF8			
GCN1			
AP2M1			
AHCY			
GIT1			
CEP72			
GABRA3			
TAF1A			
POLE3			
MSL2			
OXGR1			
DNAJC19			
ACLY			
CHRM3			
LRP4			
FAM20B			
PITPNB			
DSP			
NRARP			
SMIM10L1			
CBFA2T2			
TRIM25			
B3GALNT2			
CORO1C			
C20orf27			
IGF2BP2			
CD3EAP			
CDV3			
PRRC2B			
LRRC1			
NCOA6			

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EMC1 SFXN1 ZNF280C ASAP2 DROSHA NDE1 RBM19 SLC3A2 KCTD1 PIGW CHAC2 QSER1 CACNA1B MRPL51 NSUN2 BOLA3 CSNK1G1 PDCD10 TMEM117 TEAD4 TCF20 APPL2 PDRG1 POM121 RPL39L PREP RAVER1 USP31 C19orf47 ALMS1 RECQL IGSF11 WDR72 NFE2L1 METAP1 GCLC SMS FAM131C SLC7A5 GDAP1 RCOR2 DARS2 CENPQ LBR			
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TRIM59 IARS TEDC1 B4GALT4 GEMIN4 SEM1 HEATR1 HOXA1 TULP3 RBBP8 CAND1 PFKM CKAP4 SAMD1 FOXD1 ATP2A2 HSPA4L PCCB CCSAP TBL1XR1 YES1 DCUN1D5 ZNF488 PRKX TTLL12 CAMSAP1 SV2A ADAM23 POP7 HIC2 POM121C CEP19 DHCR7 YEATS4 ZNF695 CCDC85C FBXO27 BARD1 DHFR CHORDC1 SF3A2 PPT2 FAM210A TMEM14A			
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NHSL1 SH3BP1 ATR ATP1B3 LARP6 MARS2 CDK5R1 COL7A1 STAG1 MTCL1 NADK2 AEBP2 VPS8 CASTOR2 LRR1 TIMMDC1 HSPE1 ARID3B PHF5A BCL2L12 FOXO1 EIF4EBP1 PCDH19 CCT6A DPF1 KCTD3 PIR RCN2 TOMM5 SIM2 ELOVL4 TMEM44 TENT4A MPP2 LSM14B DMRT2 DTYMK PKP4 NRCAM PRMT5 LRP8 KRT74 FGF12 OTUD6B			
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ATP23 FAM169A AP3M2 PHLPP1 ZNF385A YBX1 DLG5 KIF21A PLD1 COMMD2 NAB1 WDR18 USP28 C19orf54 SOX21 DYNC111 ZBTB5 REXO5 HSP90AA1 CEP192 RNF126 HOXD11 SLC25A33 ACYP1 ICK GABRQ MEST LIPT2 MELTF GPR63 NTRK2 DRG1 CNTNAP2 C3orf67 LRP12 APOBEC3B SLCO1A2 B4GALNT1 NKAIN2 YDJC DHRS13 PHB2 DDIT3 ANKRD18B			
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WDR76 APOO GNA13 MTHFD1L PNCK CPOX ADAMTS20 CSNK1G2 SERPINB5 ECSIT CLTCL1 SNRPG TFDP2 RFX7 VANGL2 TRMT10C NIPSNAP1 ASIC1 RAB3B GLTP NECTIN1 SKA2 CDCA7 KIF7 TMEM41A TWF1 LRFN1 PAK1 HOXA10 CLUH FAM162A E2F3 CLASP1 GOLIM4 ADSL SARS2 MBD3 BOP1 S1PR5 DSC3 SUGP2 M6PR MICALL1 KEAP1			
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DCAKD PDCD11 DUSP14 PGM2 B4GALNT4 BICD2 MYBBP1A ZNF770 ERF MIB1 NSD3 CCT2 SRSF12 MTA1 GNL3L HOXC8 HK2 KCNG1 NT5DC3 MYNN TAF4B EIF5A2 H1FX ADAM11 GPSM2 STOML2 PAK4 AMMECR1 TRIM45 MAFG FAM83G HRAS ZIC5 ZNF711 STRBP URI1 PERP NMD3 DTNB REEP4 ABRACL ICE1 FOXD3 GPR161			
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SLC6A15 GRHL2 SLC35G1 CHST14 DLX1 ZBTB12 FRRS1 SHOX2 LHX2 GNB1L NR2C2AP RNF7 TMEM132A RPP40 PM20D2 MORC4 PRR14L PROSER3 BMP7 PDK1 DSG3 DLK2 PRELID3A PTMS FBN2 ZKSCAN1 PLEKHG6 EMILIN3 DDX21 SLC9A3R1 TRIM16L CDCA7L RYK USH1G OTULIN TP63 FAM161A EHHADH LDLRAD3 DMRT3 TMEM161A CCDC51 NMNAT3 POLR2A			
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MRPL4 CABLES2 TMLHE ZNF598 RHBDD3 NDRG4 PAX6 KIAA1549 FBXL19 JUP SLC39A6 IGF2BP1 BDH1 SYT14 ADM DSG2 CALML3 SEMA3F TFAP2A FSD1 EPHA7 HS6ST1 CRYBB3 FAM117B PCYT1B ERMP1 NKAIN1 ULK1 ISL2 PARD3 FBXL14 PRRC2A PRDM13 ZIC2 ADD2 ZNF703 ITGA6 BCL11A KMT2B CELSR2 CERS6 GPC2 TUFT1 HSPH1			
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LLGL1 TMEM106C ARNTL2 KHDC1 CABYR HIST1H2BH SQLE ADA CLDND1 FAM131A SLC1A5 TRPV4 WASF2 PNN VDAC3 RAG1 CORO6 STK38L SOX12 RAPGEFL1 HECA DAPL1 SLC25A36 COCH PTHLH MAP3K4 EIF4A2 PRKCI KRT5 RIMS2 FZD6 CDK6 BOLA2- SMG1P6 TCTEX1D2 SREBF2 MCCC1 CNIH2 EFS HAUS1 EXOC6B SOWAHC ACOT7 FBXO41			
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TRIM16 P2RY1 RHEBL1 NUDT11 MZT1 KREMEN2 ADRA2B MRAP2 PGD C1QBP CASK GABRR1 JAG1 PARD6G NPM3 PPP2R3B COL4A6 H2AFY2 EDARADD C21orf58 HOXA13 KLRG2 KCTD15 WEE1 ATN1 DLL1 MKRN3 NDUFB5 PGAM1 HLTF PSPH USP46 ATP6V1E2 RRS1 NTS HOXC6 GBP6 TMEM158 CHCHD6 TESK2 PHLDB3 ELF4 ZNF280A ABHD3			
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ZFYVE9 NFE2L2 ULBP1 RAET1L YBX3 ACP7 HPDL MAP7D3 SOX15 LRFN4 MYB HOXD10 RNF217 ARHGEF5 BTBD11 ISM2 PTPRS DSC2 RPP25 MRPS12 CNNM1 NCR3LG1 DUSP9 MAPK12 HEY1 TRRAP MAPKBP1 HSPA1B PRDM11 PLEKHG3 RELL2 CLEC2L ERVMER34-1 UCHL1 SIX2 HOXA11 ACVR1C RAVER2 FSCN1 NKX2-5 PFKFB4 HMGA2 NUMBL RARG			
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PRTFDC1 ZNF724 TBL1X PPFIA3 LRATD1 GRHL3 TMEM17 TCF15 STK26 PDK3 FOXL2 NXPE3 FAT2 PTGFRN SOCS7 SERTAD2 SCARB1 TPD52L1 GAST MARCKS STON2 CYC1 HILPDA CYB5R2 TRIM29 IRF6 LMO4 PKP1 HTR2C DQX1 CLSTN1 TNK2 PKP2 VSNL1 FRRS1L GDF11 NCK1 NT5M PTRZ1 TMEM246 SLC38A2 FZD10 BNC1 PLXNA1			
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ALDOC ARHGEF4 DST FAM43A IL22RA1 ADH7 PSIP1 RIPPLY3 ME1 A4GALT FST TINCR SEPTIN5 POMC NPPC TMEM97 KRT6A COLEC11 CYP4F3 DNAJB1 COL4A5 RASSF9 POPDC3 TRIB3 NCS1 PITX1 FJX1 KRT13 FOXK1 UCN2 TMTC1 CEL ATRN CHRN4 FOLH1 POMK XCL1 PRKG2 PTPRF SYT1 MYC IGF1R SLC4A11 DDR1			
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C21orf91 SLC2A12 WDR54 ALX1 CERS3 SLC9A2 ZNF280B LYPD6B AP3B2 DGKA FADS2 OXCT1 BID SLC5A12 KRT15 SMOX CSTA TSPAN33 GJB7 FAM171B COLGALT2 FRAS1 WIPF3 NETO2 SORD PHLDB2 G6PD UGT1A6 TSKU PAX9 TMEM40 GJB5 CHST7 FAM181B BEX3 DZIP1 STAR CIB2 ETNK2 SNAI2 LAMA1 CDC25B SH2D5 MAGEA11			
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SLC51A UAP1L1 SEMA6A KLHL24 RND3 PTH2R SLC12A8 GCLM PAK5 GJA3 ACKR3 CHODL ATF5 CNTN1 KIAA1671 GPR156 FZD7 PPFIA4 EEDP1 TPRG1 STOX2 SRXN1 SYNGR1 PPP2R2C FAM83C FOXN1 RNF165 UGT1A7 GDA DGKG INHBE NUP210 MYCL CLGN SCD PRMT6 LIMK2 RGMA BAG4 GNG4 CDK5RAP2 CACNA2D3 PPP1R3G LYPD3			
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RND2 GPC1 PLEKHG4 HOXB13 NDUFA4L2 EYA2 PLEKHG5 DCAF12L2 ELOVL6 NEURL1 SERPINB13 KRT6B SEMA6D PRIMA1 KRT31 FRMD6 NECAB2 FOXL2NB DENND2C C12orf75 ELOVL2 MID1 INA AK4 CHRNA5 CD9 TP73 CD109 PNPLA3 KRT17 OGDHL ADGRL3 KLHL5 RBM38 MCOLN3 TMPRSS11F GPRC5D RAP2B C1QL1 UPK1B SHROOM2 ANKRD2 ALOX12 SPHK1			
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GNAZ CLCA2 BICDL1 CHAC1 FADS1 SIX4 PRDX1 P3H4 PMAIP1 VAX2 IGSF3 CDHR1 SNX31 MAP1B LTB4R HIST1H3B HOXA9 NRN1 CKMT1B SLC20A2 ALDH3B2 RAB6B MPPED1 JAG2 ALG1L ARHGEF25 PHF24 CACNA2D1 KLC3 FGFBP1 HIST1H2BJ RHCG GSTA4 TBX1 KIAA1549L B3GALNT1 NOTCH1 CCL26 HOXB7 TRO GPRC5B DNAJB4 TMSB15A GJC1			
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BIK F12 MAMSTR KCNK2 HR LPAR3 LAMA5 PLEKHH1 SLC1A4 TMPRSS11A CENPV CBX6 SERPINE2 IGFBP2 SOHLH1 SDK1 ABCB6 SLC39A14 A2ML1 TDRD5 ST6GALNAC2 LEF1 SLC7A11 NEO1 AJUBA CYP26A1 FERMT1 TBX18 DNM1 HOXC9 TENM2 JAKMIP3 HOXD9 SPTBN2 CSAG3 MAGEA4 LHX5 AKR1B10 ASCL2 MMP12 ARHGAP33 ZP3 PPM1L FBXO17			
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NOTCH3 KRT16 CAMK2N2 FGFR2 HIST1H2AG MIF KLF4 DPYSL4 TXNRD1 TMEM171 NRG1 SNCA MAGEA3 ULBP3 EPHB3 MAGEA6 ABCA13 TUBB4A POU6F2 PKP3 KRT33A WNT3A NELL2 KIF1A EN1 GPX2 RTN4R CYP4F11 DMRTA2 TMEM79 SPRR2A KLF5 HIST1H2BO IL23A GPRIN1 UGT8 GAL ADGRB2 EPN3 ODC1 PLA2R1 XG EDDM13 KRT77			
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PCSK9 LTB4R2 NAV1 CLDN20 TNS4 TUSC3 LY6G6C MERTK CKMT1A SPRR1A MB21D2 ZIC1 GRHL1 C16orf74 NOS2 ANXA8 SDK2 ARHGEF26 RAC3 NTN1 CYP2S1 ADGRL1 MATN2 STYK1 ULBP2 GAP43 FETUB WNT2B SGK1 YJEFN3 ARHGEF19 MLF1 SERPINB2 TXN KRT6C GPNMB ARL4D CAPNS2 TRIM7 CALB1 BCL2L10 ARHGAP23 SOST CADM4			
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IRX4 AMOTL1 HOXA3 EPHB1 MAPK8IP2 RPL22L1 CSAG2 TUB DIRAS2 HOXC13 RIPPLY2 CIART GJB3 FAM171A2 RPRM GLI2 C10orf99 SIPA1L2 SERPINB12 PLAAT1 KRT14 HOXD8 GPR50 EPHA1 GALNT13 GJB6 PI3 PLOD2 ITGB8 COLCA2 MDGA1 GRIN2D ALDH1A1 HCAR3 GSTM3 GPC3 PLA2G3 PTGR1 GSTM4 MCC DSG1 STEAP1B EFNB1 TFAP2C			
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JAKMIP2 KCNJ2 CITED4 VWDE BCL2 SPRR3 SLCO3A1 SCD5 FOSL1 SOSTDC1 GSR WNT5A SLC7A8 PLAC1 SEMA3D C6orf15 EPHB6 CYP2W1 SIX3 OSR2 PLCB4 TUBB2B NUDT10 TUBB6 FGFBP2 TMPRSS11D PLCXD2 C12orf54 MAGEA1 KRT19 ROBO1 SPOCK1 HOXB9 CLDN1 RUNX3 SEPTIN3 HIST1H2AE ALDH3A1 PADI3 RHOV HCAR2 AKR1C2 GJB4 NDRG1			
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GPR87 QRFPR SPRR2E RBP1 SFN BCL11B STC1 NAP1L2 CALML5 UST IFI16 PGF LRRC4 NEFL JPH1 LGALS7 LGALS7B CBLC BEX2 FAM171A1 GSTM2 PGBD5 MEX3A MT1X PANX2 RPTN MN1 MAGEB2 SLC4A3 HSPB1 POF1B CCDC190 TGM1 KRT78 SULT4A1 SLC39A2 OVOL1 YBX2 CDKN2A NPBWR1 GJA1 BEX1 GHR CSAG1			
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AKR1C1 F2RL2 DLL3 COL9A3 ANXA8L1 S100A2 CNFN MAGEA10 TNFRSF18 KRT75 FOXI3 TGM3 LAMA3 OSGIN1 CGREF1 WFDC5 NGFR FABP5 HES2 DKK1 GLYATL2 GPR27 HOXB8 FAM110C HOXC10 TSPAN18 CA12 NPTXR IGFBP5 CRYBG2 NR0B1 CBR3 CCNA1 FHOD3 SBSN SPRR1B MAGEA12 IL1R2 SPRR2G SPRR2D BARX1 IL20RB TWIST1 HIST1H2BG			
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PGLYRP3 PTN SULF2 EGLN3 ADAM12 CHST2 SERPINB3 TP53AIP1 KRTDAP CRABP1 CHP2 PLCH2 ATP12A C1QTNF12 LGR5 NSG1 PRSS21 COL17A1 WNT11 SESN3 SERPINB7 ITGB4 GABRE TSPYL5 FXD3 SPTSSB LY6K DACT2 HIST3H2A SFRP1 AMTN FGFR3 MMP10 CALB2 ZBTB7C PRR15 AKR1B15 SPRR2F RNASE7 HAS3 IGFL1 GSDMC ABCC2 AKR1C3			
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GJB2 GSTA1 IL36RN IL1RN SERPINB4 VTCN1 CDH3 CHGB CLCA4 TMPRSS11E IL1A PEG10 S100A7 TNNT1 CA9 DDX3Y IL36G KLK10 CES1 RPS4Y1 S100A8			
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