

Supplementary Table 1. Genes extracted from the analysis of the microarray related to the Colon carcinoma

ADGRG7	PTPRB	MYH2	CPA3	GABRA5	MIR8071-2	MIR8071-1	IGHV4-31
IGHM	IGHG2	IGHG1	CLIC3	OLR1	HAPLN1	HAS3	ADGRD1
FGF9	CDH1	SHISA3	PLN	PKP2	CHN2	ANXA1	LOC100653049
KRT34	CRISPLD1	LYZ	TENM2	GSTT1	ITGB8	PLA2G5	FAM84B
C8orf4	CHL1	DUXAP10	LOC100507472	PCSK6	FAM19A5	SGCG	LINC01296
EPPK1	B3GALT2	STMN2	ARHGAP20	HOXC6	CD24	PPP4R4	EPB41L3
CD200	COMP	SGCD	FNDC1	LOC100506718	FLRT2	ST6GALNAC5	SDPR
CHRD1	ZFHx4-AS1	TMTC2	IL20RB	DHRS3	LINGO2	SCN4B	SLC2A5
GALNT12	ITGA9	LOC101926951	PCDH20	RGS7	CYP39A1	TM4SF20	JCHAIN
MIR15A	DLEU2L	DLEU2	SYT15	GSAP	BDNF-AS	VIM	LOC101060835
LOC100996809	HLA-DRB5	HLA-DRB4	HLA-DRB1	HLA-DQB1	RASAL2	PSG5	LINC01133
MIR548F5	MAB21L1	AKAP9	ANXA3	PSG4	KCND3	AOC3	EGF
EN1	IGLC1	ALDH1A3	USP9X	SLC16A14	CLIC6	ALDH1A1	GRAMD3
MXK	ROR2	EFEMP1	SPINK6	EGR2	CEBPD	IL18	LMCD1
FOS	LMO3	MIR99AHG	SNORD114-3	HLA-DRB3	CYAT1	IGLV1-44	VAMP8
NBEA	IFIT1	NAV3	PID1	KRT33A	HOXD8	SERPINB7	KCNK2
ASPA	RSPO3	MAP3K8	EPHA4	MN1	GALNT13	HLA-DRA	CSF2RB
CNTN3	NR3C1	USP53	MYH11	HOXC9	DAB1	NRTN	ITGBL1
CMAHP	EBF3	ZNF595	LOC100506797	SLC35F5	C1QTNF3	SMOC2	LOC401021
HOXD4	HOXD3	SVEP1	PRSS12	ZFHx4	LOC100653057	CES1	TUBB2B
ID4	KRT13	GPR27	GCSAML-AS1	BST1	LYPD6	PSG7	FGFR2
KIF26B	SERPING1	MGC24103	SAMSN1	MYLK	BHMT2	TSPAN7	GUCY1B3
USP9Y	PLCE1	TPD52L1	MFAP5	WNT2	KCND2	AFF3	SPIDR
ALDH5A1	SLC27A2	TMEM255A	GNA14	EIF2AK4	MORF4L2	LINC00540	LMO7
CDC14B	HSD17B6	EID3	SCN8A	LOC100505534	MIR675	H19	ELOVL2
ARMC9	TMEFF2	IGFBP3	LOC101927841	PSG6	RAB2A	CCDC113	PSPH
SPATA17	HOTAIR	ARNT2	RDH10	COL12A1	PDE5A	LOC728730	LOC101927490
SLIT3	JAZF1	LINC01111	SPARCL1	LMO4	ARHGAP28	DCN	MACROD2
DCLK1	TMEM178B	MAOA	SERPINB9	RASGRP1	CECR1	SLC16A9	C2orf88

CPVL	IL6	LOC100507487	LOC100129455	GPAT2	DUXAP8	TMEM52B	RIMKLB
IGLL3P	TAF9B	TRIM59	IFT80	LINC00597	PCSK5	CACNB4	ITGB2
FBLN2	SYNPO2	ALPK2	PTPRD	SYBU	KIF20A	DAB2	OXTR
LOC202025	ACKR3	STXBP6	TMEM154	TM6SF1	RHOBTB3	SEL1L2	GPR37
MGARP	PGM5	BANK1	ANKRD37	CNTNAP3B	CNTNAP3P2	CNTNAP3	RPL37A
ARL17B	ARL17A	LOC102724689	IFIT2	HTR7P1	HTR7	ODF2L	LINC00965
SNX25	DNAJC7	ZFY	TPSAB1	ERAP1	HRASLS	TTC39A	PTGIS
HS3ST3A1	FLI1	ARHGAP26	TXLNGY	TPTEP1	APOBEC3B	RASGEF1A	NF1P9
NF1	TMEM220	PDE10A	LOC100509457	HLA-DQA1	GPRC5B	SLC22A15	SYK
PTPN20	SEMA3A	RAP2A	FRMD3	TMEM56	EXPH5	MSX1	ATP8B4
DPP4	ANKRD6	PKDCC	PMS2P2	LOC105374809	TENM3	NPPB	LOC286272
IRX3	AGR2	SLC12A8	LOC441454	SEC61B	PRR5	MX1	MBP
LOC100506699	CTSH	RARRES3	LOC100653149	FHOD3	LOC101930241	ARHGEF4	GPRC5A
GPR6	TCAIM	TNIK	LOC100506691	RASSF2	KIAA1462	P2RX5	LOC102724927
CARMN	MIR145	BMPER	TLDC1	NUP58	KIR2DS2	PTPN12	FAM83D
DUSP2	LINC00960	LRRC2	LINC01503	ZNF117	CNTN4	CDC42EP5	RC3H2
LINC00842	LOC101060424	NFYB	QSOX1	TPSB2	OLFM1	ASPHD2	ICAM1
CELF4	LACC1	GPM6B	GALNT2	RALGPS2	KIAA0754	LOC101927604	PDE11A
FLRT3	AMER3	ZNF654	MED4	LCN12	KCNT2	MAGI1	UROD
KLF5	WDR72	VIT	LOC101927137	ATP1A3	STAU2	MOCOS	ADCY7
ACSL5	NRK	MAMDC2	EPN3	GLRX	FOSB	GPR1	CR1L
CR1	UPK1A	BBX	CCDC144NL-AS1	LOC100190986	S100A10	TLCD2	UBE3B
CDH20	LOC100287387	C10orf54	PDZRN3-AS1	TIAM1	PARVA	LOC90768	IFI27
ARID5B	NSUN6	LOC101927098	ZCCHC4	EXTL1	FAT4	MAL	GTF2H2B
LOC102725451	LOC730102	NRCAM	SEC24D	KCNK12	GFRA1	ADCY2	KCTD16
RAB11FIP1	TRIM14	TEK	ABAT	COPB1	NIPSNAP3B	FNBP4	BST2
IRAK3	TSPAN18	COL4A3	OR2A9P	OR2A20P	F13A1	TDRD1	GDAP1
MIRLET7D	PIWIL2	DEPTOR	ZNF789	KIT	UGGT2	KDM5D	ENPP2
GPCPD1	SCN9A	PPP1R9A	FAM124A	PTPN6	KANSL1	PCDH9	LOC374443
FBLN5	LOC101928725	CLHC1	ZNF596	CCDC155	CD44	FMO3	PPP1R3F
NSUN7	EXT1	CLEC11A	SRI	SH3D19	VAPA	CCDC146	GAS1

MMP12	TSPOAP1-AS1	CDH4	NR2F1-AS1	NPSR1-AS1	SMAD9	FBN2	ASAP3
CDC42EP4	LAMP3	LINC00856	SLC38A11	SLC38A9	TP53BP1	SORBS1	GABARAPL1
LOC100288911	C8orf34	FGL2	ITGA4	CEL	VMP1	WHAMMP2	WHAMMP3
ACSBG1	ADRA2C	HHLA2	KRT33B	AHSA2	CYB5R2	PCDH7	LINC00917
STXBP2	PSAT1	SP2	SVIP	PHTF2	CDKN2B	SBF2-AS1	THBS2
LMOD1	PPP2R2C	MAL2	XAF1	BCL2L13	TAGLN3	KCTD20	LOC284513
MAP6	HIPK1	PARM1	COBL	DDAH1	LOC100049716	DSC2	ADAMTS6
IGK	IGKC	NINJ2	CDKN2A-AS1	NADK2	COX4I1	TRAV8-3	SPINT2
FOXD3	FRMPD4	SIRPA	SHROOM3	POSTN	DACT1	METTL10	GPX2
IL36B	TET1	TRAF5	CD55	MEG9	ANTXR2	RPA4	ARMC4
KLF4	COX10-AS1	LOC100506974	C12orf56	LACTB	RTN4	KIF13A	DFNA5
ZFAND6	NUCKS1	SUPT20H	ZFPM2	FOXP2	KDM7A	BTK	CDH10
LOC101929777	WNT3	CA8	REV3L	ZNF71	NRXN3	LINC00858	SOX10
LINC01350	MEDAG	LOC101928634	SNORA67	CD68	MAN1A2	APOD	PM20D1
CABLES1	NBAS	MRS2	ACVRL1	APBB1IP	GUCA1B	NHSL1	FAM71F1
CNTN1	LINC01191	LOC285043	CHD9	SMIM11A	RUFY3	RGS3	AMBRA1
RAD18	PALM	LIMCH1	C2orf74	KIAA1841	TRH	WASF3	TPM2
SLC7A7	ZNF667-AS1	DDIT4	OVOL2	POU6F2	ANKRD28	DCLK2	WIPF3
REN	RFXAP	SCARB2	CYP3A5	RPL39L	MFNG	PRR15	LOC728061
SFN	TMC5	PDCD5	NLGN4Y	ROR1	STPG1	ADPRM	PPP4R1L
LOC100653137	CDH23	PSG1	B4GALNT1	C2orf61	THUMPD3-AS1	ACTC1	ZNF100
ZNF718	LOC101929072	LOC285835	PPP1R12B	ZNF706	GPC4	MBOAT2	ELANE
LOC283887	GTF2A2	PRSS23	HOXC4	MYO7B	FLJ37035	DIO2	RPL7
C10orf113	CD8B	EIF1AY	VIPR2	MELTF	ZDHHC2	SLC18A2	FAM205A
DIDO1	RABGEF1	HRASLS5	RRN3P1	FBXO6	CSPG5	MPZL3	GSN
COL16A1	C4BPB	LHFPL4	ABL2	KIAA1107	CAMSAP1	CLEC7A	ST7-AS1
ARHGAP31	PLBD1	GALNT14	TSPAN8	LOC101930303	LOC101930301	TRIM16L	DMRTA1
GPM6A	TMEM39A	SPECC1	MYOM2	RCHY1	TAP2	LINC01140	IRF6
LOC102725108	LOC101928910	FAM66D	FAM66B	FAM66C	FAM221B	TAF4B	THCAT158
SIK1	ZNF608	SLC16A5	MED20	ETV6	SH2D4B	LAMA3	KIAA1324L
SYNPR-AS1	HEXA	EFCAB2	NUAK1	VPS13C	SULF1	WNK4	TOLLIP-AS1
ENC1	LOC105370941	LOC284561	TRIP12	LOC285593	TRBV16	EFCAB13	LOC541472

ADGRF1	ACVR2A	KLHL13	HLA-DMB	HNMT	OSR2	LOC727916	CTH
SENP6	TTY15	TTY7B	TTY7	SHTN1	KIAA0368	GLS	ZFP1
ZEB1-AS1	NDOR1	NTM	TRIM23	LIMS2	ASCC3	DMXL1	ITSN1
SEC14L1P1	LOC102725051	LOC102723891	ANKRD20A4	ANKRD20A2	ANKRD20A3	ANKRD20A5P	ANKRD20A11P
ANKRD20A9P	ANKRD20A1	SRSF6	GCH1	SLC22A4	GPR19	LOC101928728	SBF2
IL18BP	KRTAP1-5	PPP4R3B	FAM224A	FAM224B	MSC-AS1	CFH	IL1RAP
RPS6KA6	TTC37	CRABP2	C10orf11	LINC00672	FAM149A	SVIL-AS1	PTCHD3P1
BMP6	GNAS-AS1	TNNT2	MURC	FSBP	RAD54B	YLPM1	SLC16A4
FAM104A	LOC286238	SH3RF2	SORD	LRRC4C	HNRNPU	ITGB1	PRPF40A
PODN	LOC285812	FAM65B	ACADSB	GTF2H1	FLJ37453	PAWR	GLIPR2
FHIT	PTPRG	CH17-360D5.1	NPY4R	KRT18	NOS3	DES	PAK1
TP53I3	SEBOX	VTN	RALGPS1	LOC283075	MATR3	FBXL22	TRIM71
APOBEC3F	APOBEC3G	LOC101930075	LOC101930013	NPIPA8	NPIPA7	NPIPA5	NPIPA2
NPIPA3	PKD1P1	NPIPA1	PKD1	TRIB3	RCBTB2	KCTD13	SMU1
AMPH	TRIM61	NAV2	DHFR	LACTB2	MIR181A2HG	LOC102725438	AKNA
CKB	SNX30	WWC2	CLDN22	LOXL4	AZIN1	USP27X-AS1	GALNT10
EYA2	FAM84A	GYG2	PLD6	FLCN	KMT2D	INO80D	LOC101928433
IL12RB1	HUNK	A4GNT	TGFB2	CHST13	CLEC4A	METTL6	SLC38A10
SEL1L3	TMEM44-AS1	ADGRA2	HS6ST3	FNIP2	NR6A1	PAX1	MAPK13
NPTN-IT1	COCH	TMEM267	BEND7	TEKT4P2	MAFIP	LOC389834	LOC101929715
TMEM200C	ASS1	PUS7L	C3orf70	MCOLN3	SEC24B-AS1	SYNC	H2BFXP
BHLHE40	B3GAT2	PDCD6	CDA	LOC114224	LY75-CD302	CD302	LY75
POLR2J4	ATP2B2	SLC1A5	LINC00880	RHOJ	CHRM2	BBOF1	PPOX
NRL	MSI1	SPAG16	DUS4L	SCN4A	RPS27L	DCD	GRTP1
SORCS2	PSMB9	ANKRD29	PMP22	GREB1L	BTN2A2	SEZ6L	RD3
F8	TAMM41	RASEF	NLRP1	CAPRIN1	ACTG1P17	ITPR1	PCK2
GDPD5	MASP1	CTAG1A	CTAG1B	LOC101928291	TMCC1	VWA8	TUBE1
GATAD2A	SYS1-DBNDD2	SYS1	DBNDD2	FAR1	MIR155	MIR155HG	LOC101928779
KLF7	IL17RE	SNAPC5	HOTS	GGACT	PTK2B	DPY19L2P2	EIF4E2
EVA1C	LOC283788	CCDC58	GAD2	UNC5B	MBD4	PRPS1	HOXD10
SGSM1	KIR3DL2	KIR3DL1	AQP11	PADI4	STAG3L2	STAG3L3	STAG3L1

LOC101926921	AHNAK2	SRR	GABARAPL3	C6orf62	IGFBP7	ABTB2	INTU
FAM169A	MIPEPP3	SNHG18	LOC105379045	UNC5A	ARHGEF11	FMO2	DTNB
LYSMD1	TNFAIP8L2	CDK13	PEX13	GTF2H3	SPCS2	RAB33A	ENTPD5
MYCNOS	CUL5	TNRC6C	TNNC1	THAP7-AS1	BRAF	LOC101930583	GOLGA8B
GOLGA8A	NUDCD3	C1orf21	FLNA	MLLT6	FBN1	GAB3	SLC5A9
FAM81A	UTP15	TC2N	SBSPON	LOC100507073	ITGB2-AS1	HOXC10	LINC01116
CTSLP8	CYMP	ZNF334	FAM163A	FAM30A	FAM208B	CAPG	PAXIP1-AS1
SYT8	PMS2P5	PMS2P1	LOC101927851	CCDC136	WFDC21P	SALL3	ABCA5
IFT27	MON2	NR3C2	SGMS1	TIAM2	TDRP	CRAMP1	LOC100996681
IQCF3	GSDMB	C1orf198	LOC101927623	CNN1	KDM5A	LOC101930107	LOC730268
LOC285074	ANAPC1	ADAM20	RAP2C-AS1	ADAM10	C8orf88	ECI1	TNFAIP2
PARP9	TRIM29	IGLV6-57	CELA2B	UGT1A3	UGT1A1	UGT1A4	UGT1A9
UGT1A5	UGT1A6	UGT1A7	UGT1A8	UGT1A10	RPS16P5	ANPEP	IFIT3
CYP2A13	DENND2D	LOC101928222	C9orf116	NPNT	DNAH10	BTBD3	KCNJ5
ARHGAP32	GBP1	CD163	MICAL3	ZNF700	RBP2	RBMXL2	CDK15
SLC7A4	ARHGAP5	SLAMF7	FAH	ELL2	SUSD4	PTGER3	RBM6
HBQ1	NGF	TBC1D8	RPL31	MDH1B	CCDC80	STAU2-AS1	NLRP14
SFXN3	STRAP	SLC13A3	PML	ABHD4	SLC5A1	PDSS2	TXNRD2
RBPMS2	FRY	FBXO9	PPP1R2	KRT19	TAF1D	IMPA2	LYN
LOC105378749	KIAA0485	ATP11B	ELMO3	FLT3LG	UBE2Q2L	PTAR1	MRC1
GET4	MSRB2	JADE1	ARAF	MAN1C1	ICA1	CYP24A1	IL33
EVI2B	CP	SLITRK6	TMEM144	ANKRD34B	TAS2R20	TAS2R31	OCR1
UTY	TAS2R4	CYP1B1	PSG10P	PSG8	PSG11	PSG9	PSG3
PSG2	ELMO1	RPS4Y1	CCDC88A	TAS2R19	NFIB	GLDN	RRAGD
ZEB2	SLC47A1	GALNT15	GOLGA4	EEA1	SEMA6A	TRIP11	TAS2R50
PRO2012	ROBO2	ZNF721	ZNF518A	ZFP57	EPHA5	DDX3Y	EYA4
ENPP5	KRT7	VPS13A	SMC6	IL13RA2	GCC2	FAM20A	RB1CC1
ESF1	ATP5L2	TPR	SLC25A27	RAD50	DYNC2H1	EIF5B	IGSF10
AHI1	ZNF804A	ZNF91	RBM41	ATRX	CCDC144CP	CCDC144NL	CCDC144B
CCDC144A	CEP162	GOLGB1	ANGPTL1	ADAMTS19	PLXNC1	CDHR3	FMOD
PPIG	APC	SNORD114-2	METTL15	CPA4	PHF3	ANKRD36	ZNF208
ADGRG6	KIAA1551	ANKRD26	GPR52	ANP32A-IT1	TAS2R14	CCDC186	JPX
ANKRD36BP2	ANKRD36B	ZNF43	ABCA10	EYA1	KTN1	CYP1A1	DST

ZNF33A	MIR2682	MIR137HG	OCLM	FGF10	LINC00328	ZNF493	LOC100508226
SCUBE1	TRPC5	LRRN2	ANKRD36C	LAMA1	CEP290	PRKCH	ZNF702P
GREM2	TNAP	MIR222	ENPP4	LOC100131541	SEPP1	ADH1B	CEP135
LOC100287934	LOC100287497	OVCH1	TNFAIP8L3	RIF1	SLC19A3	SLC40A1	ARID4A
ABCA11P	ZNF141	ZNF83	TMEM236	ENOSF1	KIAA2026	LINC00268	C5orf42
ZFYVE16	ANKRD12	ADCY4	BAZ2B	SLC27A6	ADH1A	PP13439	CACNB2
PALMD	SLCO2A1	SASS6	OR4F29	OR4F21	OR4F16	OR4F3	FAM83B
BOD1L1	CLMN	TAS2R13	CFD	ETAA1	CEP295	ZFC3H1	EMILIN2
SMC2	PIBF1	LBP	NEMF	TSHZ2	SDK1	MANEA	KCNQ3
MIS18BP1	SLK	ADH1C	ROCK2	TAS2R3	NOV	KIAA0586	GOLGA8DP
GOLGA8CP	JMJD1C	ARID4B	TAS2R10	FAM106CP	FAM106A	HCG8	MBNL3
GRIA3	NKTR	TMEM132B	CMYA5	N4BP2	TSPAN13	CRIPAK	IL7
ABCA9	STRIP2	LOC100506990	DNM3	CNTLN	CENPC	ID1	TMOD1
FLJ36840	LOC100287290	FGF7	PIK3C2A	PTHLH	CCDC102B	PHOSPHO2-KLHL23	PHOSPHO2
KLHL23	ACTR3C	ADCY10P1	LOC401320	LOC100130876	JAM2	ROCK1	CEP350
SNORD113-3	PHKA1	CKMT2	ZNF292	PGBD5	CCL13	CHD1	CLEC2D
LOC93463	SMC3	NIPBL	ZNF605	LOC285696	ZNF429	PHIP	FGF7P3
FGF7P6	DIRC1	FAM134B	PNP	PDE3B	SREK1	LOC646358	DNAJB14
TFPI2	C1orf132	MIR29C	CREB5	CRYBG3	SMC5	SNAPC1	NPAT
THOC2	WDHD1	ZBTB41	HYDIN2	HYDIN	ESCO1	ASMTL-AS1	RANBP2
ZNF37A	CASP8AP2	TTC3	TSTD1	F11R	LOC100506242	NEK1	ADAMTS5
NOXRED1	NPIPB9	NPIPB5	NPIPB6	NPIPB3	ABCA6	ZNF675	ZNF254
BDP1	DZIP3	LOC100129112	MIRLET7A2	AHCTF1P1	AHCTF1	RARRES1	TMF1
FER	TAS2R5	IFT74	GABRA2	NSRP1	SULF2	SPON1	PPARGC1A
NOL8	FAM214A	DAAM1	TNFRSF14	BLID	MPHOSPH8	ZNF826P	TMEM38B
TRA2A	CELF2	ZNF37BP	PROK1	RBM14	FAM198B	CYP11A1	CEP126
MMP3	RASL11B	LOC100130713	ZNF638	COL14A1	HIST1H1C	SNCA	RSF1
BMS1P21	SRFBP1	LOC642947	SHPRH	MEG3	gen-01	HERC2P4	HERC2P2
HERC2P3	HERC2	LOC101060256	PCM1	KIAA1586	ZNF138	DIAPH2	FAM180A
DKFZP779L1853	SLC22A23	TNFRSF21	KCNQ5	ZNF708	ST8SIA1	GPR135	BNC1
CCDC66	ABCC2	VLDLR	ERCC6L2	EDNRB	IGF1	POLK	GABBR1

SH3YL1	ZNF260	U2SURP	CCDC14	MMP1	COBLL1	PPARG	ULK4
PUM3	NEK10	LOC100133106	RIPK3	XYLB	GUCY1A3	PDXDC2P	NPIPB4
SNORD13P2	SETDB2	KRIT1	AKR1C2	BRWD1	CEBPZ	SEC62	KIAA1109
PRKG1	N4BP2L2	SREK1IP1	HSD17B14	TFAP2A	PS1TP4	SLC12A2	ZSCAN31
KMT2E	AKR1C1	ZNF295-AS1	ZNF644	ANKAR	GABBR2	MMP16	RPGRIP1L
PNISR	RAB19	CCL11	CEP44	PRPF4B	LSAMP	LOC102724093	GOLGA6L10
GOLGA6L4	GOLGA6L17P	GOLGA6L9	GOLGA6L5P	PRPF39	DMTF1	LRRCC1	ZNF737
ZNF767P	NBEAL1	CTTNBP2	PTGDS	RTKN2	R3HCC1L	STUM	SLC16A7
FGF13	ITPR2	ITSN2	BEAN1	HERC2P9	PPFIA2	ADAMTS14	DTWD1
CDC42BPA	ZNF480	USP2	GPRASP1	ATP2B1	XPNPEP2	GOLGA6L3	EHMT1-IT1
FRRS1	UFL1	SNORD64	PWAR5	CCDC82	CPEB1	LOC400707	FLJ11710
EP400NL	ZC3H6	CCAR1	LINC01000	LINC00266-1	CCDC88C	SACS	ZNF678
ZNF844	OR1F1	TRABD2B	ZNRD1ASP	SPDL1	LINC00174	SLX4IP	PCID2
LCORL	SLC36A4	PHF14	HTRA4	KCNH1	MPHOSPH10	ANKRD16	ZC3H13
ZNF667	FLJ42393	GK3P	GK	LOC105377774	LOC102724562	MST1L	MST1P2
MST1	VGLL3	ZNF84	LINC00852	ZBTB20	TMEM176A	TTLL7	TBC1D3I
TBC1D3E	LOC101060389	TBC1D3L	TBC1D3K	TBC1D3G	TBC1D3H	TBC1D3	TBC1D3P2
TBC1D3C	TBC1D3B	TBC1D3F	PIN4	SYNE2	CEP112	TBC1D3P1-DHX40P1	ISL2
SLC39A8	ZNF280D	PIEZO2	NHS	SNORA1	KIAA0825	LINC01089	KIF27
MYSM1	PANK2	TSPAN12	LRRC6	USP16	NEFL	EFR3B	MYO6
RBBP6	CLIP1	NEXN	AOX1	PRPH2	RBM26	RBAK	SMARCA11
SNORD8	DNAJC2	SNORA70E	TRPM7	ZNF253	FASTKD1	MOSPD2	MMP10
PTBP2	B4GALT6	ADGRL4	FAM71F2	PCF11	WNK1	SNX13	CRLF1
BPTF	CCDC91	LOC100130691	CARD8	OR2Z1	LCA5	ZNF33B	CFLAR
ZNF780B	AVIL	CUTC	SLC1A7	ZNF503-AS2	LUC7L3	LOC100996724	PDE4DIP
CTNND2	ATR	C3orf35	SGIP1	EMC3-AS1	FAM196A	ZNF594	AKAP11
GOLGA8R	GOLGA80	GOLGA8M	GOLGA8K	GOLGA8T	GOLGA8J	GOLGA8S	GOLGA8N
CBR4	MAP3K4	GOLGA8IP	CENPJ	TTC12	PDK4	ZNF382	LYST
AGL	CIR1	TSSK1B	HACD1	TMEM266	HSPA4L	GUF1	CWC22
OGDHL	NOP58	NOTUM	TMEM176B	USP45	MIR211	SLC43A3	PRG2
ZNF195	LOC101927051	DOC2B	TMTC3	TMTC1	BMP2	C1orf27	LIG4

MAP7	PQLC2L	OFD1	ZNF354B	FCHO2	LMLN	FAM180B	NMRAL1P1
SLC6A12	LRCH2	SENP7	ZCCHC11	C19orf57	MSH5-SAPCD1	MSH5	ZNF571
ZNF485	CRACR2A	ARHGEF10	RARRES2	CNNM1	SMG1P3	SMG1P1	SMG1P5
SMG1	LRRN3	PPFIA4	SNORD109B	SNORD109A	LOC171391	RNPC3	LOC389765
CXCL6	LOC100134822	SEPT14	PCMTD2	TSPAN2	RALGAPA1	HIBCH	ZNF248
ZNF112	MYO1D	LYPLAL1	EEF1D	ASB16	ID3	PXN	KCNIP2
NOG	ZNF761	ZNF616	TMEM82	LOC654780	RHOA	INS-IGF2	INS
IGF2	USP51	LOC100131826	SERPINE2	CCNL2	ZNF559-ZNF177	ZNF177	YTHDC2
LOC101060386	SMG1P2	ERGIC2	PDE7B	CEP63	LRRFIP1	ZNF529	GPX3
C16orf89	SEMA3D	ALG13	SLC35A3	SLC6A15	TTC14	WDSUB1	SEMA6D
SMC4	IL12A	PTPRN	NPC1	OTUD6B	UVSSA	LDLRAD4	NKAIN1
ZNF845	ARL13B	GPAT2P2	ZDBF2	DGKI	LARP7	ZGRF1	STEAP2
MARC1	ECHDC1	PYROXD1	WEE1	FAM185A	ACSL4	LINC00893	LCE2B
ERICH1	MIR32	RNU105B	DEFB124	AGT	CARF	PIK3CA	PDE4D
ADAMTS9	C20orf166-AS1	QSER1	SLC13A4	SCAF11	SETX	KIRREL3	EFCAB7
BRCC3	PKN2	CYP7B1	PMS1	ZCCHC9	LCNL1	COL4A3BP	LRIF1
PTGR2	CCL7	GAGE12D	GAGE8	GAGE12F	GAGE2A	GAGE12H	GAGE12E
GAGE12B	GAGE12C	GAGE2D	GAGE12J	GAGE12G	GAGE13	GAGE2B	GAGE2E
GAGE6	GAGE5	GAGE4	GAGE2C	GAGE1	ZNF793	TMEM14EP	CELF6
PIGF	ADAT2	DYNC2LI1	SH2D5	LOC105375355	UPK3B	DNTTIP2	DENND5B
SLC17A5	KIF16B	LOC400464	MUC20	ZNF763	CCDC125	SLC35G2	USP8
SPICE1	AGA	DOK6	TRMT13	CLEC2B	ABHD3	SPTSSA	HSF4
SLTM	ALDH3A2	LINC00680-GUSBP4	LOC100133050	GUSBP9	GUSBP1	GUSBP3	GUSBP2
SMA5	SMA4	RPAP3	LINC00969	DHX36	CCDC69	PKD1P6-NPIPP1	PCMTD1
ZNF44	UBE2Q2P1	ATM	LOC202181	RECQL	ZNF326	HAND2	RGPD2
RGPD6	RGPD8	RGPD3	RGPD1	RGPD4	RGPD5	LCE3D	PPP2R3A
DAPK2	MKLN1	HAUS6	NSUN5P2	NSUN5P1	NSUN5	SPOCK1	FIGN
LCE1C	GGT6	LARP1B	PPWD1	DICER1	TDP2	PTGFR	ZNF816
DKK1	CCL8	FLJ41170	GPC6	ARHGAP24	ADAM12	POLR3G	GPATCH2
BMP2K	LOC100128035	PKD1L2	GABRE	MZT2B	MBNL2	CROT	LINC00311
MIPOL1	NRIP1	FHDC1	DOCK11	G2E3	KLHDC1	LPXN	IL16
EED	RBBP8	MUC12	ZNF610	DNHD1	NARS2	ZNF26	ECHDC2
UPF3B	DGKE	AASS	ZNF302	CEP295NL	DDX55	ID2	KRTAP5-10

OSBPL8	RNU6-501P	ATAD2B	TIGD2	SEC31B	DPEP1	FANCL	DDX46
GALNT1	LOC653080	GUSBP11	GUSB	KRTAP5-3	PLA2G4A	SSB	KRTAP6-2
STAG3L5P-PVRIG2P-PILRB	STAG3	BET1	OR10H5	PLXDC2	AGAP5	AGAP9	AGAP12P
AGAP6	AGAP11	AGAP4	MPHOSPH9	GOLGA8EP	NPM2	IGSF21	KRTAP1-1
KRTAP1-3	C1orf101	SLC19A2	CDK5RAP3	ABCE1	COPS2	ZNF470	CSF3
THUMPD2	USP47	ULK4P1	CHRFAM7A	GNB3	ALMS1	LOC642980	ZNF154
KIAA1456	CLCN5	ZNF816-ZNF321P	ZNF321P	PDE4B	ZHX1-C8orf76	ZHX1	LOC254896
TNFRSF10C	ZNF607	LOC100421561	FAM133CP	FAM133DP	FAM133B	RASSF8	ZNF107
ZNF570	DET1	ERO1B	ZNF471	ZNF780A	DNASE1	DSEL	RBM25
ZNF320	PHF20L1	RPAP2	PIIP5K2	FAM135A	TMEM37	CLIP4	CEP97
STXBP3	NIN	SHC3	MYO9A	TTC21B	MIR221	EPHB2	ZNF85
TMEM161B	CXCL12	SWT1	ABHD5	ARPC4-TTLL3	TTLL3	RFT1	SMIM10
MAP3K2	ZNF730	ZNF728	ZNF676	ZNF430	ZNF99	CPLX3	NQO2
TRNT1	LY86-AS1	PILRB	GJD4	ZNF92	PARD3B	CES4A	CD2AP
BMS1P4	BMS1P6	BMS1P5	BMS1	UPF2	SPATA5	LOC100133131	ZNF790
ERBIN	HSPH1	TBX18	GTF2F2	ZNF566	ZNF449	BCLAF1	CEMP1
LCE2A	BEST1	WNT2B	TAX1BP1	COLQ	DOPEY1	TBC1D8B	LINC00665
CD300LG	HECTD2	ZNF577	VLDLR-AS1	SST	FMN2	PTPN4	MRM1
KMT2C	ASAH2B	ASAH2	KIAA1683	ZNF268	KIF5B	RAB11FIP2	MBLAC2
C12orf4	ASH1L	HELZ	MAN2C1	RAI2	USP32P1	ZC3H8	FAM156B
FAM156A	ACAP2	STXBP4	VRK2	HOOK3	FAM65C	GABPA	BOLA2-SMG1P6
BOLA2	SLC7A5P2	TCEAL9	ZNF415	PAXBP1	LENG8	FAM92A1	SUZ12
ZNF600	DNAJC13	SAMD11	ZNF224	SEC61A2	ZNF800	SNCAIP	LOC102724238
LOC100126582	LOC403323	AGPAT4-IT1	SERINC2	LRRC37A2	LRRC37A3	LRRC37A	SMPDL3A
POMC	ITPR3	YY2	MBTPS2	SLC2A13	SLC22A1	SCAPER	C8G
MROH6	MIR194-2	WDR35	CDON	KRTAP10-10	RPL23AP32	ZNF146	FSTL3
TLK1	MICA	ANGPTL4	ZNF160	KIAA1644	GLMN	PMS2P9	PMS2P7
PMS2P6	DTX2P1-UPK3BP1-PMS2P11	LOC441259	PMS2P3	PMS2P4	SLC5A6	CTSL	B3GNTL1
ZNF550	SLC1A2	SLC4A7	FGF2	NEGR1	BEX4	MLLT10	GABRR2
POPDC3	CCNH	LOC100133331	LOC100132217	LOC100132062	LOC729737	LOC729218	LOC401357
LINC01061	LINC01002	LINC00999	LINC00265	LINC01347	INTS2	ORMDL1	CCDC84
ENO2	SOCS4	TUBGCP5	LMBRD2	MTR	PGRMC1	TMED5	MIA3
NAPB	ZNF606	ZNF655	CCDC40	LOC100506127	RUFY2	FAIM	DMKN

NPFF	TMEM217	SNAP25	GATA1	SLC35G1	TCF21	SNORA14 A	BIN3-IT1
CKAP2	TRIM2	STAG3L4	UBXN4	VPS54	MME	ANO9	ZNF277
LOC100133 315	ETNK1	CRYGN	SCLT1	AGMAT	SPDYE16	SPDYE2B	SPDYE6
SPDYE8P	SPDYE2	SPDYE3	SPDYE7P	SPDYE1	LOC10028 8160	KRTAP5-1	SEMA3C
ZNF69	LOC64551 3	SEPT7P2	SEPT7P9	CTRB2	CTRB1	SBSN	IRS2
MTX3	ADORA2A- AS1	CCDC51	C19orf71	C18orf65	FMNL2	GRB7	FRRS1L
PTGFRN	COMMD8	MPDZ	ACTL7B	ZNF432	USF3	KLK10	OXER1
MED13	KATNBL1P 6	KATNBL1	EHBP1	GPRC5C	APOOL	C1orf220	UBXN2B
PABPC5	DMXL2	SLC39A10	PMS2	SNX22	GOLGA8F	GOLGA8G	SLC51B
ZNF624	FAM25G	FAM25BP	FAM25C	FAM25A	SLC24A3	CXorf23	ACSS3
FLVCR2	CDRT1	FBXW10	H1F0	DHX29	IFT81	GAS2L3	PRKY
LOC101060 524	DRD5P2	DRD5	PDZD8	PEG10	KLHL28	CRYBA2	CAPS
SYNJ1	NEIL1	KREMEN1	LY6G6E	TPPP	FZD5	MDM1	GBAP1
ST20	RBMS1	KIAA1033	ZNF770	NHLRC2	MIR23A	ZNF814	GCFC2
ITGB3	ZNF354A	CST4	CEP78	LOC44108 1	CYP4V2	XRCC3	LCN1
CALML4	MFSD8	TGFBR3	SLCO4A1	DPYD	ZNF625- ZNF20	LOC10013 2147	MMP25
ZEB1	TGFBR1	SLC30A3	LRRC4B	CYP2S1	LCE3C	DMD	PRPF38B
SNORD94	KRTAP10- 1	PNN	IFT88	NABP1	ANKDD1A	LACE1	CASD1
ARGLU1	LOC64340 6	LINC00654	FBXO27	HOXB1	CXCL5	APOE	NKG7
NUCB2	SETD4	SLC52A1	LYRM2	ZC3H11A	KIZ	LEFTY1	PVRIG
SPNS3	ATP5S	LOC10272 3566	KRTAP10- 4	PROSER2	MIR147A	ARHGEF3	NKX2-5
LARP4	NME7	HS3ST1	DLGAP1- AS1	PDCD1	DOCK7	CACNA1C	ZMYM5
HOXA3	GDPD3	CAPRIN2	SLC6A10P B	SLC6A10P	SLC6A8	PPP2R1B	AASDH
LTN1	UNC13D	KLHL3	CEP120	CRHR1-IT1	D2HGDH	CRYGS	MIRLET7B HG
SLC25A34	FAM208A	LXN	ZNF417	MIR150	SLC9B2	CLOCK	ISOC1
PAN2	ARMCX5- GPRASP2	GPRASP2	PNPLA7	SNORD53	HNRNPA2 B1	ZNF506	SRSF11
KCNC4	ABCA1	CHRM3	HBM	C5orf45	CPXM1	IFT172	ANKRD24
CHIC1	H1FX-AS1	C17orf99	RCBTB1	EFNA5	TROVE2	N4BP3	SND1-IT1
SLC38A6	CPT2	PPAT	HSD17B1	VWCE	VPS50	AK4	LMX1A
HSD11B2	MIR423	ZNF135	LOC10013 4868	ZIC2	DYX1C1- CCPG1	CCPG1	DIS3
PLIN2	RNF186	CREG1	SNORD117	UBA6	KRTAP10- 8	LOC10013 1860	MGC1081 4
TMEM168	OSGIN2	ago-04	GPT	RSRC2	GXYLT1	PRRC2C	LINC00602

PCBD2	UBA5	TTC9	TRMT11	TRIM33	LOC162137	LUM	STC2
AKR1C3	MIR212	ZNF136	GALNT5	TXNRD3NB	TXNRD3	RNF13	IGLL1
ZNF720	TMEM56-RWDD3	RWDD3	ADORA1	MGST1	UHRF1BP1L	ZNF714	NFXL1
NFASC	TCERG1	LOC152048	PLA2G6	USO1	PIF1	LY6G5B	MOSPD1
C2orf69	CLCN7	MIB1	TAPT1-AS1	GRK5	MIR330	KIF3A	TCIRG1
ZMYM1	WDR31	IGFBP1	AMDHD2	FOXRED2	EIF4G3	SOS1	MICU3
MCM8	TBC1D2	C15orf59	FAM35DP	FAM35BP	FAM35A	LZTS3	FAM150A
FAM230B	ZNF514	PIAS2	NPHP3-ACAD11	NPHP3	HKR1	ABCB6	UBN2
BOLA2B	HOMER1	MATN4	TBC1D10C	FAM151B	ACSS1	CBWD6	CBWD3
CBWD5	CBWD2	CBWD1	SOS2	VSIG8	PLEKHH2	LAT	STOX2
ZWINT	CYP27A1	PHLDB2	VPS13B	CTBP2	NCEH1	DNAJC21	NFIA
IL6ST	WHRN	C3	PDPR	AKR1B1	SNORA75	ARMC1	OSBPL1A
USP34	RAPGEF6	LIM2	GALNT11	GPR173	CARD6	KRR1	MT3
KAT6B	DND1	DDHD1	CWC27	DENND1B	TMEM106B	LRRC58	RPS20P27
FTH1P18	ZNF57	APBB3	ZNF25	IGFALS	PLEKHM1P1	PLEKHM1	LRRC56
DNAJC24	PPP1R3C	GALR2	CD164L2	EXOC3L1	SESTD1	PBX3	PMEP1A
USP40	AQP2	TNFRSF8	KCNJ2	HSPBAP1	STK36	ZNF614	PLPP3
GAST	HELQ	DHFR2	MCOLN1	ADAMTSL4	MBTD1	GABPB2	SFTPD
ERVK13-1	ZNF331	PGBD3	ERCC6	GAS7	ZNF425	TBC1D4	USP32P2
TRIM24	TLR9	L3MBTL3	SLC2A12	MINA	ARL14EP	LOC284023	CPN2
FAM179A	IBTK	PDPK1	FUT6	MMP23A	MMP23B	GPD1L	TMEM67
NBN	INVS	LOC101929829	CYP2D6	TERF1	SMTNL2	MAMLD1	GPR75
ALS2CL	LOC100132731	KIAA1257	KRT16	SAMD5	APPL2	UTRN	SLC5A3
MRPL50	PNPLA8	DNM1P46	ZNF589	C9orf139	QTRT2	DIRAS1	TMEM218
NFAT5	ZNF28	CCDC25	GDAP2	LOC101929469	IRX2	OPA1	LPCAT3
ERV3-1	ZDHHC21	MIR193A	RELL2	LOC100507646	GLCCI1	MIR339	MAGI3
KATNAL1	HOGA1	RBMS3	KCNJ9	TRAPPC8	MDFIC	DCAF17	ZMYM2
USP37	SNX4	SNORA80B	WDR60	FANK1	FAM167B	GDF6	S100A13
ZNF648	FLJ42627	HIVEP1	ARID2	NUDT14	KCNK7	TLE2	FLJ31713
SH3BP5	KRTAP5-11	CORO6	RBM45	STAG1	RBAK-RBAKDN	RBAKDN	TMEM184C
HEATR5B	MAGI2	AIRE	STAM	ZBED5	TRPV1	THOC1	ARFRP1
APPL1	GNPDA1	SLC9A5	ZNF525	ZNF813	ZNF765	ZNF468	ZNF701
TNNI1	SKIV2L2	DZIP1	TTY14	AP4E1	PPP4R2	RGCC	TMEM70
LINGO4	CLK4						