

SUPPLEMENTARY TABLE

Supplementary Table 1. Genes in key modules.

Hub module	Genes								
Brown Module (GSE19804) (n=185)	CTHRC1	ARHGAP31	CST1	SUGCT	SORD	PCLAF	TNS1	TNPO1	
	PAICS	CDCA7	LAMP3	MDK	SFXN1	COMP	TFAP2A	SULF1	
	IGSF9	GJB2	P3H4	UHRF1	CST2	CTTN	MMP12	ATOH8	
	DNAH14	NMU	PGM2L1	SLC39A8	AQP4	GPX3	CDCA3	SLC46A2	
	PEBP4	MS4A15	SOX4	GREM1	KLF9	HSPB8	JPT1	ANP32E	
	TENM4	SRPX2	RUNX2	CST4	CPB2	SCG5	E2F8	CENPU	
	ACACB	VEPH1	SLC2A1	LRRC15	PCDH7	FIGNL1	MXRA5	MND1	
	THY1	ADAM12	ADGRD1	FAM199X	CCDC34	SHCBP1	MKI67	MFAP2	
	TRIM59	LRRK2	IQGAP3	FHL2	CILP2	DEPDC1	ABCA3	LAMP5	
	FAP	SLC2A5	PLAU	PCP4	PLPP4	SFTA1P	IGF2BP3	DIO2	
	KNL1	GPX8	FNDC1	CACNA2D2	DEPDC1B	PRR11	PRR11	VCAN	
	PLLP	CYP4B1	HOXB7	HLF	WISP1	HOXA10	HSD17B6	FUT9	
	GPR87	CILP	CEMIP	SUSD2	SCGB3A2	CDK1	BUB1	CCNB1	
	CCNB2	MAD2L1	CDC20	TOP2A	CCNA2	KIF11	BUB1B	DLGAP5	
	KIF2C	KIF20A	AURKA	NDC80	CENPF	NUSAP1	BIRC5	NCAPG	
	PRC1	TPX2	UBE2C	NUF2	TTK	ZWINT	RRM2	MELK	
	CDKN3	PTTG1	CENPK	CHEK1	NEK2	MCM4	ASPM	MCM2	
	PBK	KIF4A	CEP55	FOXM1	KIF15	COL1A1	ANLN	COL1A2	
	COL10A1	COL11A1	COL3A1	COL5A2	COL5A1	COL8A2	PLOD2	TYMS	
	KIF14	ORC6	HMMR	KIF26B	GMNN	FEN1	MMP1	FBXO32	
	GINS1	GINS2	GTSE1	ZBTB16	RM12	UBE2T	ITGA11	BRIP1	
	EZH2	CCNE2	PSAT1	PAFAH1B3	MMP11	THBS2	NME1	STIL	
	PSPH	FANCI	MMP13	ADAMTS12	ECT2	IGFBP3	SFTPD	PLA2G1B	
	SFTPB								
	Turquoise module (GSE30219) (n=413)	GPD1	BTNL9	SCARA5	PLAC9	GDF10	HSPB6	FHL1	DAPK2
		TNPO1	FAM189A2	PGR	ANKRD29	DLC1	EMCN	ABCA8	PDE2A
		CSRNP1	ARHGAP6	LOC100506990	PSMD6-AS2	FHL5	PGM5	NOSTRIN	FILIP1
		LTBP4	SPATA13	STARD13	RUFY2	TNS2	PREX2	CFAP70	SYNPO2
		GPX3	IFT57	PCLAF	JCAD	VEPH1	ATAD2	CX3CR1	PALMD
		ADIRF	RBP4	PLPP3	HBB	VAPA	CDCA3	FRY	ATOH8
		TGFBR3	SELENOI	VSIG2	CTHRC1	FAM199X	SRD5A1	HIGD1B	CAB39L
		CDH19	IL33	HMGB3	NR4A1	DIXDC1	NR4A3	MAGI2-AS3	
		ARHGAP44	PLSCR4	ATP5S	COX7A1	UHRF1	SHC3	HLF	2-Mar
DEPDC1		RNF125	CDO1	HMGB3P1	CKAP2	MMP12	SPARCL1	NDRG2	
FAM13C		NETO2	AUNIP	NTN4	KNSTRN	MKI67	DNAH14	PSAT1	
THY1		E2F8	KNL1	DSP	SPAG5	CRIM1	SIX4		
PRICKLE2		FIGNL1	RAI2	CCDC34	C1orf112	PIMREG	WFDC1	TMPO	
CENPU		CDCA2	DEPDC1B	SPP1	METTTL7A	HELLS	CDCA7	FAM162B	
ECE2		CNRIP1	SAMD4A	HYAL1	ESRP1	NEBL	AFF3	PDK1	
GRAMD2A		DONSON	SGO2	IQGAP3	MYRF	CACNA2D2	RAB11FIP1	CYS1	
CKAP2L		PARBPB	ADAM12	PRR11	PDK4	KL	ABCA3	MLLT11	
COCH		NDC1	DUXAP10	MT1M	PPP1R3C	EPB41L5	SULF1	RRG	
TRIM59		MDK	CGNL1	ARNTL2	ZNF367	NEIL3	RNASE4	8-Sep	
GGH		ADGRD1	KCNE1	SLC12A8	IGSF9	TMEM125	SLC7A5	NEGR1	
CPB2		NR4A2	ID4	IGF2BP3	SLC2A5	CA2	FAXDC2		
CAMK2N1		PFN2	WASF1	LOXL2	RPL39L	CTSV	PID1	MEST	
CABYR		MTFR2	BCL11A	CDK5R1	CDHR3	C12orf56	MACROD2	CHRNA5	
FAM83D		CRABP2	WISP1	NR3C2	HOXA10	ADAMDEC1	PI15	APOD	
SLC22A3		PRAME	WDR72	TMEM158	FAP	ZIC2	APOBEC3B	FNDC1	
DNALI1		HOXD10	ATP8A1	DLX6	MLPH	CNTNAP2	MAGEA6	CAPN8	
HOXC6		DLX5	HES6	HORMAD1	AQP3	MAGEA12	MAGEA1	TSPAN8	
MS4A8		LGSN	CALB1	CDK1	CCNB1	CCNB2	BUB1	CDC20	
MAD2L1		PLK1	AURKB	CCNA2	CENPE	CDCA8	KIF2C	BUB1B	
NDC80		TOP2A	BIRC5	KIF11	CENPF	KIF18A	CENPL	CENPH	
CENPN		CENPI	CENPK	KIF20A	NUF2	ESPL1	DLGAP5	KIF23	
AURKA		ZWINT	CDCA5	ZWILCH	KNTC1	SPC25	SKA1	PRC1	
UBE2C		CHEK1	NCAPG	TPX2	HIST1H2BD	HIST1H2BH	RACGAP1	TTK	
MCM4	NUSAP1	CDC45	CDC6	MCM2	RFC4	RRM2	POLE2		
PTTG1	CDKN3	ASPM	KIF4A	MELK	SMC2	CDT1	FOXM1		
ORC6	SMC4	NEK2	KIF15	MCM8	CDC25A	SKP2	PBK		
CEP55	MCM10	RAD51	ANLN	PIK3R1	HJURP	OIP5	CENPW		
KIF18B	GMNN	KIF26B	DBF4	TYMS	NCAPG2	EXO1	CCNE1		

	ITGA1	NUP155	KIF14	RM12	FEN1	NCAPH	BRIP1	CDC25C
	AGTR1	HMMR	TIMELESS	COL1A1	CKS1B	UBE2S	MYBL2	COL1A2
	CKS2	COL5A2	PLOD2	LMO7	ADRB2	ZBTB16	ARRB1	GINS2
	CCNE2	RAD51AP1	RNF144B	EZH2	FOS	NR3C1	LMNB1	COL3A1
	CBX2	COL10A1	COL11A1	FBXO5	MMP1	NMU	CTTN	DTL
	EPAS1	GINS1	ECT2	GTSE1	AR	SYT1	SSTR1	GAL
	UBE2T	MND1	P2RY14	CITED2	LPL	SERPINA1	VIPR1	RAMP2
	NME1	RAP1A	CLU	AOX1	MYH11	KPNA2	DUSP1	SORBS1
	FANCI	CBX7	CERS6	ASF1B	NME5	SHCBP1	ALDH2	E2F7
	SGMS2	TRIP13	MAOB	TFAP2A	MMP9	MAOA	SCNN1B	FXYD1
	LRRFIP1	SHANK3	GRIA1	ATP1A2	PAICS	PPAT	PRKCE	
	PAFAH1B3	SUV39H2	FGFR4	GATA2	SCN4B	TPD52	PLA2G1B	
	ADAMTSL3	TSC22D3	MMP11	TK1	GREM1	RAD54B	RNASEH2A	LMNB2
	SLC2A1	IGFBP3	DSCC1	STIL	PGF	THBS2	EGLN3	BMP2
	CDKN2A	HMGA2						
Yellow module (GSE32863) (n=79)	CACNA2D2	UHRF1	UBE2T	Pfs2	C9orf140	CDC45L	PGC	
	MGC24665	C17orf53	ECT2	C1QTNF6	SLPI	CDCA7	SUSD2	WDR51A
	A2M	HES6	PGCP	PTTG3	HDC	LEPREL1	FLRT3	TBX2
	NMU	SCG5	RPL39L	SELENBP1	ZNF533	SCGB3A2	RNASE1	VSIG2
	TRIP13	FOLR1	ANG	KCNK12	C4BPA	IGJ	PCP4	TUBB2B
	AGR3	SCGB3A1	TOP2A	CCNB2	CDC20	AURKB	AURKA	CDCA8
	UBE2C	KIF20A	TPX2	BIRC5	PRC1	NUSAP1	CENPF	PTTG1
	MCM2	NEK2	CDCA5	TYMS	MCM4	MELK	ASPM	NUP155
	TUBG1	FEN1	TIMELESS	CCNF	KIFC1	KIF1A	STIL	TK1
	H2AFX	KIAA0101	ALDH2	E2F2	SFTPD	CCNE1	MAOA	SFTPB
Yellow module (GSE63459) (n=160)	ADRB2	MARCKSL1	CES1	IDH2	CSTF2	PSAT1	C6orf125	NOSTRIN
	KIAA0859	ST6GALNAC6		STOM	PLA2G4F	WFS1	MAL	XPO5
	SAP18	TNFSF12	MTA3	MGC13170	NARF	SLC2A1	C17orf53	CALM1
	GSN	CDC45L	MOCS1	ALG8	TSPAN4	C1orf112	TLE4	EDNRA
	C6orf129	IFT57	WDR51A	CIRBP	AHCY	TMEM132A	C20orf20	
	MGC24665	MS4A2	GDDR	TPSAB1	HMGA1	BOLA2	ECRG4	FLJ40629
	HCAP-G	CABYR	PCCB	NUDT1	GPR116	PLOD1	C9orf140	SUSD2
	NCALD	SLPI	C20orf24	ABCA3	VSIG2	PTTG3	KLF2	DLG7
	TROAP	PGCP	TMEM106C	CPA3	SFTPD	MSN	DLC1	
	DKFZp762E1312	SELENBP1	CDC2	NR3C2	HES6	C16orf60	RAFTLIN	C18orf56
	C1orf116	RPS6KA2	HLA-DRB6	CTSH	RNASE1	IGF2BP3	FOXA2	BUB1
	CCNB2	CCNA2	CDC20	AURKB	TOP2A	CDCA8	AURKA	KIF11
	CENPF	KIF2C	KIF20A	TPX2	BIRC5	PRC1	CHEK1	NUSAP1
	UBE2C	CENPM	MCM3	MCM4	MCM2	RFC4	KNTC1	CDCA5
	SPC24	PTTG1	RCC2	TTK	CDKN3	NEK2	PLK4	MCM7
	MELK	CEP55	FOXM1	ASPM	TYMS	MCM6	E2F3	FEN1
	HMMR	TIMELESS	MCM10	ANLN	CDK4	E2F2	EXO1	TUBG1
	CKS1B	CCNE1	CCNF	EZH2	RAB3IP	KIAA0101	RAD51AP1	POLQ
	OIP5	SHMT2	UBE2T	TK1	STIL	CBX2	ALDH2	PAICS
	CCT3	GAPDH	APOA1BP	MRPL12	CD59	RPL34	MRPS17	RPL39L
	TRIP13	MAOA	FOLR1					