

UBE2I indicates poor prognosis in HCC via ATGs

Table S1. Top 100 genes of *UBE2I* co-expression related

Correlated Gene	Cytoband	Spearman's Correlation	p-Value	q-Value
RNPS1	16p13.3	0.817	7.98E-91	1.60E-86
LCMT1	16p12.1	0.711	1.16E-58	1.16E-54
PCSK6	15q26.3	-0.669	8.60E-50	5.76E-46
ALDOA	16p11.2	0.648	8.80E-46	4.42E-42
PPIH	1p34.2	0.629	1.83E-42	7.33E-39
METTL9	16p12.2	0.627	3.36E-42	1.12E-38
CLIC1	6p21.33	0.617	1.51E-40	4.35E-37
PKMYT1	16p13.3	0.613	8.77E-40	2.20E-36
TBC1D10B	16p11.2	0.611	1.46E-39	3.27E-36
DCTN5	16p12.2	0.608	5.36E-39	1.08E-35
CD2BP2	16p11.2	0.605	1.38E-38	2.51E-35
CCDC189	16p11.2	0.601	5.25E-38	8.79E-35
CAT	11p13	-0.601	6.39E-38	9.87E-35
PIK3R1	5q13.1	-0.599	1.01E-37	1.46E-34
THOC6	16p13.3	0.599	1.18E-37	1.58E-34
PSMC3IP	17q21.2	0.598	1.54E-37	1.93E-34
TUBA1B	12q13.12	0.596	2.80E-37	3.31E-34
FMO4	1q24.3	-0.594	5.29E-37	5.90E-34
TEDC2	16p13.3	0.592	1.29E-36	1.37E-33
G6PD	Xq28	0.589	3.87E-36	3.89E-33
DMGDH	5q14.1	-0.587	6.62E-36	6.33E-33
BOLA2	16p11.2	0.586	1.04E-35	9.48E-33
RPUSD1	16p13.3	0.584	1.91E-35	1.67E-32
SLC6A1	3p25.3	-0.583	2.42E-35	2.03E-32
FKBP1A	20p13	0.581	5.33E-35	4.28E-32
ALDH5A1	6p22.3	-0.579	9.30E-35	7.18E-32
SNRPA	19q13.2	0.578	1.13E-34	8.39E-32
NUDT1	7p22.3	0.578	1.39E-34	9.98E-32
VASP	19q13.32	0.577	1.47E-34	1.02E-31
ABCA6	17q24.2-q24.3	-0.577	1.63E-34	1.09E-31
KIF2C	1p34.1	0.575	2.92E-34	1.89E-31
RALY	20q11.22	0.575	3.20E-34	2.01E-31
GLYATL1	11q12.1	-0.574	4.99E-34	3.04E-31
POLR3K	16p13.3	0.573	6.28E-34	3.71E-31
CEP89	19q13.11	0.572	8.84E-34	5.07E-31
APOB	2p24.1	-0.571	1.29E-33	7.22E-31
ZNF213	16p13.3	0.571	1.34E-33	7.28E-31
GPLD1	6p22.3	-0.57	1.70E-33	9.00E-31
SLC2A2	3q26.2	-0.569	1.96E-33	1.01E-30
JPT1	17q25.1	0.569	2.01E-33	1.01E-30
PI4K2B	4p15.2	-0.569	2.50E-33	1.20E-30
MAPRE1	20q11.21	0.569	2.56E-33	1.20E-30
SNRPD1	18q11.2	0.569	2.58E-33	1.20E-30
SEPSECS	4p15.2	-0.568	2.90E-33	1.30E-30
RCC2	1p36.13	0.568	2.95E-33	1.30E-30
MIA2	14q21.1	-0.568	2.98E-33	1.30E-30
FUS	16p11.2	0.567	3.94E-33	1.67E-30
KHDRBS1	1p35.2	0.567	4.07E-33	1.67E-30
CORO7	16p13.3	0.567	4.07E-33	1.67E-30

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CYP4A22	1p33	-0.567	4.57E-33	1.84E-30
TLCD4	1p21.3	-0.566	4.89E-33	1.93E-30
UPB1	22q11.23	-0.565	7.68E-33	2.97E-30
RORA	15q22.2	-0.565	8.07E-33	3.06E-30
TACC3	4p16.3	0.565	8.64E-33	3.21E-30
EHHADH	3q27.2	-0.565	8.80E-33	3.21E-30
SLC10A1	14q24.1	-0.564	9.17E-33	3.29E-30
ORC6	16q11.2	0.564	1.11E-32	3.90E-30
MPDZ	9p23	-0.563	1.63E-32	5.63E-30
CDC20	1p34.2	0.562	2.17E-32	7.38E-30
GIT1	17q11.2	0.561	2.89E-32	9.69E-30
RPS2	16p13.3	0.56	3.53E-32	1.16E-29
TMSB10	2p11.2	0.56	3.57E-32	1.16E-29
ACD	16q22.1	0.56	4.02E-32	1.28E-29
RMDN2	2p22.2	-0.559	5.47E-32	1.72E-29
DNASE1	16p13.3	0.557	9.17E-32	2.83E-29
PHF19	9q33.2	0.556	1.14E-31	3.48E-29
SLC9B2	4q24	-0.556	1.16E-31	3.49E-29
METTL7A	12q13.12	-0.556	1.19E-31	3.51E-29
KNOP1	16p12.3	0.556	1.30E-31	3.80E-29
EME1	17q21.33	0.555	1.44E-31	4.14E-29
CERS5	12q13.12	0.555	1.50E-31	4.24E-29
LUC7L	16p13.3	0.554	2.05E-31	5.73E-29
STX4	16p11.2	0.553	3.37E-31	9.27E-29
AXIN1	16p13.3	0.552	3.98E-31	1.08E-28
SNRPD2	19q13.32	0.552	4.18E-31	1.12E-28
PCK2	14q11.2-q12	-0.551	4.88E-31	1.29E-28
SC5D	11q23.3-q24.1	-0.55	6.98E-31	1.82E-28
DAZAP1	19p13.3	0.55	7.83E-31	2.02E-28
MTFR2	6q23.3	0.549	9.86E-31	2.49E-28
SFPQ	1p34.3	0.549	9.93E-31	2.49E-28
GYS2	12p12.1	-0.549	1.04E-30	2.59E-28
FMO3	1q24.3	-0.549	1.06E-30	2.60E-28
COL18A1	21q22.3	-0.548	1.12E-30	2.70E-28
PGP	16p13.3	0.548	1.17E-30	2.79E-28
IFI27L2	14q32.12	0.548	1.43E-30	3.39E-28
H2AFZ	4q23	0.547	1.64E-30	3.82E-28
HSD17B4	5q23.1	-0.547	1.84E-30	4.26E-28
HSD17B6	12q13.3	-0.547	1.91E-30	4.36E-28
MYO1B	2q32.3	-0.546	2.36E-30	5.30E-28
PKM	15q23	0.546	2.37E-30	5.30E-28
MFSD10	4p16.3	0.545	2.92E-30	6.45E-28
BIRC5	17q25.3	0.545	3.40E-30	7.43E-28
H2AFX	11q23.3	0.544	3.57E-30	7.70E-28
ZNF580	19q13.42	0.544	3.73E-30	7.97E-28
GATM	15q21.1	-0.544	4.63E-30	9.79E-28
IQGAP2	5q13.3	-0.543	5.57E-30	1.16E-27
RMI2	16p13.13	0.543	6.21E-30	1.29E-27
NAP1L1	12q21.2	0.542	7.78E-30	1.60E-27
MAT1A	10q22.3	-0.542	8.18E-30	1.66E-27
CCNF	16p13.3	0.541	9.42E-30	1.89E-27

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Table S2. Differentially-expressed genes of HCCM cell

DHRS2	MACF1
PCDH1	EIF5B
GANAB	IER3
CYP2S1	AKR1B1
PCNX3	MGAT4B
ABLIM3	SRSF11
SUMO3	IQGAP1
IGFL2-AS1	DIO2
PIP5K1A	LUC7L3
HSP90AA1	ATP11C
MT2A	P3H2
ETV4	ZC3H13
COL16A1	PNN
KRT80	SLC7A11
ITPR1	MKI67
TSPAN14	FAM78A
SERPINE2	BCL2L1
NIPA1	DCLK1
TGFB1	DICER1
C9orf3	VOPP1
NUFIP2	AMTN
SMG1	FTH1
DSP	MALAT1
SERPINH1	PLXND1
BTBD3	MKNK2
MT1E	AHCTF1
DACT1	TAF1
USP9X	PDE4D
SPINK6	NT5E
SLC38A1	SUN2
EPRS	H19
TUBA1A	STC2
USP34	THOC2
FAM208B	QSER1
ADAM15	CLSTN1
EIF3A	PDE2A
NEURL1B	TAF2
CHD9	ZMYM4
DYNLT1	SREBF2
EMP1	MT-TN
TPM4	TTC37
TEAD1	ANKRD17
GPRC5A	CALM3
ATP6V1A	CKAP5
CSNK1G1	LIFR
PEA15	SERPINE1
ITGA3	C6orf62
KDELC2	TOPBP1
	LPP
	CD82

