

Table SI. LncRNA-mRNA co-expression analysis for OS in HCC with fibrosis.

lncRNA	mRNA	Pearson correlation coefficient	P-value
AC012640.3	PIGC	-0.41	8.40E-10
AC012640.3	TPM3	-0.387	8.25E-09
AC012640.3	FLVCR1	-0.383	1.21E-08
AC012640.3	DDX59	-0.37	4.26E-08
AC012640.3	RFWD2	-0.37	4.11E-08
AC012640.3	POGK	-0.365	6.24E-08
AC012640.3	CACYBP	-0.356	1.45E-07
AC012640.3	CNIH4	-0.353	1.76E-07
AC012640.3	DESI2	-0.351	2.14E-07
AC012640.3	LBR	-0.35	2.44E-07
AC012640.3	TIPRL	-0.35	2.35E-07
AC012640.3	STX6	-0.34	5.29E-07
AC012640.3	HNRNPU	-0.34	5.27E-07
AC012640.3	SUCO	-0.34	5.31E-07
AC012640.3	BLZF1	-0.34	5.25E-07
AC012640.3	NUP133	-0.338	6.55E-07
AC012640.3	TTC13	-0.337	6.87E-07
AC012640.3	B4GALT3	-0.333	9.7E-07
AC012640.3	ACBD6	-0.329	1.27E-06
AC012640.3	NVL	-0.329	1.25E-06
AC012640.3	BROX	-0.328	1.45E-06
AC012640.3	SLC39A1	-0.325	1.78E-06
AC012640.3	CRTC2	-0.324	1.99E-06
AC012640.3	RRP15	-0.323	2.14E-06
AC012640.3	DNAH14	-0.32	2.50E-06
AC012640.3	CNOT11	-0.32	2.60E-06
AC012640.3	TOMM20	-0.32	2.57E-06
AC012640.3	UBE2T	-0.319	2.73E-06
AC012640.3	CDC42SE1	-0.318	3.11E-06
AC012640.3	SNAPIN	-0.318	2.95E-06
AC012640.3	PARP1	-0.317	3.29E-06
AC012640.3	TBCE	-0.317	3.32E-06
AC012640.3	SRSF1	-0.316	3.41E-06
AC012640.3	VPS72	-0.316	3.43E-06
AC012640.3	TESMIN	-0.313	4.28E-06
AC012640.3	GPATCH2	-0.312	4.65E-06
AC012640.3	YY1AP1	-0.311	5.11E-06
AC012640.3	MCMBP	-0.311	5.11E-06

AC012640.3	CACNG4	-0.31	5.28E-06
AC012640.3	DUSP12	-0.309	5.74E-06
AC012640.3	PYCR2	-0.307	6.58E-06
AC012640.3	C1orf35	-0.303	9.05E-06
AC012640.3	TAF5L	-0.303	8.92E-06
AC012640.3	C1orf131	-0.302	1.01E-05
AC012640.3	SPRTN	-0.302	9.72E-06
AC012640.3	COG2	-0.301	1.02E-05
AC012640.3	GBE1	0.301	1.08E-05
AC012640.3	CYP4V2	0.302	1.01E-05
AC012640.3	SLC19A3	0.303	8.97E-06
AC012640.3	ZHX3	0.304	8.22E-06
AC012640.3	SYT9	0.306	7.17E-06
AC012640.3	PDSS2	0.308	6.16E-06
AC012640.3	ACAA2	0.315	3.83E-06
AC012640.3	SLC25A20	0.315	3.77E-06
AC012640.3	THRSP	0.319	2.82E-06
AC012640.3	ESR1	0.319	2.70E-06
AC012640.3	DNAJC25	0.324	1.88E-06
AC012640.3	MEGF8	0.327	1.56E-06
AC012640.3	GPD1	0.328	1.46E-06
AC012640.3	ASPA	0.33	1.18E-06
AC012640.3	KLKB1	0.331	1.15E-06
AC012640.3	C14orf159	0.332	9.86E-07
AC012640.3	DPF3	0.334	8.50E-07
AC012640.3	BDH2	0.335	8.26E-07
AC012640.3	FAHD2A	0.336	7.63E-07
AC012640.3	BBOX1	0.336	7.15E-07
AC012640.3	ASPRV1	0.336	7.49E-07
AC012640.3	IL17RC	0.347	3.11E-07
AC012640.3	SFXN5	0.348	2.86E-07
AC012640.3	SLC28A1	0.351	2.08E-07
AC012640.3	CMBL	0.371	3.74E-08
AC012640.3	GSTA2	0.38	1.70E-08
AL359853.1	CDH2	-0.423	2.17E-10
AL359853.1	A1BG	-0.407	1.14E-09
AL359853.1	POLR3GL	-0.381	1.46E-08
AL359853.1	ORMDL3	-0.356	1.38E-07
AL359853.1	PIPOX	-0.349	2.59E-07
AL359853.1	GGNBP2	-0.345	3.50E-07
AL359853.1	PKLR	-0.343	4.15E-07
AL359853.1	HCN3	-0.342	4.54E-07
AL359853.1	CYP4F3	-0.341	4.91E-07
AL359853.1	PROS1	-0.338	6.09E-07

AL359853.1	PLPP6	-0.336	7.19E-07
AL359853.1	GATM	-0.335	7.98E-07
AL359853.1	ACSM2B	-0.335	8.20E-07
AL359853.1	TMEM56	-0.334	8.60E-07
AL359853.1	NUGGC	-0.333	9.39E-07
AL359853.1	RDH16	-0.333	9.73E-07
AL359853.1	CYP4F2	-0.333	9.79E-07
AL359853.1	MST1	-0.332	9.95E-07
AL359853.1	CGN	-0.331	1.13E-06
AL359853.1	APOF	-0.33	1.22E-06
AL359853.1	DNASE2	-0.329	1.34E-06
AL359853.1	SERPINA11	-0.328	1.46E-06
AL359853.1	ASPDH	-0.326	1.61E-06
AL359853.1	CPB2	-0.326	1.69E-06
AL359853.1	AHSG	-0.325	1.77E-06
AL359853.1	UPB1	-0.325	1.74E-06
AL359853.1	SLC9B2	-0.325	1.8E-06
AL359853.1	TTR	-0.325	1.81E-06
AL359853.1	CYP4A22	-0.323	2.00E-06
AL359853.1	METTL7A	-0.322	2.32E-06
AL359853.1	CCL15-CCL14	-0.32	2.50E-06
AL359853.1	ABCA6	-0.319	2.78E-06
AL359853.1	CYP2C18	-0.319	2.81E-06
AL359853.1	SLC6A1	-0.318	2.97E-06
AL359853.1	SAA4	-0.317	3.20E-06
AL359853.1	PFKFB1	-0.316	3.59E-06
AL359853.1	SLC30A1	-0.315	3.90E-06
AL359853.1	GLYATL1	-0.315	3.77E-06
AL359853.1	SORL1	-0.315	3.74E-06
AL359853.1	CCL16	-0.313	4.42E-06
AL359853.1	MOGAT2	-0.312	4.57E-06
AL359853.1	GYS2	-0.311	5.13E-06
AL359853.1	CES3	-0.31	5.43E-06
AL359853.1	N4BP2L1	-0.31	5.61E-06
AL359853.1	KNG1	-0.31	5.55E-06
AL359853.1	ACSM2A	-0.309	5.74E-06
AL359853.1	DMD	-0.308	6.32E-06
AL359853.1	SULT2A1	-0.305	7.92E-06
AL359853.1	ADGRG6	-0.305	8.04E-06
AL359853.1	HESX1	-0.302	9.47E-06
AL359853.1	CES2	-0.302	9.57E-06
AL359853.1	FETUB	-0.301	1.05E-05
AL359853.1	MAT1A	-0.301	1.02E-05
AL359853.1	PITX1	0.301	1.08E-05

AL359853.1	GPC4	0.302	9.85E-06
AL359853.1	HOXB8	0.302	9.43E-06
AL359853.1	N4BP3	0.303	8.81E-06
AL359853.1	CD101	0.303	9.19E-06
AL359853.1	PPP2R2C	0.305	7.76E-06
AL359853.1	RNF24	0.306	7.52E-06
AL359853.1	KCNMB4	0.307	6.88E-06
AL359853.1	TEAD2	0.308	6.13E-06
AL359853.1	TP53I11	0.308	6.48E-06
AL359853.1	HRASLS5	0.308	6.56E-06
AL359853.1	MPP4	0.309	5.81E-06
AL359853.1	MPV17	0.309	6.03E-06
AL359853.1	ERP27	0.312	4.86E-06
AL359853.1	TBX2	0.312	4.58E-06
AL359853.1	LINGO1	0.312	4.64E-06
AL359853.1	C15orf59	0.314	4.03E-06
AL359853.1	GPC2	0.314	4.14E-06
AL359853.1	UAP1L1	0.315	3.90E-06
AL359853.1	CALB2	0.315	3.87E-06
AL359853.1	EFR3B	0.315	3.81E-06
AL359853.1	FA2H	0.315	3.71E-06
AL359853.1	ADAMTS14	0.316	3.58E-06
AL359853.1	RAB31	0.316	3.40E-06
AL359853.1	APCDD1	0.317	3.14E-06
AL359853.1	HOXB6	0.317	3.26E-06
AL359853.1	PFKP	0.322	2.21E-06
AL359853.1	IQCA1	0.324	1.84E-06
AL359853.1	COL22A1	0.326	1.68E-06
AL359853.1	STON1	0.33	1.21E-06
AL359853.1	ALDOA	0.33	1.23E-06
AL359853.1	GP2	0.33	1.17E-06
AL359853.1	MGAT5B	0.332	1.04E-06
AL359853.1	NPTX1	0.333	9.35E-07
AL359853.1	TMEM51	0.333	9.49E-07
AL359853.1	POMC	0.336	7.23E-07
AL359853.1	C4orf48	0.336	7.15E-07
AL359853.1	DBN1	0.337	6.91E-07
AL359853.1	HOXC4	0.34	5.40E-07
AL359853.1	BASP1	0.343	4.28E-07
AL359853.1	VANGL2	0.344	3.85E-07
AL359853.1	KIAA2022	0.346	3.35E-07
AL359853.1	BACE2	0.347	3.03E-07
AL359853.1	HOXC9	0.349	2.49E-07
AL359853.1	NETO2	0.35	2.41E-07

AL359853.1	UNC5A	0.354	1.73E-07
AL359853.1	SLCO5A1	0.359	1.10E-07
AL359853.1	SCN3B	0.361	9.40E-08
AL359853.1	HOXC6	0.371	3.83E-08
AL359853.1	HOXB5	0.374	2.88E-08
AL359853.1	RAB6B	0.378	1.92E-08
AL359853.1	NIPSNAP2	0.384	1.17E-08
AL359853.1	SLC6A17	0.393	4.68E-09
AL359853.1	FAM163A	0.652	1.95E-26
AL772337.1	EIF3E	-0.465	1.59E-12
AL772337.1	ALDH3A1	-0.46	3.00E-12
AL772337.1	LYPLAL1	-0.451	9.31E-12
AL772337.1	RNPEP	-0.445	1.80E-11
AL772337.1	CLDN2	-0.445	1.75E-11
AL772337.1	SLC23A2	-0.429	1.13E-10
AL772337.1	FBXO31	-0.429	1.14E-10
AL772337.1	SLC22A11	-0.428	1.28E-10
AL772337.1	CPLX2	-0.428	1.27E-10
AL772337.1	EMC2	-0.426	1.48E-10
AL772337.1	TGIF1	-0.422	2.38E-10
AL772337.1	ALDH3A2	-0.416	4.54E-10
AL772337.1	SYBU	-0.416	4.70E-10
AL772337.1	SHC2	-0.415	5.06E-10
AL772337.1	RGSL1	-0.415	5.08E-10
AL772337.1	FBXW10	-0.412	6.59E-10
AL772337.1	SLC22A12	-0.41	8.68E-10
AL772337.1	TTC9	-0.41	8.92E-10
AL772337.1	COQ8A	-0.409	9.74E-10
AL772337.1	SLC3A2	-0.409	9.28E-10
AL772337.1	IFNGR1	-0.406	1.29E-09
AL772337.1	THSD1	-0.405	1.43E-09
AL772337.1	DERL1	-0.403	1.80E-09
AL772337.1	EIF3H	-0.402	1.83E-09
AL772337.1	HMOX2	-0.401	2.15E-09
AL772337.1	NEK3	-0.399	2.68E-09
AL772337.1	DISP1	-0.399	2.70E-09
AL772337.1	TIMM17A	-0.399	2.69E-09
AL772337.1	RNF139	-0.398	2.85E-09
AL772337.1	PRR5L	-0.396	3.44E-09
AL772337.1	GABARAPL1	-0.395	3.96E-09
AL772337.1	TERF2IP	-0.394	4.33E-09
AL772337.1	TATDN1	-0.388	7.34E-09
AL772337.1	SBDS	-0.388	7.31E-09
AL772337.1	CHST15	-0.388	7.82E-09

AL772337.1	MYL12A	-0.387	8.76E-09
AL772337.1	FAM8A1	-0.386	9.45E-09
AL772337.1	GLUL	-0.385	1.03E-08
AL772337.1	ZNF394	-0.385	9.88E-09
AL772337.1	EBAG9	-0.383	1.21E-08
AL772337.1	ZNF503	-0.382	1.33E-08
AL772337.1	ZCCHC6	-0.381	1.42E-08
AL772337.1	CAMK1D	-0.379	1.75E-08
AL772337.1	ALAS1	-0.379	1.72E-08
AL772337.1	LENG9	-0.379	1.86E-08
AL772337.1	MRRF	-0.378	2.04E-08
AL772337.1	TCEAL1	-0.378	2.00E-08
AL772337.1	ARL8A	-0.376	2.31E-08
AL772337.1	CYP2E1	-0.375	2.69E-08
AL772337.1	ANKRD37	-0.373	3.04E-08
AL772337.1	AIMP1	-0.373	3.25E-08
AL772337.1	FAM171A1	-0.373	3.00E-08
AL772337.1	AHR	-0.372	3.49E-08
AL772337.1	BOK	-0.372	3.36E-08
AL772337.1	AOX1	-0.371	3.76E-08
AL772337.1	GABARAPL2	-0.371	3.58E-08
AL772337.1	PARVB	-0.37	4.07E-08
AL772337.1	SMYD2	-0.366	5.76E-08
AL772337.1	SLC9A3R2	-0.366	5.81E-08
AL772337.1	REEP5	-0.364	7.20E-08
AL772337.1	RSL1D1	-0.363	7.48E-08
AL772337.1	RIOK2	-0.363	7.85E-08
AL772337.1	MKRN1	-0.363	7.83E-08
AL772337.1	SULT4A1	-0.362	8.64E-08
AL772337.1	PANX2	-0.361	9.18E-08
AL772337.1	TSHZ2	-0.361	9.01E-08
AL772337.1	TBX3	-0.36	9.54E-08
AL772337.1	MTERF3	-0.36	1.03E-07
AL772337.1	DDX28	-0.36	1.01E-07
AL772337.1	TK2	-0.359	1.05E-07
AL772337.1	RSPO2	-0.359	1.12E-07
AL772337.1	SAT1	-0.359	1.06E-07
AL772337.1	GPT2	-0.359	1.07E-07
AL772337.1	RMDN1	-0.358	1.22E-07
AL772337.1	NIPAL2	-0.358	1.23E-07
AL772337.1	SETD6	-0.357	1.26E-07
AL772337.1	KCNU1	-0.354	1.60E-07
AL772337.1	NMT2	-0.354	1.65E-07
AL772337.1	POLB	-0.354	1.62E-07

AL772337.1	BMP1	-0.354	1.73E-07
AL772337.1	SEMA7A	-0.353	1.85E-07
AL772337.1	TERF2	-0.353	1.79E-07
AL772337.1	AKR1C1	-0.353	1.81E-07
AL772337.1	MYC	-0.353	1.79E-07
AL772337.1	RIPPLY1	-0.352	2.03E-07
AL772337.1	GPAT4	-0.352	2.01E-07
AL772337.1	EIF4EBP3	-0.351	2.14E-07
AL772337.1	CRYZ	-0.351	2.21E-07
AL772337.1	POU6F1	-0.351	2.12E-07
AL772337.1	EFR3A	-0.35	2.30E-07
AL772337.1	ATP6V0E1	-0.349	2.45E-07
AL772337.1	ZNF775	-0.348	2.67E-07
AL772337.1	COQ4	-0.348	2.85E-07
AL772337.1	CYP1A1	-0.348	2.69E-07
AL772337.1	PLPP1	-0.348	2.81E-07
AL772337.1	ATP6V0E2	-0.347	3.11E-07
AL772337.1	VSTM4	-0.347	2.95E-07
AL772337.1	DNAJA2	-0.347	3.07E-07
AL772337.1	FAM43A	-0.347	2.90E-07
AL772337.1	TOX3	-0.346	3.18E-07
AL772337.1	NOB1	-0.346	3.38E-07
AL772337.1	ZNF706	-0.346	3.31E-07
AL772337.1	CDC37L1	-0.346	3.29E-07
AL772337.1	BAMBI	-0.346	3.27E-07
AL772337.1	TM4SF1	-0.345	3.65E-07
AL772337.1	KIAA1549	-0.345	3.57E-07
AL772337.1	TMEM150C	-0.344	4.02E-07
AL772337.1	NIP7	-0.344	3.91E-07
AL772337.1	PMPCB	-0.344	3.87E-07
AL772337.1	ECM2	-0.344	3.90E-07
AL772337.1	TERB2	-0.344	4.01E-07
AL772337.1	TMEM100	-0.343	4.09E-07
AL772337.1	NSMCE2	-0.343	4.13E-07
AL772337.1	RUNDC3B	-0.342	4.63E-07
AL772337.1	TMCC1	-0.342	4.64E-07
AL772337.1	ZFAND1	-0.342	4.60E-07
AL772337.1	LMF1	-0.342	4.48E-07
AL772337.1	AGAP3	-0.342	4.39E-07
AL772337.1	ABCG2	-0.342	4.66E-07
AL772337.1	SLC25A32	-0.341	4.92E-07
AL772337.1	SLC13A3	-0.341	5.16E-07
AL772337.1	FAM227B	-0.341	5.12E-07
AL772337.1	SLC1A2	-0.341	4.88E-07

AL772337.1	MRPL32	-0.34	5.38E-07
AL772337.1	ABHD14B	-0.34	5.37E-07
AL772337.1	UBE2W	-0.34	5.30E-07
AL772337.1	MYL12B	-0.339	5.75E-07
AL772337.1	SLC38A2	-0.339	5.80E-07
AL772337.1	BBS2	-0.338	6.08E-07
AL772337.1	HIBADH	-0.338	6.52E-07
AL772337.1	UBE2H	-0.337	6.97E-07
AL772337.1	CDYL2	-0.337	6.67E-07
AL772337.1	CDK6	-0.337	7.14E-07
AL772337.1	DTWD1	-0.337	6.84E-07
AL772337.1	RGMB	-0.337	6.85E-07
AL772337.1	CBR1	-0.337	6.92E-07
AL772337.1	IL1RAPL2	-0.337	6.87E-07
AL772337.1	OTUD5	-0.336	7.32E-07
AL772337.1	OMA1	-0.336	7.44E-07
AL772337.1	GTPBP10	-0.336	7.64E-07
AL772337.1	HPD	-0.335	8.00E-07
AL772337.1	L3HYPDH	-0.334	8.47E-07
AL772337.1	RHBG	-0.334	8.72E-07
AL772337.1	PANX1	-0.334	8.72E-07
AL772337.1	TMEM50A	-0.333	9.42E-07
AL772337.1	TOMM20	-0.333	9.68E-07
AL772337.1	C4BPA	-0.333	9.53E-07
AL772337.1	PABPC1	-0.333	9.30E-07
AL772337.1	SLC6A2	-0.333	9.76E-07
AL772337.1	MMAA	-0.332	1.00E-06
AL772337.1	ISCU	-0.332	1.03E-06
AL772337.1	TBCA	-0.331	1.13E-06
AL772337.1	CPQ	-0.33	1.16E-06
AL772337.1	LINC00238	-0.33	1.23E-06
AL772337.1	BZW2	-0.33	1.16E-06
AL772337.1	E4F1	-0.33	1.19E-06
AL772337.1	PSMC2	-0.329	1.34E-06
AL772337.1	KARS	-0.329	1.29E-06
AL772337.1	LGR5	-0.329	1.29E-06
AL772337.1	STARD10	-0.329	1.31E-06
AL772337.1	LGI3	-0.329	1.26E-06
AL772337.1	UBC	-0.328	1.42E-06
AL772337.1	GNPAT	-0.328	1.36E-06
AL772337.1	RAB2A	-0.327	1.54E-06
AL772337.1	RAB4A	-0.327	1.55E-06
AL772337.1	NUDT13	-0.327	1.56E-06
AL772337.1	ADCY8	-0.327	1.57E-06

AL772337.1	VPS28	-0.327	1.46E-06
AL772337.1	BYSL	-0.327	1.46E-06
AL772337.1	BCAP31	-0.327	1.57E-06
AL772337.1	ODAM	-0.326	1.67E-06
AL772337.1	PDLIM1	-0.326	1.62E-06
AL772337.1	GRK3	-0.326	1.68E-06
AL772337.1	IGSF8	-0.326	1.59E-06
AL772337.1	EPHB2	-0.325	1.81E-06
AL772337.1	C1QTNF3	-0.325	1.71E-06
AL772337.1	CPNE2	-0.325	1.79E-06
AL772337.1	KLHDC9	-0.324	1.93E-06
AL772337.1	TMEM245	-0.324	1.89E-06
AL772337.1	UFSP2	-0.324	1.98E-06
AL772337.1	LAMA3	-0.323	2.05E-06
AL772337.1	SLC25A28	-0.323	2.05E-06
AL772337.1	NKD1	-0.323	2.00E-06
AL772337.1	NTMT1	-0.322	2.24E-06
AL772337.1	MCEE	-0.322	2.25E-06
AL772337.1	MEPCE	-0.322	2.22E-06
AL772337.1	AXIN2	-0.322	2.23E-06
AL772337.1	CUL1	-0.321	2.40E-06
AL772337.1	PHLDA1	-0.321	2.43E-06
AL772337.1	ATP6V1G1	-0.321	2.38E-06
AL772337.1	EBPL	-0.321	2.33E-06
AL772337.1	MED31	-0.32	2.59E-06
AL772337.1	TSPO	-0.32	2.56E-06
AL772337.1	RHOBTB1	-0.32	2.67E-06
AL772337.1	TRIM16L	-0.319	2.82E-06
AL772337.1	FBXL8	-0.319	2.85E-06
AL772337.1	NAA20	-0.319	2.79E-06
AL772337.1	UTP4	-0.319	2.75E-06
AL772337.1	GSTO1	-0.319	2.88E-06
AL772337.1	SLU7	-0.319	2.81E-06
AL772337.1	RBM24	-0.318	3.00E-06
AL772337.1	TPT1	-0.318	2.95E-06
AL772337.1	ZNF34	-0.318	3.00E-06
AL772337.1	ZNF18	-0.318	2.95E-06
AL772337.1	TSC22D1	-0.318	2.99E-06
AL772337.1	NKRF	-0.317	3.32E-06
AL772337.1	MRPS31	-0.316	3.64E-06
AL772337.1	RELN	-0.316	3.62E-06
AL772337.1	TEDDM1	-0.316	3.44E-06
AL772337.1	NDUFAF1	-0.315	3.86E-06
AL772337.1	RPL12	-0.315	3.80E-06

AL772337.1	ALG5	-0.315	3.81E-06
AL772337.1	CD59	-0.315	3.93E-06
AL772337.1	ZHX2	-0.314	4.13E-06
AL772337.1	ZNF398	-0.314	4.18E-06
AL772337.1	C16orf86	-0.313	4.33E-06
AL772337.1	SAXO1	-0.313	4.34E-06
AL772337.1	NOP16	-0.312	4.73E-06
AL772337.1	CAMLG	-0.312	4.88E-06
AL772337.1	WWP1	-0.312	4.71E-06
AL772337.1	CDNF	-0.312	4.72E-06
AL772337.1	BSDC1	-0.312	4.62E-06
AL772337.1	LCN2	-0.311	5.02E-06
AL772337.1	CRLS1	-0.311	5.27E-06
AL772337.1	REG3A	-0.311	5.27E-06
AL772337.1	ANKRD29	-0.311	5.14E-06
AL772337.1	ABLIM1	-0.311	5.12E-06
AL772337.1	ATP6V1H	-0.311	5.25E-06
AL772337.1	IMPAD1	-0.311	5.15E-06
AL772337.1	BOP1	-0.311	5.08E-06
AL772337.1	PACRG	-0.31	5.47E-06
AL772337.1	NLN	-0.31	5.31E-06
AL772337.1	SHH	-0.31	5.61E-06
AL772337.1	DDX24	-0.31	5.58E-06
AL772337.1	PIR	-0.309	6.03E-06
AL772337.1	MRPL24	-0.309	5.82E-06
AL772337.1	RARS	-0.309	6.10E-06
AL772337.1	HS3ST3B1	-0.309	6.07E-06
AL772337.1	ERMAP	-0.309	5.85E-06
AL772337.1	ENY2	-0.308	6.12E-06
AL772337.1	TCF7	-0.308	6.15E-06
AL772337.1	MRPL1	-0.308	6.28E-06
AL772337.1	LMOD1	-0.308	6.57E-06
AL772337.1	HGD	-0.307	6.84E-06
AL772337.1	HPS6	-0.307	6.75E-06
AL772337.1	PUM3	-0.307	6.95E-06
AL772337.1	SDCCAG3	-0.307	7.02E-06
AL772337.1	MCAT	-0.307	6.62E-06
AL772337.1	SP5	-0.307	6.80E-06
AL772337.1	AAED1	-0.307	6.93E-06
AL772337.1	PARP10	-0.307	6.78E-06
AL772337.1	ZFAND5	-0.306	7.54E-06
AL772337.1	THADA	-0.306	7.51E-06
AL772337.1	GRPR	-0.306	7.36E-06
AL772337.1	RPL13	-0.306	7.36E-06

AL772337.1	AQP9	-0.306	7.23E-06
AL772337.1	TMEM2	-0.305	8.01E-06
AL772337.1	MINDY4B	-0.305	8.11E-06
AL772337.1	MECR	-0.305	7.89E-06
AL772337.1	WLS	-0.305	7.72E-06
AL772337.1	PSMD7	-0.305	7.93E-06
AL772337.1	CDH22	-0.305	7.85E-06
AL772337.1	CYB5D2	-0.305	7.63E-06
AL772337.1	GTF2B	-0.304	8.56E-06
AL772337.1	ZBTB7A	-0.304	8.51E-06
AL772337.1	MRPL15	-0.304	8.42E-06
AL772337.1	TPRG1	-0.304	8.24E-06
AL772337.1	C4BPB	-0.304	8.54E-06
AL772337.1	FST	-0.303	8.90E-06
AL772337.1	ARHGEF28	-0.303	8.92E-06
AL772337.1	CES2	-0.303	8.77E-06
AL772337.1	RPL10A	-0.302	9.89E-06
AL772337.1	FARS2	-0.302	9.77E-06
AL772337.1	LRP2BP	-0.302	9.45E-06
AL772337.1	RSL24D1	-0.302	9.69E-06
AL772337.1	MRPS33	-0.302	9.76E-06
AL772337.1	SOD1	-0.302	9.65E-06
AL772337.1	ELK4	-0.301	1.06E-05
AL772337.1	43347	-0.301	1.04E-05
AL772337.1	BTF3	-0.301	1.03E-05
AL772337.1	CCNDBP1	-0.301	1.08E-05
AL772337.1	RYR2	0.301	1.08E-05
AL772337.1	TMEM97	0.301	1.01E-05
AL772337.1	NREP	0.301	1.05E-05
AL772337.1	MATN2	0.301	1.03E-05
AL772337.1	AFP	0.301	1.03E-05
AL772337.1	PRR19	0.301	1.06E-05
AL772337.1	SLC30A4	0.301	1.02E-05
AL772337.1	SRGAP2C	0.301	1.08E-05
AL772337.1	SUSD2	0.302	1.00E-05
AL772337.1	STARD4	0.302	9.91E-06
AL772337.1	C5orf34	0.302	9.67E-06
AL772337.1	STMND1	0.302	9.79E-06
AL772337.1	CTNND2	0.302	9.98E-06
AL772337.1	NUF2	0.302	9.56E-06
AL772337.1	CKAP5	0.302	1.01E-05
AL772337.1	STXBP4	0.302	9.92E-06
AL772337.1	CENPK	0.302	9.82E-06
AL772337.1	PRKCD	0.302	9.60E-06

AL772337.1	KIF2C	0.303	9.05E-06
AL772337.1	B4GALT4	0.303	9.22E-06
AL772337.1	RDM1	0.303	9.13E-06
AL772337.1	LRRN1	0.303	9.40E-06
AL772337.1	CCR10	0.303	8.98E-06
AL772337.1	KIF20B	0.303	8.95E-06
AL772337.1	RAF1	0.303	9.28E-06
AL772337.1	ORC1	0.303	9.23E-06
AL772337.1	DIAPH3	0.303	9.15E-06
AL772337.1	FREM2	0.303	9.19E-06
AL772337.1	CIT	0.303	8.94E-06
AL772337.1	ELANE	0.303	8.99E-06
AL772337.1	C2CD5	0.304	8.32E-06
AL772337.1	GINS4	0.304	8.77E-06
AL772337.1	PLCB3	0.304	8.56E-06
AL772337.1	ZNF641	0.304	8.53E-06
AL772337.1	UNC93A	0.304	8.75E-06
AL772337.1	TCF19	0.304	8.32E-06
AL772337.1	CROCC2	0.304	8.27E-06
AL772337.1	SLC18B1	0.304	8.63E-06
AL772337.1	HAUS6	0.304	8.70E-06
AL772337.1	ZNF556	0.304	8.49E-06
AL772337.1	TCEAL8	0.305	7.93E-06
AL772337.1	NDC80	0.305	8.04E-06
AL772337.1	C7orf31	0.305	7.98E-06
AL772337.1	ZNF90	0.305	8.03E-06
AL772337.1	ATP10D	0.305	7.87E-06
AL772337.1	TMEM266	0.305	8.10E-06
AL772337.1	ASB11	0.306	7.29E-06
AL772337.1	CSTA	0.306	7.49E-06
AL772337.1	CARMIL3	0.306	7.54E-06
AL772337.1	RAP2A	0.307	6.60E-06
AL772337.1	ZNF496	0.307	6.99E-06
AL772337.1	SLC35G1	0.307	6.59E-06
AL772337.1	FEM1B	0.307	7.06E-06
AL772337.1	IGSF11	0.307	6.90E-06
AL772337.1	CABLES2	0.307	6.65E-06
AL772337.1	FABP6	0.308	6.55E-06
AL772337.1	IL22RA1	0.308	6.25E-06
AL772337.1	FSIP1	0.308	6.46E-06
AL772337.1	BARD1	0.309	5.76E-06
AL772337.1	AUTS2	0.309	5.99E-06
AL772337.1	KNL1	0.309	5.74E-06
AL772337.1	ZNF488	0.309	5.91E-06

AL772337.1	TUBG1	0.309	5.90E-06
AL772337.1	RNF39	0.309	5.99E-06
AL772337.1	RAI14	0.309	5.79E-06
AL772337.1	HMSD	0.309	5.74E-06
AL772337.1	SLC6A19	0.31	5.34E-06
AL772337.1	USH2A	0.31	5.51E-06
AL772337.1	KCNK5	0.31	5.31E-06
AL772337.1	MELTF	0.311	5.04E-06
AL772337.1	MAFB	0.311	5.06E-06
AL772337.1	ZNF664	0.311	5.02E-06
AL772337.1	ARL4D	0.311	4.97E-06
AL772337.1	CENPF	0.311	5.25E-06
AL772337.1	TRAIP	0.311	4.93E-06
AL772337.1	MACROD2	0.311	5.10E-06
AL772337.1	GCK	0.311	4.96E-06
AL772337.1	IGF2BP2	0.312	4.78E-06
AL772337.1	ZFHX2	0.312	4.78E-06
AL772337.1	ERCC6L	0.312	4.70E-06
AL772337.1	CELF4	0.312	4.87E-06
AL772337.1	ZNF83	0.312	4.73E-06
AL772337.1	REXO5	0.312	4.90E-06
AL772337.1	ASF1B	0.312	4.62E-06
AL772337.1	CLSPN	0.312	4.66E-06
AL772337.1	MYPN	0.313	4.31E-06
AL772337.1	TMIE	0.313	4.49E-06
AL772337.1	PCLO	0.313	4.32E-06
AL772337.1	BRCA1	0.313	4.24E-06
AL772337.1	CAPN13	0.313	4.53E-06
AL772337.1	GPR137C	0.313	4.46E-06
AL772337.1	CDC25C	0.313	4.39E-06
AL772337.1	FZD5	0.314	3.97E-06
AL772337.1	FAM182B	0.314	3.99E-06
AL772337.1	PCSK9	0.314	4.16E-06
AL772337.1	MTFR2	0.314	3.95E-06
AL772337.1	PLBD1	0.315	3.83E-06
AL772337.1	PRKCE	0.315	3.70E-06
AL772337.1	GALNT13	0.315	3.73E-06
AL772337.1	MKRN2OS	0.315	3.68E-06
AL772337.1	UPK3A	0.315	3.89E-06
AL772337.1	NWD2	0.315	3.74E-06
AL772337.1	MAGEA12	0.316	3.42E-06
AL772337.1	LRRC31	0.316	3.57E-06
AL772337.1	ORC6	0.316	3.48E-06
AL772337.1	AFF2	0.316	3.43E-06

AL772337.1	GPAT2	0.316	3.44E-06
AL772337.1	RIPPLY3	0.317	3.36E-06
AL772337.1	SASS6	0.317	3.25E-06
AL772337.1	DSG2	0.317	3.20E-06
AL772337.1	PLCE1	0.317	3.14E-06
AL772337.1	CHML	0.317	3.19E-06
AL772337.1	SGCE	0.317	3.29E-06
AL772337.1	CPNE4	0.317	3.27E-06
AL772337.1	SLC22A15	0.318	2.94E-06
AL772337.1	CDC14A	0.318	2.93E-06
AL772337.1	AMIGO2	0.318	3.05E-06
AL772337.1	ANLN	0.318	2.98E-06
AL772337.1	SMC4	0.318	3.07E-06
AL772337.1	BRIP1	0.318	2.97E-06
AL772337.1	LYPD6B	0.318	3.12E-06
AL772337.1	RCAN3	0.318	2.94E-06
AL772337.1	PPP2R3A	0.319	2.71E-06
AL772337.1	PIMREG	0.319	2.84E-06
AL772337.1	WASF1	0.319	2.90E-06
AL772337.1	GGT2	0.319	2.90E-06
AL772337.1	CCNB1	0.319	2.85E-06
AL772337.1	SYNJ2	0.319	2.83E-06
AL772337.1	ENPP6	0.319	2.78E-06
AL772337.1	DNA2	0.319	2.72E-06
AL772337.1	C1QL1	0.32	2.69E-06
AL772337.1	AGPAT4	0.32	2.65E-06
AL772337.1	NCAPG	0.32	2.63E-06
AL772337.1	GPN3	0.32	2.60E-06
AL772337.1	CNTNAP1	0.32	2.51E-06
AL772337.1	DNMT3B	0.321	2.36E-06
AL772337.1	WDR76	0.321	2.42E-06
AL772337.1	BFSP2	0.321	2.33E-06
AL772337.1	SKP2	0.321	2.33E-06
AL772337.1	ACPT	0.322	2.25E-06
AL772337.1	MGAM2	0.322	2.28E-06
AL772337.1	PLCD4	0.322	2.32E-06
AL772337.1	KBTBD12	0.322	2.17E-06
AL772337.1	MYB	0.322	2.28E-06
AL772337.1	ASPM	0.323	2.03E-06
AL772337.1	NINL	0.324	1.97E-06
AL772337.1	LRRN4CL	0.324	1.98E-06
AL772337.1	CIB2	0.324	1.91E-06
AL772337.1	OXT	0.324	1.93E-06
AL772337.1	PCDHAC1	0.325	1.80E-06

AL772337.1	C21orf58	0.325	1.74E-06
AL772337.1	GLDC	0.326	1.64E-06
AL772337.1	CDKN3	0.326	1.68E-06
AL772337.1	RNF26	0.326	1.69E-06
AL772337.1	ULBP2	0.326	1.67E-06
AL772337.1	RAD51	0.326	1.66E-06
AL772337.1	KCNJ3	0.326	1.69E-06
AL772337.1	E2F2	0.326	1.59E-06
AL772337.1	ZNF248	0.327	1.57E-06
AL772337.1	E2F1	0.327	1.56E-06
AL772337.1	VIL1	0.327	1.51E-06
AL772337.1	NCAPH	0.327	1.48E-06
AL772337.1	ZPLD1	0.327	1.56E-06
AL772337.1	RFC4	0.327	1.47E-06
AL772337.1	ZNF695	0.327	1.57E-06
AL772337.1	BUB1B	0.328	1.37E-06
AL772337.1	CXXC4	0.328	1.46E-06
AL772337.1	ESCO2	0.328	1.35E-06
AL772337.1	CLCN1	0.328	1.40E-06
AL772337.1	CNR1	0.328	1.40E-06
AL772337.1	SALL4	0.328	1.39E-06
AL772337.1	HIC2	0.328	1.40E-06
AL772337.1	BIRC5	0.329	1.35E-06
AL772337.1	KLHL23	0.329	1.26E-06
AL772337.1	EYA1	0.329	1.32E-06
AL772337.1	ARHGAP11B	0.33	1.22E-06
AL772337.1	SYT7	0.33	1.17E-06
AL772337.1	GRHL1	0.33	1.16E-06
AL772337.1	MDGA2	0.33	1.22E-06
AL772337.1	ZNF257	0.33	1.17E-06
AL772337.1	FAM72A	0.331	1.11E-06
AL772337.1	DFNA5	0.331	1.07E-06
AL772337.1	C16orf59	0.331	1.13E-06
AL772337.1	KCNK13	0.331	1.12E-06
AL772337.1	NUSAP1	0.331	1.09E-06
AL772337.1	FHOD3	0.331	1.10E-06
AL772337.1	SYT1	0.331	1.12E-06
AL772337.1	DHDH	0.332	1.01E-06
AL772337.1	CCNYL1	0.332	1.04E-06
AL772337.1	SHCBP1	0.332	1.06E-06
AL772337.1	PNMA5	0.333	9.43E-07
AL772337.1	HLTF	0.333	9.66E-07
AL772337.1	DDHD1	0.333	9.12E-07
AL772337.1	C12orf56	0.334	9.02E-07

AL772337.1	CR1L	0.335	8.13E-07
AL772337.1	METTTL24	0.335	8.12E-07
AL772337.1	CEP55	0.335	8.33E-07
AL772337.1	RIBC2	0.335	7.78E-07
AL772337.1	MYBL1	0.336	7.31E-07
AL772337.1	CENPW	0.336	7.69E-07
AL772337.1	HAVCR1	0.336	7.30E-07
AL772337.1	RAD9B	0.336	7.41E-07
AL772337.1	EGLN3	0.336	7.46E-07
AL772337.1	CDCA3	0.336	7.33E-07
AL772337.1	CSAG1	0.336	7.63E-07
AL772337.1	RAD51C	0.336	7.60E-07
AL772337.1	CDC25B	0.337	6.80E-07
AL772337.1	ZWINT	0.337	6.80E-07
AL772337.1	FANCB	0.337	6.84E-07
AL772337.1	PDK3	0.337	6.62E-07
AL772337.1	ANKRD13A	0.337	6.65E-07
AL772337.1	PACSIN1	0.337	6.95E-07
AL772337.1	BUB1	0.337	7.07E-07
AL772337.1	GDPD4	0.337	6.70E-07
AL772337.1	POTEF	0.338	6.09E-07
AL772337.1	RMI2	0.338	6.26E-07
AL772337.1	DSCR8	0.338	6.17E-07
AL772337.1	SLIT1	0.339	5.74E-07
AL772337.1	MCOLN3	0.339	5.99E-07
AL772337.1	CNTN5	0.339	6.04E-07
AL772337.1	TRAM1L1	0.339	6.05E-07
AL772337.1	NCK2	0.339	5.75E-07
AL772337.1	KCTD6	0.339	5.63E-07
AL772337.1	RAD51AP1	0.34	5.29E-07
AL772337.1	ZNF630	0.34	5.57E-07
AL772337.1	CDC20	0.34	5.48E-07
AL772337.1	VRK1	0.34	5.42E-07
AL772337.1	FANCI	0.34	5.34E-07
AL772337.1	HJURP	0.34	5.22E-07
AL772337.1	XRCC2	0.34	5.25E-07
AL772337.1	APBB1IP	0.341	5.16E-07
AL772337.1	PCDH9	0.341	5.01E-07
AL772337.1	ERICH5	0.341	4.76E-07
AL772337.1	PRG4	0.341	5.11E-07
AL772337.1	SKA1	0.342	4.43E-07
AL772337.1	LMNB1	0.342	4.42E-07
AL772337.1	GSG2	0.342	4.71E-07
AL772337.1	PARPBP	0.342	4.63E-07

AL772337.1	ZDHHC13	0.342	4.52E-07
AL772337.1	ZNF93	0.343	4.27E-07
AL772337.1	SPIN1	0.343	4.34E-07
AL772337.1	CEP152	0.343	4.28E-07
AL772337.1	SMARCD1	0.343	4.19E-07
AL772337.1	DLGAP5	0.343	4.35E-07
AL772337.1	PRR11	0.344	3.91E-07
AL772337.1	KIF11	0.344	4.00E-07
AL772337.1	FAM178B	0.344	3.77E-07
AL772337.1	PFKFB4	0.344	3.95E-07
AL772337.1	NPFFR2	0.344	3.73E-07
AL772337.1	KCNK9	0.345	3.49E-07
AL772337.1	KNTC1	0.345	3.43E-07
AL772337.1	RFC5	0.345	3.66E-07
AL772337.1	C4orf19	0.345	3.59E-07
AL772337.1	HELLS	0.346	3.34E-07
AL772337.1	ZNF43	0.346	3.22E-07
AL772337.1	ZNF620	0.346	3.16E-07
AL772337.1	NCAPD2	0.346	3.37E-07
AL772337.1	INHBE	0.346	3.31E-07
AL772337.1	CCNE1	0.346	3.16E-07
AL772337.1	RRM2	0.346	3.40E-07
AL772337.1	SLC5A3	0.346	3.18E-07
AL772337.1	MCM2	0.346	3.21E-07
AL772337.1	SIPA1L3	0.347	2.98E-07
AL772337.1	CLEC2L	0.347	2.92E-07
AL772337.1	DNMT1	0.347	3.07E-07
AL772337.1	PRC1	0.347	3.07E-07
AL772337.1	ELOVL4	0.348	2.78E-07
AL772337.1	CKMT2	0.348	2.84E-07
AL772337.1	CDK1	0.348	2.74E-07
AL772337.1	E2F8	0.348	2.71E-07
AL772337.1	ARID3A	0.349	2.63E-07
AL772337.1	FBXO5	0.349	2.61E-07
AL772337.1	PARM1	0.349	2.64E-07
AL772337.1	CCNB2	0.349	2.48E-07
AL772337.1	ANGEL1	0.349	2.63E-07
AL772337.1	ZWILCH	0.349	2.63E-07
AL772337.1	FEN1	0.349	2.46E-07
AL772337.1	FGFR2	0.35	2.30E-07
AL772337.1	UHRF1	0.35	2.42E-07
AL772337.1	NUAK1	0.35	2.28E-07
AL772337.1	MKI67	0.35	2.25E-07
AL772337.1	DTX4	0.35	2.35E-07

AL772337.1	TUBA3E	0.351	2.11E-07
AL772337.1	ZSCAN5B	0.351	2.12E-07
AL772337.1	GPR88	0.352	1.99E-07
AL772337.1	PHEX	0.352	1.98E-07
AL772337.1	FAM49A	0.352	2.02E-07
AL772337.1	NIPAL1	0.352	2.04E-07
AL772337.1	CLGN	0.352	2.00E-07
AL772337.1	TEX11	0.352	2.03E-07
AL772337.1	TIMELESS	0.353	1.86E-07
AL772337.1	MIS18A	0.354	1.73E-07
AL772337.1	MCM8	0.355	1.54E-07
AL772337.1	DLG3	0.355	1.56E-07
AL772337.1	IL20RB	0.355	1.49E-07
AL772337.1	ZNF391	0.355	1.50E-07
AL772337.1	EPHA1	0.356	1.35E-07
AL772337.1	TSPAN3	0.356	1.44E-07
AL772337.1	PTGFR	0.356	1.44E-07
AL772337.1	CCDC150	0.356	1.42E-07
AL772337.1	SLC26A2	0.356	1.40E-07
AL772337.1	SLC5A10	0.356	1.46E-07
AL772337.1	MAMSTR	0.357	1.31E-07
AL772337.1	FANCC	0.357	1.33E-07
AL772337.1	OSBPL6	0.357	1.30E-07
AL772337.1	ZDHHC14	0.358	1.23E-07
AL772337.1	CENPI	0.358	1.14E-07
AL772337.1	NLGN4X	0.358	1.14E-07
AL772337.1	KIF4A	0.358	1.14E-07
AL772337.1	TRIM59	0.359	1.06E-07
AL772337.1	NEB	0.359	1.09E-07
AL772337.1	RAD54L	0.359	1.10E-07
AL772337.1	FIGN	0.36	1.01E-07
AL772337.1	FADS2	0.36	9.74E-08
AL772337.1	SYT17	0.36	1.03E-07
AL772337.1	PLAGL2	0.36	9.58E-08
AL772337.1	C17orf53	0.36	1.01E-07
AL772337.1	FBXO40	0.36	1.02E-07
AL772337.1	SGO2	0.361	9.42E-08
AL772337.1	PLCXD1	0.361	9.08E-08
AL772337.1	TCP10L2	0.361	9.16E-08
AL772337.1	PLEKHG6	0.361	8.87E-08
AL772337.1	LRR1	0.361	8.90E-08
AL772337.1	FCRLA	0.362	8.48E-08
AL772337.1	CENPE	0.362	8.43E-08
AL772337.1	ACER3	0.362	8.53E-08

AL772337.1	CHRD1	0.362	8.58E-08
AL772337.1	SUN3	0.362	8.60E-08
AL772337.1	KIF18A	0.362	8.08E-08
AL772337.1	MTMR7	0.363	7.37E-08
AL772337.1	NFATC2	0.363	7.64E-08
AL772337.1	SLC1A7	0.363	7.43E-08
AL772337.1	ZNF85	0.363	7.54E-08
AL772337.1	TENM1	0.363	7.73E-08
AL772337.1	HAL	0.364	6.89E-08
AL772337.1	TMEM237	0.364	7.19E-08
AL772337.1	CNGB3	0.364	7.30E-08
AL772337.1	FBP2	0.364	7.09E-08
AL772337.1	GPSM2	0.364	6.71E-08
AL772337.1	C4orf46	0.364	7.20E-08
AL772337.1	KIF15	0.365	6.20E-08
AL772337.1	AC092042.3	0.365	6.16E-08
AL772337.1	CDCA5	0.365	6.13E-08
AL772337.1	FADS1	0.365	6.64E-08
AL772337.1	GTSF1	0.366	6.07E-08
AL772337.1	PLK1	0.366	5.74E-08
AL772337.1	VEGFB	0.367	5.21E-08
AL772337.1	FOXM1	0.368	5.11E-08
AL772337.1	AVPR1A	0.369	4.53E-08
AL772337.1	DMC1	0.369	4.66E-08
AL772337.1	AUNIP	0.369	4.28E-08
AL772337.1	KIF23	0.369	4.64E-08
AL772337.1	GPR19	0.369	4.31E-08
AL772337.1	SHROOM2	0.37	4.02E-08
AL772337.1	DYRK2	0.37	4.17E-08
AL772337.1	MUM1L1	0.37	4.01E-08
AL772337.1	ADGRD1	0.371	3.82E-08
AL772337.1	CDC7	0.371	3.69E-08
AL772337.1	LYPD6	0.371	3.75E-08
AL772337.1	EME1	0.371	3.75E-08
AL772337.1	GEN1	0.371	3.80E-08
AL772337.1	ENHO	0.371	3.88E-08
AL772337.1	ECT2	0.372	3.33E-08
AL772337.1	PSPH	0.372	3.51E-08
AL772337.1	XRCC3	0.372	3.38E-08
AL772337.1	FRMPD1	0.372	3.49E-08
AL772337.1	EDA	0.372	3.53E-08
AL772337.1	PIFO	0.373	3.11E-08
AL772337.1	TOP2A	0.373	2.98E-08
AL772337.1	ACSS1	0.373	3.17E-08

AL772337.1	ZNF724	0.373	3.12E-08
AL772337.1	MAGEA8	0.374	2.93E-08
AL772337.1	MYO1D	0.374	2.95E-08
AL772337.1	LYG2	0.374	2.95E-08
AL772337.1	FCRLB	0.374	2.73E-08
AL772337.1	GTSE1	0.375	2.55E-08
AL772337.1	CSRNP3	0.375	2.55E-08
AL772337.1	ATAD5	0.375	2.70E-08
AL772337.1	WDHD1	0.375	2.52E-08
AL772337.1	CEP78	0.375	2.54E-08
AL772337.1	IGSF3	0.376	2.43E-08
AL772337.1	TROAP	0.376	2.33E-08
AL772337.1	CDC25A	0.376	2.37E-08
AL772337.1	ESPL1	0.377	2.25E-08
AL772337.1	ASRGL1	0.377	2.10E-08
AL772337.1	BCORL1	0.378	1.99E-08
AL772337.1	STIL	0.378	1.89E-08
AL772337.1	ZNF714	0.378	1.94E-08
AL772337.1	ATRNL1	0.378	1.97E-08
AL772337.1	ARHGAP11A	0.379	1.71E-08
AL772337.1	PEG10	0.379	1.83E-08
AL772337.1	ZNF107	0.379	1.84E-08
AL772337.1	MMS22L	0.38	1.69E-08
AL772337.1	GUCY2D	0.38	1.65E-08
AL772337.1	OIP5	0.38	1.63E-08
AL772337.1	PRKCI	0.38	1.64E-08
AL772337.1	KCNMB3	0.381	1.54E-08
AL772337.1	PPP2R2B	0.381	1.47E-08
AL772337.1	NSD2	0.381	1.49E-08
AL772337.1	DEPDC1	0.381	1.46E-08
AL772337.1	SGO1	0.381	1.45E-08
AL772337.1	FCGR2B	0.381	1.55E-08
AL772337.1	TPX2	0.382	1.33E-08
AL772337.1	SNX22	0.382	1.34E-08
AL772337.1	FAM198A	0.382	1.37E-08
AL772337.1	CPNE6	0.383	1.28E-08
AL772337.1	CDCA2	0.383	1.28E-08
AL772337.1	SPDL1	0.383	1.25E-08
AL772337.1	AGBL2	0.384	1.11E-08
AL772337.1	CDCA8	0.385	9.70E-09
AL772337.1	CNTD2	0.385	1.05E-08
AL772337.1	GUCY2C	0.385	1.04E-08
AL772337.1	CDK20	0.386	8.93E-09
AL772337.1	FAM72B	0.386	9.21E-09

AL772337.1	CYP4F22	0.387	8.30E-09
AL772337.1	CCNF	0.387	8.03E-09
AL772337.1	PPM1H	0.387	8.38E-09
AL772337.1	ACOT11	0.388	7.96E-09
AL772337.1	PLK4	0.388	7.89E-09
AL772337.1	TRIM9	0.388	7.96E-09
AL772337.1	ZNF431	0.389	7.18E-09
AL772337.1	MPP2	0.389	7.22E-09
AL772337.1	RBL1	0.39	6.42E-09
AL772337.1	MYBL2	0.39	6.05E-09
AL772337.1	TTK	0.39	6.51E-09
AL772337.1	TICRR	0.39	6.22E-09
AL772337.1	DNAI1	0.39	6.39E-09
AL772337.1	SMC1B	0.39	6.00E-09
AL772337.1	CENPO	0.391	5.90E-09
AL772337.1	FANCD2	0.391	5.61E-09
AL772337.1	CKAP2L	0.391	5.82E-09
AL772337.1	ZNF519	0.392	4.94E-09
AL772337.1	MCM10	0.393	4.90E-09
AL772337.1	CBFA2T2	0.393	4.83E-09
AL772337.1	GPX7	0.394	4.38E-09
AL772337.1	TACC3	0.394	4.33E-09
AL772337.1	TMEM72	0.394	4.21E-09
AL772337.1	ELOVL3	0.395	3.96E-09
AL772337.1	STK31	0.395	3.98E-09
AL772337.1	RTN4RL2	0.397	3.24E-09
AL772337.1	GINS1	0.397	3.32E-09
AL772337.1	TCP10	0.398	2.76E-09
AL772337.1	BLM	0.399	2.71E-09
AL772337.1	GAS2L3	0.399	2.60E-09
AL772337.1	TBX15	0.4	2.47E-09
AL772337.1	MAFA	0.4	2.27E-09
AL772337.1	CCNA2	0.401	2.04E-09
AL772337.1	PIF1	0.401	2.12E-09
AL772337.1	KIF6	0.401	2.12E-09
AL772337.1	SYNE3	0.402	1.92E-09
AL772337.1	ENPP5	0.403	1.72E-09
AL772337.1	WDR62	0.403	1.71E-09
AL772337.1	CENPA	0.405	1.38E-09
AL772337.1	SMPDL3B	0.406	1.33E-09
AL772337.1	MEP1A	0.406	1.32E-09
AL772337.1	FER1L5	0.406	1.23E-09
AL772337.1	PLXNC1	0.407	1.13E-09
AL772337.1	ZNF492	0.407	1.12E-09

AL772337.1	LRRIQ4	0.407	1.11E-09
AL772337.1	ZNF730	0.408	1.03E-09
AL772337.1	C1orf186	0.41	8.80E-10
AL772337.1	STK26	0.41	8.45E-10
AL772337.1	SALL2	0.411	7.45E-10
AL772337.1	NEMP1	0.411	7.91E-10
AL772337.1	GIN3	0.411	7.87E-10
AL772337.1	CDC6	0.411	7.78E-10
AL772337.1	KIF18B	0.412	7.11E-10
AL772337.1	RTKN2	0.413	6.20E-10
AL772337.1	RNF186	0.414	5.87E-10
AL772337.1	IGF2BP3	0.414	5.42E-10
AL772337.1	PPM1E	0.415	5.06E-10
AL772337.1	ZNF738	0.417	4.08E-10
AL772337.1	PKDCC	0.422	2.38E-10
AL772337.1	KIAA1524	0.422	2.30E-10
AL772337.1	ILDR1	0.423	2.16E-10
AL772337.1	ZNF311	0.423	2.15E-10
AL772337.1	ARID3B	0.424	1.95E-10
AL772337.1	SLC43A3	0.424	1.89E-10
AL772337.1	FOXN4	0.426	1.61E-10
AL772337.1	COL28A1	0.426	1.49E-10
AL772337.1	POMGNT2	0.426	1.50E-10
AL772337.1	FOXD2	0.432	8.19E-11
AL772337.1	PTPRQ	0.438	4.25E-11
AL772337.1	POLQ	0.438	4.30E-11
AL772337.1	PROKR1	0.439	3.80E-11
AL772337.1	IGSF1	0.442	2.56E-11
AL772337.1	DNAH3	0.442	2.72E-11
AL772337.1	NAALAD2	0.446	1.70E-11
AL772337.1	RPL10L	0.447	1.41E-11
AL772337.1	ZNF681	0.452	8.12E-12
AL772337.1	GPC5	0.454	6.14E-12
AL772337.1	SSC4D	0.455	6.01E-12
AL772337.1	SLC2A13	0.459	3.32E-12
AL772337.1	DQX1	0.46	2.95E-12
AL772337.1	SLC5A12	0.46	3.07E-12
AL772337.1	POLE2	0.461	2.64E-12
AL772337.1	RTL9	0.461	2.91E-12
AL772337.1	SLCO4C1	0.461	2.59E-12
AL772337.1	TCF7L1	0.464	1.80E-12
AL772337.1	FMO1	0.466	1.54E-12
AL772337.1	SPAG5	0.467	1.23E-12
AL772337.1	RASSF3	0.47	9.37E-13

AL772337.1	RNFT2	0.47	9.25E-13
AL772337.1	TRHDE	0.471	7.68E-13
AL772337.1	NAALADL1	0.473	5.94E-13
AL772337.1	CCDC163	0.481	2.15E-13
AL772337.1	TET1	0.494	3.86E-14
HOXA-AS3	HPD	-0.455	5.61E-12
HOXA-AS3	GLYAT	-0.414	5.41E-10
HOXA-AS3	SLC27A5	-0.408	1.09E-09
HOXA-AS3	CRADD	-0.385	9.75E-09
HOXA-AS3	ACSM5	-0.385	1.03E-08
HOXA-AS3	HAGH	-0.384	1.09E-08
HOXA-AS3	DEXI	-0.384	1.15E-08
HOXA-AS3	ABHD14B	-0.383	1.20E-08
HOXA-AS3	SLC28A1	-0.382	1.35E-08
HOXA-AS3	RBP5	-0.378	1.98E-08
HOXA-AS3	HSD17B8	-0.377	2.13E-08
HOXA-AS3	ALDH1L1	-0.375	2.58E-08
HOXA-AS3	ASPDH	-0.373	3.12E-08
HOXA-AS3	PEX11G	-0.372	3.26E-08
HOXA-AS3	SLC10A1	-0.371	3.74E-08
HOXA-AS3	CYP8B1	-0.37	3.92E-08
HOXA-AS3	UQCRC2	-0.369	4.39E-08
HOXA-AS3	CES2	-0.369	4.64E-08
HOXA-AS3	LDHD	-0.368	5.07E-08
HOXA-AS3	HMGCL	-0.367	5.26E-08
HOXA-AS3	TUFM	-0.366	5.70E-08
HOXA-AS3	MGST1	-0.366	5.71E-08
HOXA-AS3	HGD	-0.365	6.21E-08
HOXA-AS3	RBP4	-0.364	6.78E-08
HOXA-AS3	FAHD1	-0.364	7.24E-08
HOXA-AS3	BAAT	-0.363	7.41E-08
HOXA-AS3	PQLC1	-0.362	8.42E-08
HOXA-AS3	GHITM	-0.362	8.06E-08
HOXA-AS3	ACBD4	-0.362	8.34E-08
HOXA-AS3	DHRS12	-0.362	8.48E-08
HOXA-AS3	HSD17B6	-0.36	1.04E-07
HOXA-AS3	ACSM2A	-0.359	1.10E-07
HOXA-AS3	MLYCD	-0.357	1.30E-07
HOXA-AS3	LEPROT	-0.356	1.41E-07
HOXA-AS3	DHODH	-0.356	1.40E-07
HOXA-AS3	AKR7A3	-0.355	1.55E-07
HOXA-AS3	TGFBR3L	-0.354	1.72E-07
HOXA-AS3	ACAT1	-0.354	1.63E-07
HOXA-AS3	RDH5	-0.353	1.78E-07

HOXA-AS3	GPT2	-0.353	1.80E-07
HOXA-AS3	MCEE	-0.352	1.97E-07
HOXA-AS3	SUCLG2	-0.352	2.05E-07
HOXA-AS3	ALDH2	-0.352	1.98E-07
HOXA-AS3	TAT	-0.351	2.16E-07
HOXA-AS3	QDPR	-0.35	2.30E-07
HOXA-AS3	APOC4	-0.35	2.37E-07
HOXA-AS3	DNAJA2	-0.35	2.40E-07
HOXA-AS3	RBKS	-0.35	2.34E-07
HOXA-AS3	HAO1	-0.349	2.63E-07
HOXA-AS3	RIDA	-0.348	2.88E-07
HOXA-AS3	MASP2	-0.348	2.76E-07
HOXA-AS3	ACYP2	-0.347	3.08E-07
HOXA-AS3	MRPL46	-0.346	3.32E-07
HOXA-AS3	HP	-0.346	3.28E-07
HOXA-AS3	OXNAD1	-0.345	3.49E-07
HOXA-AS3	43161	-0.345	3.46E-07
HOXA-AS3	PNPLA4	-0.344	3.92E-07
HOXA-AS3	APOF	-0.343	4.24E-07
HOXA-AS3	DECR1	-0.343	4.04E-07
HOXA-AS3	C11orf1	-0.34	5.55E-07
HOXA-AS3	BTD	-0.34	5.48E-07
HOXA-AS3	MOGAT2	-0.34	5.33E-07
HOXA-AS3	SDHB	-0.339	5.84E-07
HOXA-AS3	ANGPTL3	-0.338	6.27E-07
HOXA-AS3	SEC14L2	-0.337	6.83E-07
HOXA-AS3	POR	-0.337	6.79E-07
HOXA-AS3	RTP3	-0.337	6.81E-07
HOXA-AS3	CD81	-0.336	7.45E-07
HOXA-AS3	HSD11B1	-0.336	7.65E-07
HOXA-AS3	FAM107A	-0.335	7.90E-07
HOXA-AS3	MPG	-0.335	7.88E-07
HOXA-AS3	ADI1	-0.335	8.06E-07
HOXA-AS3	ZHX3	-0.335	7.90E-07
HOXA-AS3	GTF2IRD2B	-0.335	8.20E-07
HOXA-AS3	LIPC	-0.332	1.01E-06
HOXA-AS3	DEPDC7	-0.332	1.03E-06
HOXA-AS3	C11orf54	-0.332	1.00E-06
HOXA-AS3	ACSM2B	-0.331	1.12E-06
HOXA-AS3	AQP9	-0.331	1.08E-06
HOXA-AS3	MXI1	-0.33	1.18E-06
HOXA-AS3	SOD1	-0.33	1.25E-06
HOXA-AS3	TTC36	-0.328	1.39E-06
HOXA-AS3	HIBCH	-0.328	1.42E-06

HOXA-AS3	C16orf95	-0.328	1.39E-06
HOXA-AS3	SDHD	-0.327	1.49E-06
HOXA-AS3	ADH4	-0.326	1.68E-06
HOXA-AS3	TPRG1L	-0.326	1.58E-06
HOXA-AS3	CYB5D2	-0.326	1.65E-06
HOXA-AS3	IGSF23	-0.325	1.83E-06
HOXA-AS3	IGFBP2	-0.325	1.82E-06
HOXA-AS3	CYP4F2	-0.325	1.76E-06
HOXA-AS3	ABCG2	-0.325	1.73E-06
HOXA-AS3	GNPTG	-0.324	1.88E-06
HOXA-AS3	ADHFE1	-0.324	1.92E-06
HOXA-AS3	ITFG1	-0.323	2.10E-06
HOXA-AS3	TMEM254	-0.321	2.37E-06
HOXA-AS3	SLCO2B1	-0.321	2.37E-06
HOXA-AS3	ACAD10	-0.321	2.40E-06
HOXA-AS3	ZBTB16	-0.321	2.44E-06
HOXA-AS3	DMGDH	-0.32	2.51E-06
HOXA-AS3	ACAA2	-0.32	2.63E-06
HOXA-AS3	CYP2A6	-0.32	2.58E-06
HOXA-AS3	KYAT3	-0.32	2.59E-06
HOXA-AS3	STARD10	-0.32	2.54E-06
HOXA-AS3	EHHADH	-0.319	2.77E-06
HOXA-AS3	NTHL1	-0.319	2.76E-06
HOXA-AS3	ECM2	-0.319	2.75E-06
HOXA-AS3	SRD5A2	-0.319	2.87E-06
HOXA-AS3	NUDT7	-0.319	2.79E-06
HOXA-AS3	PANK1	-0.319	2.89E-06
HOXA-AS3	CDO1	-0.318	3.05E-06
HOXA-AS3	C8A	-0.318	2.93E-06
HOXA-AS3	GLOD5	-0.318	3.01E-06
HOXA-AS3	FAHD2A	-0.317	3.25E-06
HOXA-AS3	MAIP1	-0.317	3.36E-06
HOXA-AS3	PEBP1	-0.317	3.34E-06
HOXA-AS3	FTCDNL1	-0.317	3.31E-06
HOXA-AS3	TK2	-0.316	3.54E-06
HOXA-AS3	CYB5A	-0.316	3.55E-06
HOXA-AS3	RNASE4	-0.316	3.57E-06
HOXA-AS3	CADM1	-0.316	3.41E-06
HOXA-AS3	GLYATL1	-0.316	3.44E-06
HOXA-AS3	TMEM59	-0.316	3.52E-06
HOXA-AS3	STK16	-0.316	3.47E-06
HOXA-AS3	AC009119.2	-0.315	3.66E-06
HOXA-AS3	CDIPT	-0.314	4.07E-06
HOXA-AS3	CYP2J2	-0.314	4.12E-06

HOXA-AS3	BNIP3	-0.314	4.13E-06
HOXA-AS3	GCDH	-0.313	4.36E-06
HOXA-AS3	KLHL2	-0.312	4.85E-06
HOXA-AS3	AKR1C1	-0.312	4.74E-06
HOXA-AS3	PIGV	-0.312	4.57E-06
HOXA-AS3	ECI2	-0.312	4.68E-06
HOXA-AS3	AMFR	-0.311	5.20E-06
HOXA-AS3	NIT2	-0.311	5.05E-06
HOXA-AS3	GTF2IRD2	-0.311	5.19E-06
HOXA-AS3	HIGD1A	-0.31	5.57E-06
HOXA-AS3	ECHDC2	-0.31	5.57E-06
HOXA-AS3	CYP4A11	-0.31	5.48E-06
HOXA-AS3	MT-ATP6	-0.31	5.64E-06
HOXA-AS3	FDX1	-0.309	6.09E-06
HOXA-AS3	BCKDK	-0.309	5.91E-06
HOXA-AS3	LHPP	-0.309	5.83E-06
HOXA-AS3	GALNT15	-0.309	6.07E-06
HOXA-AS3	RAMP3	-0.309	5.95E-06
HOXA-AS3	LIAS	-0.308	6.47E-06
HOXA-AS3	NDUFAB1	-0.308	6.20E-06
HOXA-AS3	PCTP	-0.308	6.34E-06
HOXA-AS3	BDH1	-0.308	6.27E-06
HOXA-AS3	GABARAPL1	-0.307	7.05E-06
HOXA-AS3	CLYBL	-0.307	7.04E-06
HOXA-AS3	ACAA1	-0.306	7.19E-06
HOXA-AS3	LONP2	-0.306	7.33E-06
HOXA-AS3	MT-CO3	-0.305	8.06E-06
HOXA-AS3	VKORC1	-0.305	8.04E-06
HOXA-AS3	SORBS2	-0.305	7.80E-06
HOXA-AS3	CRYL1	-0.305	7.74E-06
HOXA-AS3	DBT	-0.305	7.62E-06
HOXA-AS3	C11orf71	-0.305	8.05E-06
HOXA-AS3	SLC1A2	-0.305	7.79E-06
HOXA-AS3	CDC37L1	-0.305	8.06E-06
HOXA-AS3	HERPUD1	-0.304	8.36E-06
HOXA-AS3	HPR	-0.304	8.47E-06
HOXA-AS3	CTBS	-0.304	8.57E-06
HOXA-AS3	CFHR4	-0.304	8.48E-06
HOXA-AS3	RHOB	-0.304	8.16E-06
HOXA-AS3	MAT1A	-0.304	8.26E-06
HOXA-AS3	STARD5	-0.303	9.07E-06
HOXA-AS3	EMCN	-0.302	9.99E-06
HOXA-AS3	SFXN1	-0.302	9.65E-06
HOXA-AS3	GFOD2	-0.302	1.01E-05

HOXA-AS3	MT-ND3	-0.302	1.01E-05
HOXA-AS3	FOXD4	0.301	1.05E-05
HOXA-AS3	XRCC3	0.301	1.07E-05
HOXA-AS3	TRPC1	0.301	1.06E-05
HOXA-AS3	MELK	0.301	1.04E-05
HOXA-AS3	INCENP	0.301	1.06E-05
HOXA-AS3	CBX1	0.301	1.03E-05
HOXA-AS3	RIT1	0.302	9.72E-06
HOXA-AS3	KIF4A	0.302	9.68E-06
HOXA-AS3	GAREM2	0.302	9.97E-06
HOXA-AS3	GMPS	0.303	8.99E-06
HOXA-AS3	NFATC2	0.303	8.83E-06
HOXA-AS3	UBA2	0.304	8.31E-06
HOXA-AS3	PIMREG	0.304	8.29E-06
HOXA-AS3	CYP26B1	0.304	8.27E-06
HOXA-AS3	CDCA3	0.304	8.30E-06
HOXA-AS3	BUB1	0.304	8.55E-06
HOXA-AS3	KRBA1	0.304	8.32E-06
HOXA-AS3	HJURP	0.304	8.68E-06
HOXA-AS3	HTR3A	0.305	7.64E-06
HOXA-AS3	NDC80	0.305	7.78E-06
HOXA-AS3	WASF1	0.305	7.84E-06
HOXA-AS3	MPP2	0.305	7.82E-06
HOXA-AS3	IGF2BP2	0.306	7.25E-06
HOXA-AS3	PCDHA3	0.306	7.51E-06
HOXA-AS3	PRR11	0.306	7.19E-06
HOXA-AS3	PLK4	0.306	7.24E-06
HOXA-AS3	FANCI	0.306	7.08E-06
HOXA-AS3	PEG10	0.307	6.79E-06
HOXA-AS3	USP21	0.307	6.67E-06
HOXA-AS3	NAA40	0.307	6.96E-06
HOXA-AS3	NCAPD2	0.307	6.92E-06
HOXA-AS3	RAVER2	0.308	6.44E-06
HOXA-AS3	EGLN3	0.308	6.49E-06
HOXA-AS3	KIF14	0.309	5.99E-06
HOXA-AS3	FBXO5	0.309	5.91E-06
HOXA-AS3	PHF19	0.309	5.71E-06
HOXA-AS3	ZNF169	0.309	6.10E-06
HOXA-AS3	BEND3	0.309	5.69E-06
HOXA-AS3	MYB	0.309	6.02E-06
HOXA-AS3	GP2	0.31	5.57E-06
HOXA-AS3	KHDC1	0.31	5.50E-06
HOXA-AS3	SKA1	0.311	4.97E-06
HOXA-AS3	FGFR3	0.311	5.08E-06

HOXA-AS3	KLF5	0.311	5.18E-06
HOXA-AS3	XRCC2	0.311	5.19E-06
HOXA-AS3	KIF18A	0.311	5.23E-06
HOXA-AS3	CASP2	0.312	4.70E-06
HOXA-AS3	KIF20A	0.312	4.71E-06
HOXA-AS3	RIBC2	0.312	4.85E-06
HOXA-AS3	DCHS2	0.313	4.53E-06
HOXA-AS3	MMS22L	0.314	4.19E-06
HOXA-AS3	SH3BP1	0.314	3.93E-06
HOXA-AS3	DNMT3B	0.315	3.66E-06
HOXA-AS3	ERICH4	0.315	3.72E-06
HOXA-AS3	TROAP	0.315	3.86E-06
HOXA-AS3	FER1L6	0.315	3.85E-06
HOXA-AS3	CENPI	0.316	3.51E-06
HOXA-AS3	TMEM237	0.316	3.63E-06
HOXA-AS3	PLSCR2	0.316	3.63E-06
HOXA-AS3	GSG2	0.316	3.44E-06
HOXA-AS3	ASF1B	0.316	3.45E-06
HOXA-AS3	MAU2	0.317	3.16E-06
HOXA-AS3	SPATS2	0.317	3.17E-06
HOXA-AS3	PQLC2L	0.317	3.30E-06
HOXA-AS3	TRAF5	0.317	3.16E-06
HOXA-AS3	ZBTB34	0.317	3.29E-06
HOXA-AS3	SOX2	0.318	3.03E-06
HOXA-AS3	BAZ2A	0.318	3.00E-06
HOXA-AS3	ILF3	0.318	3.02E-06
HOXA-AS3	ZNF860	0.318	3.02E-06
HOXA-AS3	DTX3	0.318	2.92E-06
HOXA-AS3	FUT2	0.319	2.73E-06
HOXA-AS3	GLP1R	0.319	2.76E-06
HOXA-AS3	TACC3	0.319	2.88E-06
HOXA-AS3	CDC25A	0.319	2.90E-06
HOXA-AS3	FEN1	0.319	2.78E-06
HOXA-AS3	CDK1	0.32	2.51E-06
HOXA-AS3	TMPRSS3	0.321	2.37E-06
HOXA-AS3	PRKCI	0.321	2.44E-06
HOXA-AS3	MAPK13	0.322	2.25E-06
HOXA-AS3	RHNO1	0.322	2.23E-06
HOXA-AS3	HELLS	0.322	2.28E-06
HOXA-AS3	AURKB	0.322	2.21E-06
HOXA-AS3	CDCA7L	0.323	2.07E-06
HOXA-AS3	MYBL2	0.323	2.02E-06
HOXA-AS3	KIAA1524	0.323	2.05E-06
HOXA-AS3	MKI67	0.323	2.08E-06

HOXA-AS3	NUP188	0.324	1.98E-06
HOXA-AS3	NUP210	0.324	1.98E-06
HOXA-AS3	HAUS5	0.325	1.74E-06
HOXA-AS3	PSPH	0.325	1.75E-06
HOXA-AS3	NUF2	0.325	1.72E-06
HOXA-AS3	MYCBPAP	0.325	1.74E-06
HOXA-AS3	GCNT1	0.326	1.68E-06
HOXA-AS3	SGSM1	0.326	1.60E-06
HOXA-AS3	KIFC1	0.328	1.44E-06
HOXA-AS3	CDCA8	0.329	1.28E-06
HOXA-AS3	CENPL	0.329	1.30E-06
HOXA-AS3	TOP2A	0.329	1.28E-06
HOXA-AS3	EZH2	0.329	1.29E-06
HOXA-AS3	SGO2	0.33	1.15E-06
HOXA-AS3	DZIP1L	0.33	1.16E-06
HOXA-AS3	IGF2BP3	0.33	1.21E-06
HOXA-AS3	HIC2	0.33	1.16E-06
HOXA-AS3	CENPE	0.331	1.09E-06
HOXA-AS3	PAK4	0.332	1.01E-06
HOXA-AS3	PTBP3	0.332	1.06E-06
HOXA-AS3	KEL	0.333	9.51E-07
HOXA-AS3	UBE2C	0.334	8.60E-07
HOXA-AS3	RBL1	0.335	8.27E-07
HOXA-AS3	CTNND2	0.335	7.80E-07
HOXA-AS3	KIF23	0.335	8.03E-07
HOXA-AS3	STXBP4	0.335	8.17E-07
HOXA-AS3	ASPM	0.336	7.32E-07
HOXA-AS3	WDR62	0.336	7.61E-07
HOXA-AS3	TICRR	0.337	6.95E-07
HOXA-AS3	KCNS1	0.338	6.38E-07
HOXA-AS3	BUB1B	0.338	6.23E-07
HOXA-AS3	CPSF6	0.338	6.41E-07
HOXA-AS3	ARHGAP11A	0.339	5.95E-07
HOXA-AS3	ARHGAP33	0.34	5.48E-07
HOXA-AS3	COL9A2	0.34	5.46E-07
HOXA-AS3	PLAGL2	0.34	5.47E-07
HOXA-AS3	MCOLN3	0.341	4.84E-07
HOXA-AS3	MAPK8IP2	0.341	5.16E-07
HOXA-AS3	SRRT	0.341	4.90E-07
HOXA-AS3	KIF11	0.342	4.54E-07
HOXA-AS3	RIPPLY3	0.343	4.23E-07
HOXA-AS3	DLGAP5	0.343	4.38E-07
HOXA-AS3	SKAP2	0.344	3.97E-07
HOXA-AS3	ARHGAP11B	0.344	4.03E-07

HOXA-AS3	CDCA2	0.344	3.75E-07
HOXA-AS3	CDKN3	0.344	3.96E-07
HOXA-AS3	GPR160	0.345	3.55E-07
HOXA-AS3	HOXD1	0.346	3.23E-07
HOXA-AS3	UBAP2L	0.347	2.90E-07
HOXA-AS3	TRIM59	0.347	2.95E-07
HOXA-AS3	ANLN	0.349	2.56E-07
HOXA-AS3	SSTR3	0.35	2.27E-07
HOXA-AS3	RNF144A	0.351	2.19E-07
HOXA-AS3	NSD2	0.351	2.22E-07
HOXA-AS3	CEP55	0.351	2.15E-07
HOXA-AS3	FANCG	0.352	2.07E-07
HOXA-AS3	SLC37A1	0.354	1.70E-07
HOXA-AS3	WDHD1	0.355	1.49E-07
HOXA-AS3	ARID3A	0.357	1.31E-07
HOXA-AS3	ARHGEF39	0.358	1.21E-07
HOXA-AS3	BLM	0.358	1.20E-07
HOXA-AS3	RUSC1	0.358	1.16E-07
HOXA-AS3	SHOX2	0.358	1.19E-07
HOXA-AS3	CENPF	0.359	1.05E-07
HOXA-AS3	LMNB2	0.359	1.05E-07
HOXA-AS3	DMBT1	0.359	1.08E-07
HOXA-AS3	TPX2	0.36	9.52E-08
HOXA-AS3	GAS2L3	0.36	1.02E-07
HOXA-AS3	MGAM2	0.363	7.43E-08
HOXA-AS3	GATA4	0.365	6.58E-08
HOXA-AS3	SMARCD1	0.365	6.52E-08
HOXA-AS3	KIF18B	0.367	5.46E-08
HOXA-AS3	DDHD1	0.369	4.61E-08
HOXA-AS3	PPFIA4	0.37	4.00E-08
HOXA-AS3	DMBX1	0.372	3.42E-08
HOXA-AS3	ZNF792	0.372	3.56E-08
HOXA-AS3	HOXA2	0.372	3.28E-08
HOXA-AS3	HOXA1	0.372	3.27E-08
HOXA-AS3	IL12A	0.372	3.39E-08
HOXA-AS3	MEP1A	0.373	3.19E-08
HOXA-AS3	CDCA4	0.373	3.19E-08
HOXA-AS3	IL20RA	0.375	2.49E-08
HOXA-AS3	ZIC2	0.376	2.32E-08
HOXA-AS3	BCL9	0.378	1.95E-08
HOXA-AS3	HMGA2	0.378	2.04E-08
HOXA-AS3	C7orf31	0.378	2.00E-08
HOXA-AS3	SALL4	0.378	2.03E-08
HOXA-AS3	OSBP2	0.379	1.84E-08

HOXA-AS3	PLEKHH2	0.379	1.77E-08
HOXA-AS3	TTL6	0.384	1.14E-08
HOXA-AS3	HOXA9	0.387	8.32E-09
HOXA-AS3	GTSE1	0.389	7.09E-09
HOXA-AS3	HOXB7	0.394	4.23E-09
HOXA-AS3	ZIC5	0.402	1.86E-09
HOXA-AS3	SAPCD2	0.404	1.51E-09
HOXA-AS3	SFI1	0.411	7.89E-10
HOXA-AS3	COLCA2	0.434	6.38E-11
HOXA-AS3	HOXA11	0.462	2.45E-12
HOXA-AS3	HOXA3	0.479	2.98E-13
HOXA-AS3	HOXA10	0.519	1.21E-15
HOXA-AS3	HOXA7	0.539	5.22E-17
HOXA-AS3	HOXA5	0.688	2.38E-30
Z93930.3	SNX19	-0.408	1.04E-09
Z93930.3	HERC2	-0.346	3.15E-07
Z93930.3	LIG4	-0.34	5.57E-07
Z93930.3	C11orf42	-0.336	7.50E-07
Z93930.3	TSSK4	-0.303	8.84E-06
Z93930.3	DNAJC3	-0.303	8.78E-06
Z93930.3	ANKRD39	0.301	1.06E-05
Z93930.3	ZNF771	0.305	7.98E-06
Z93930.3	TMEM160	0.307	6.75E-06
Z93930.3	METTL26	0.309	5.84E-06
Z93930.3	ORAI3	0.313	4.33E-06

lncRNA, long non-coding RNA; OS, overall survival; HCC, hepatocellular carcinoma.