

Table S1. The gene lists of positive correlation with EIF4A1

Gene	r	Gene	r	Gene	r	Gene	r
EIF5AL1	0.75	WRAP53	0.46	RPL7L1	0.43	NOL10	0.41
TSR1	0.71	GSG2	0.46	PAK1IP1	0.43	FARSB	0.41
C1QBP	0.69	PA2G4	0.46	PPIL1	0.42	PWP1	0.41
SCO1	0.66	CSE1L	0.45	DBF4	0.42	CDC25A	0.41
EIF5A	0.66	URB2	0.45	PPAT	0.42	C11orf82	0.41
SEN3	0.66	RPP40	0.45	ATIC	0.42	UHRF1	0.41
YWHAE	0.62	EEF1E1	0.45	XPO5	0.42	C10orf119	0.41
NUP88	0.61	FAM64A	0.45	DDX18	0.42	THOC4	0.41
PHF23	0.6	CDCA5	0.45	CCNA2	0.42	UNG	0.4
ELAC2	0.55	MRPL44	0.45	CHEK1	0.42	DNAJC9	0.4
AURKB	0.54	HSPD1	0.45	PRPF40A	0.42	RRM2	0.4
COX10	0.54	EIF3J	0.44	NCAPD2	0.42	EIF2S2	0.4
FXR2	0.54	NOL7	0.44	NUDCD1	0.42	KPNA2	0.4
DHX33	0.54	TMEM93	0.44	NDUFS1	0.42	GEMIN4	0.4
PFN1	0.53	SRPK1	0.44	CENPH	0.42	NUP153	0.4
COPS3	0.53	CCT4	0.44	CENPO	0.42	ZNF286A	0.4
UBE2G1	0.53	MCM4	0.44	MCM10	0.42	DTL	0.4
WDR43	0.52	ABCE1	0.44	NOP56	0.42	NUDT15	0.4
PSMB6	0.51	SSRP1	0.44	PLK1	0.42	GRPEL1	0.4
MYBBP1A	0.5	MAD2L1	0.44	BUB1B	0.42	PRPF8	0.4
CCNB1	0.5	PELP1	0.44	PUS7	0.41	WDR75	0.4
DDX21	0.49	MRPL19	0.44	CDKN3	0.41	PRKDC	0.4
LYAR	0.49	PRR11	0.44	DSCC1	0.41	CENPE	0.4
DARS2	0.49	NLE1	0.44	TEX10	0.41	UTP18	0.4
WDR12	0.49	PGAM5	0.44	STRAP	0.41	SLC25A11	0.4
CCT7	0.48	OLA1	0.44	GABPB1	0.41	DDX10	0.4
TIMM22	0.48	C10orf2	0.44	BCCIP	0.41	MRPL42	0.4
PAICS	0.48	SNRPD1	0.44	CRK	0.41	MTHFD2	0.4
MAP2K4	0.48	NCL	0.43	HMGA1	0.41	CCDC86	0.4
RIOK1	0.48	GLOD4	0.43	GNL3	0.41	NCAPH	0.4
BUB3	0.48	PFAS	0.43	NOP58	0.41	DCAF13	0.4
DVL2	0.48	NCAPG	0.43	LRPPRC	0.41	AHCY	0.4
RNMTL1	0.48	MIS12	0.43	NLN	0.41	HNRNPC	0.4
NOP14	0.48	RPL26	0.43	RABEP1	0.41	PNO1	0.4
RAN	0.47	YWHAQ	0.43	CCT8	0.41	VDAC2	0.4
RPA1	0.47	NUP37	0.43	FOXN1	0.41	ACLY	0.4
NOLC1	0.47	MPDU1	0.43	DKC1	0.41	KPNB1	0.4
CCT3	0.46	OVCA2	0.43	UCHL5	0.41	NOL11	0.4
MKI67IP	0.46	DENR	0.43	DARS	0.41	STIP1	0.4
DULLARD	0.46	EIF2S1	0.43	XRCC5	0.41	CCT5	0.4

Table S2. The gene lists of negative correlation with EIF4A1

Gene	r	Gene	r	Gene	r	Gene	r
CCDC159	-0.38	UBA7	-0.32	ABCC6	-0.31	RPS6KA1	-0.3
LMF1	-0.37	FAAH	-0.32	HLA-DOB	-0.31	C5orf45	-0.3
CBX7	-0.36	CTSH	-0.32	PIGQ	-0.31	AGXT2L2	-0.3
TNFRSF14	-0.35	CD74	-0.32	SFI1	-0.31	TUBGCP6	-0.3
ZMAT1	-0.34	C1orf63	-0.32	HLA-DPB1	-0.31	FAM193B	-0.3
HLA-DMA	-0.34	FBXO44	-0.32	HLA-DRB1	-0.31	KLHDC1	-0.3
ECHDC2	-0.34	KLHDC7A	-0.32	LDLRAP1	-0.31	DAPK2	-0.3
PIK3IP1	-0.34	FUCA1	-0.32	CCDC88B	-0.31	CHKB-CPT1B	-0.3
C21orf2	-0.33	GGT3P	-0.31	GNPTG	-0.31	LOC115110	-0.3
ZNF688	-0.33	TMEM125	-0.31	NAPSB	-0.3	TTLL3	-0.3
SEPW1	-0.32	TMEM219	-0.31	FMO4	-0.3		
CCDC159	-0.38	C17orf108	-0.31	POU6F1	-0.3		