

Table 4. Genes bound by E2F4 in unstimulated U937 cells

EntrezGene symbol	Description	EntrezGene symbol	Description
AK2	adenylate kinase 2	ITGA2	integrin, alpha 2 (CD49B)
AP2S1	adaptor-related protein complex 2, sigma 1 subunit	KIAA0042	KIAA0042 gene product
AP4B1	adaptor-related protein complex 4, beta 1 subunit	KIAA0092	KIAA0092 gene product
APG4C	APG4 autophagy 4 homolog C (S. cerevisiae)	KIAA0101	KIAA0101 gene product
ARHGAP11A	KIAA0013 gene product	KIAA0410	KIAA0410 gene product
ASF1B	ASF1 anti-silencing function 1 homolog B	KIAA0747	KIAA0747 protein
ATF2	activating transcription factor 2	KIAA0872	KIAA0872 protein
ATM	ataxia telangiectasia mutated	KIF20A	kinesin family member 20A
ATP5G3	ATP synthase, H+ transporting, mitochondrial F0 complex	KIF22	kinesin family member 22
BAT4	HLA-B associated transcript 4	KIF2C	kinesin family member 2C
BAZ1B	bromodomain adjacent to zinc finger domain, 1B	KIF4A	kinesin family member 4A
BCAS1	breast carcinoma amplified sequence 1	KNSL7	kinesin-like 7
BLM	Bloom syndrome	KNTC2	kinetochore associated 2
BRD8	bromodomain containing 8	KPNB1	karyopherin (importin) beta 1
BUB3	BUB3 budding uninhibited by benzimidazoles 3 homolog	LENG5	leukocyte receptor cluster (LRC) member 5
C10orf7	chromosome 10 open reading frame 76	LGALS1	lectin, galactoside-binding, soluble, 1
C11orf10	chromosome 11 open reading frame 10	LOC55924	hypothetical protein
C12orf5	chromosome 12 open reading frame 5	LOC81691	exonuclease NEF-sp
C14orf123	chromosome 14 open reading frame 123	LSM4	U6 snRNA-associated Sm-like protein
C20orf172	chromosome 20 open reading frame 172	LUC7L2	LUC7-like 2 (S. cerevisiae)
C20orf77	chromosome 20 open reading frame 77	M96	putative DNA binding protein
C21orf45	chromosome 21 open reading frame 45	MAPK7	mitogen-activated protein kinase 7
C6orf166	chromosome 6 open reading frame 166	MASTL	microtubule associated serine/threonine kinase-like
C6orf18	chromosome 6 open reading frame 18	MCM3	MCM3 minichromosome maintenance deficient 3
C6orf211	chromosome 6 open reading frame 211	MDH1	malate dehydrogenase 1, NAD (soluble)
C6orf82	chromosome 6 open reading frame 82	MDS009	x 009 protein
C9orf76	chromosome 9 open reading frame 76	MGC5469	hypothetical protein MGC5469
CASP2	caspase 2, apoptosis-related cysteine protease	MIS12	MIS12 homolog (yeast)
CASP8AP2	CASP8 associated protein 2	MRP63	mitochondrial ribosomal protein 63
CBX3	chromobox homolog 3 (HP1 gamma homolog, Drosophila)	MRPS11	mitochondrial ribosomal protein S11
CBX5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	MRPS15	mitochondrial ribosomal protein S15
CCNB1	cyclin B1	MRPS18C	mitochondrial ribosomal protein S18C
CDC25A	cell division cycle 25A	MRPS27	mitochondrial ribosomal protein S27
CDC25C	cell division cycle 25C	MTAP	methylthioadenosine phosphorylase
CDC6	CDC6 cell division cycle 6 homolog (S. cerevisiae)	MTRF1L	mitochondrial translational release factor 1-like
CDCA1	cell division cycle associated 1	MUT	methylmalonyl Coenzyme A mutase
CDCA8	cell division cycle associated 8	MYOHD1	myosin head domain containing 1
CENPF	centromere protein F (350/400kD, mitotin)	NAP1L1	nucleosome assembly protein 1-like 1
CKAP1	cytoskeleton-associated protein 1	NBR2	NBR2
CLSPN	claspin homolog (Xenopus laevis)	NDUFA1	NADH dehydrogenase 1 alpha subcomplex, 1
CSTF3	cleavage stimulation factor, 3' pre-RNA, subunit 3	NDUFB9	NADH dehydrogenase 1 beta subcomplex, 9
DCLRE1B	DNA cross-link repair 1B (PSO2 homolog, S. cerevisiae)	NEK2	NIMA (never in mitosis gene a)-related kinase 2
DDX10	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 10	NFKBIB	NF-κB inhibitor, beta
DKFZP434B168	DKFZP434B168 protein	NFYA	nuclear transcription factor Y, alpha
DLG7	discs, large homolog 7 (Drosophila)	NFYC	nuclear transcription factor Y, gamma
EIF3S2	eukaryotic translation initiation factor 3, subunit 2	NUDT15	nudix-type motif 15
EXO1	exonuclease 1	NUP98	nucleoporin 98kD
FANCL	Fanconi anemia, complementation group L	NUSAP1	nucleolar and spindle associated protein 1
FLJ10579	hypothetical protein FLJ10579	ORC3L	origin recognition complex, subunit 3-like
FLJ10922	hypothetical protein FLJ10922	ORMDL1	ORM1-like 1 (S. cerevisiae)
FLJ11029	hypothetical protein FLJ11029	PAI-RBP1	PAI-1 mRNA-binding protein
FLJ11222	hypothetical protein FLJ11222	PCNA	proliferating cell nuclear antigen
FLJ13912	hypothetical protein FLJ13912	PCNP	PEST-containing nuclear protein
FLJ20354	hypothetical protein FLJ20354	PDZK11	PDZ domain containing 11
FLJ20508	hypothetical protein FLJ20508	PELO	pelota homolog (Drosophila)
GHITM	growth hormone inducible transmembrane protein	PEX12	peroxisomal biogenesis factor 12
GPHN	gephyrin	PIGC	phosphatidylinositol glycan, class C
H2AFG	H2A histone family, member G	PLCG2	phospholipase C, gamma 2
H2AFP	H2A histone family, member P	PLK1	Polo like Kinase 1
HAGHL	hydroxyacylglutathione hydrolase-like	PLK4	Polo like Kinase 4
HIST1H2AJ	histone 1, H2aj	PMS1	PMS1 postmeiotic segregation increased 1
HIST1H2AL	histone 1, H2al	POLA	polymerase (DNA directed), alpha
HIST1H2BJ	histone 1, H2bj	POLD1	polymerase (DNA directed), delta 1, catalytic subunit
HIST1H2BK	histone 1, H2bk	POLE3	polymerase (DNA directed), epsilon 3 (p17 subunit)
HIST1H2BL	histone 1, H2bl	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K
HIST1H2BM	histone 1, H2bm	PRPS1	phosphoribosyl pyrophosphate synthetase 1
HIST1H3B	histone 1, H3b	QPCTL	glutamyl-peptide cyclotransferase-like
HIST1H4C	histone 1, H4c	RAD51	RAD51 homolog (RecA homolog, E. coli)
HIST1H4K	histone 1, H4k	RAMP	RA-regulated nuclear matrix-associated protein
HMGB2	high-mobility group box 2	RBBP4	retinoblastoma binding protein 4
HNRPA1	heterogeneous nuclear ribonucleoprotein A1	RBL1	retinoblastoma-like 1 (p107)
HPCL2	2-hydroxyphytanoyl-CoA lyase	RBM15	RNA binding motif protein 15
HSPC052	HSPC052 protein	RFC5	replication factor C (activator 1) 5 (36.5kD)
HSPC150	HSPC150 protein similar to ubiquitin-conjugating enzyme	RNASE4	ribonuclease, RNase A family, 4
HT007	uncharacterized hypothalamus protein HT007	RNPC2	RNA-binding region (RNP1, RRM) containing 2
IER5	immediate early response 5	RPGR	retinitis pigmentosa GTPase regulator
IRF3	interferon regulatory factor 3	RPL26	ribosomal protein L26

EntrezGene Description

symbol

RPL37	ribosomal protein L37
RPL39L	ribosomal protein L39-like
RQCD1	RCD1 required for cell differentiation1 homolog
RRM1	ribonucleotide reductase M1 polypeptide
RXRβ	retinoid X receptor, beta
SAMHD1	SAM domain and HD domain, 1
SF3A3	splicing factor 3a, subunit 3, 60kD
SFRS1	splicing factor, arginine/serine-rich 1
SFRS2	splicing factor, arginine/serine-rich 2
SLC2A4	solute carrier family 2, member 4
SLC31A1	solute carrier family 31, member 1
SLC35A5	solute carrier family 35, member A5
SLC39A9	solute carrier family 39, member 9
SLC8A3	solute carrier family 8, member 3
SMC1L1	SMC1 structural maintenance of chromosomes 1-like 1
SMC2L1	SMC2 structural maintenance of chromosomes 2-like 1
SMC4L1	SMC4 structural maintenance of chromosomes 4-like 1
SMN2	survival of motor neuron 2, centromeric
SNRPD2	small nuclear ribonucleoprotein D2 polypeptide (16.5kD)
SNX13	sorting nexin 13
SPOCK3	sparc, cwcv and kazal-like domains proteoglycan 3
STOML2	stomatolysin (EPB72)-like 2
SUCLG1	succinate-CoA ligase, GDP-forming, alpha subunit
SULT1A3	sulfotransferase family, cytosolic, 1A, phenol-preferring 3
SUMO1	SMT3 suppressor of mif two 3 homolog 1
TCF19	transcription factor 19 (SC1)
TDRD3	tudor domain containing 3
TIMELESS	timeless homolog (Drosophila)
TMEM5	transmembrane protein 5
TOPK	T-LAK cell-originated protein kinase
TTF2	transcription termination factor, RNA polymerase II
TTRAP	TRAF and TNF receptor associated protein
TU12B1-TY	TU12B1-TY protein
TUSC4	tumor suppressor candidate 4
TYMS	thymidylate synthetase
UCHL5	ubiquitin carboxyl-terminal hydrolase L5
USP1	ubiquitin specific protease 1
VILL	villin-like
VPS29	vacuolar protein sorting 29 (yeast)
WDR19	WD repeat domain 19
XRCC5	X-ray repair complementing defective repair in Chinese hamster cells 5
YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein
ZIC1	Zic family member 1 (odd-paired homolog, Drosophila)
ZNF451	zinc finger protein 451