

mRNAs that increase in the absence of E2F1 and E2F2

Accession no.	Gene description	Fold change	Gene	Functional category
M83749	Cyclin D2	14,9	Ccnd2	Cell cycle
L49507	Cyclin G1	4,0	Ccng1	Cell cycle
AJ223087	Cell division cycle 6 homolog (<i>S. cerevisiae</i>)	3,5	Cdc6	Cell cycle
U22399	Cyclin-dependent kinase inhibitor 1C (P57)	3,5	Cdkn1c	Cell cycle
AB025409	CDC28 protein kinase 1	2,0	Cks1	Cell cycle
M38381	CDC-like kinase	2,1	Clk	Cell cycle
U58992	MAD homolog 1 (<i>Drosophila</i>)	2,0	Madh1	Cell cycle
X62154	Mini chromosome maintenance deficient (<i>S. cerevisiae</i>)	2,8	Mcmd	Cell cycle
D26090	Mini chromosome maintenance deficient 5 (<i>S. cerevisiae</i>)	2,5	Mcmd5	Cell cycle
D26091	Mini chromosome maintenance deficient 7 (<i>S. cerevisiae</i>)	2,6	Mcmd7	Cell cycle
Y07686	Nuclear factor I/B	2,5	Nfib	Cell cycle
AW124052	Origin recognition complex, subunit 3-like	2,1	Orc3l	Cell cycle
X57800	Proliferating cell nuclear antigen	2,8	Pcna	Cell cycle
U35142	Retinoblastoma binding protein 7	3,5	Rbbp7	Cell cycle
D49382	Septin 2	3,5	sept2	Cell cycle
AJ223782	Septin 7	2,6	sept7	Cell cycle
L22472	Bcl2-associated X protein	2,8	Bax	Apoptosis
L38971	Integral membrane protein 2A	5,3	Itm2a	Apoptosis
U76253	Integral membrane protein 2B	3,5	Itm2b	Apoptosis
X57687	Lymphoblastic leukemia	16,0	Lyl1	Apoptosis
X58861	Complement component 1, q subcomponent, alpha polypeptide	2,8	C1qa	Stress
M22531	Complement component 1, q subcomponent, beta polypeptide	5,7	C1qb	Stress
X66295	Complement component 1, q subcomponent, gamma polypeptide	2,6	C1qg	Stress
K02782	Complement component 3	5,7	C3	Stress
AF055664	DnaJ (Hsp40) homolog, subfamily A, member 1	2,8	Dnaja1	Stress
J04633	heat shock protein, 1	2,1	Hsp86-1	Stress
X13297	Actin, alpha 2, smooth muscle, aorta	24,3	Acta2	Cytoskeleton
M21495	Actin, gamma, cytoplasmic	2,6	Actg	Cytoskeleton
U16741	Capping protein (actin filament) muscle Z-line, alpha 2	3,2	Capza2	Cytoskeleton
AI853217	Cadherin 5	3,2	Cdh5	Cytoskeleton
M13018	Cysteine rich intestinal protein	7,0	Crip	Cytoskeleton
D88793	Cysteine rich protein 1	2,5	Csrp1	Cytoskeleton

J04953	Gelsolin	4,3	Gsn	Cytoskeleton
M36120	Keratin complex 1, acidic, gene 19	3,2	Krt1-19	Cytoskeleton
D49733	Lamin A	2,1	Lmna	Cytoskeleton
L23769	Microfibrillar-associated protein 2	2,5	Mfap2	Cytoskeleton
U38967	Thymosin, beta 4, X chromosome	5,3	Tmsb4x	Cytoskeleton
M28729	Tubulin, alpha 1	2,8	Tuba7	Cytoskeleton
M28727	Tubulin, alpha 2	2,5	Tuba2	Cytoskeleton
M28739	Tubulin, beta 2	6,1	Tubb2	Cytoskeleton
X04663	Tubulin, beta 5	3,0	Tubb5	Cytoskeleton
X01838	Beta-2 microglobulin	4,9	B2m	Inflammatory
U49513	Chemokine (C-C motif) ligand 9	2,0	Ccl9	Inflammatory
AI847784	CD34 antigen	2,3	Cd34	Inflammatory
AB012693	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	2,3	Cd47	Inflammatory
L08115	CD9 antigen	2,3	Cd9	Inflammatory
AF030636	Chemokine (C-X-C motif) ligand 13	3,5	Cxcl13	Inflammatory
AF061260	Immunoglobulin superfamily, member 4	4,0	Igsf4	Inflammatory
X00496	Ia-associated invariant chain	10,6	Ii	Inflammatory
D37837	Lymphocyte cytosolic protein 1	3,7	Lcp1	Inflammatory
D50463	Stromal cell derived factor receptor 1	2,3	Sdfr1	Inflammatory
X97227	CD53 antigen	10,6	Cd53	Fibrotic response
AF011450	Procollagen, type XV	4,0	Col15a1	Fibrotic response
L22545	Procollagen, type XVIII, alpha 1	2,8	Col18a1	Fibrotic response
U03419	Procollagen, type I, alpha 1	5,7	Col1a1	Fibrotic response
X58251	Procollagen, type I, alpha 2	4,6	Col1a2	Fibrotic response
AA655199	Procollagen, type III, alpha 1	6,5	Col3a1	Fibrotic response
M15832	Procollagen, type IV, alpha 1	4,0	Col4a1	Fibrotic response
L02918	Procollagen, type V, alpha 2	2,5	Col5a2	Fibrotic response
Z18272	Procollagen, type VI, alpha 2	2,6	Col6a2	Fibrotic response
AF064749	Procollagen, type VI, alpha 3	4,9	Col6a3	Fibrotic response
AJ006469	Cartilage associated protein	2,0	Crtap	Fibrotic response
X53929	Decorin	6,1	Dcn	Fibrotic response
AA919594	Elastin	4,3	Eln	Fibrotic response
X98471	Epithelial membrane protein 1	2,6	Emp1	Fibrotic response
X75285	Fibulin 2	2,6	Fbln2	Fibrotic response
M63801	Gap junction membrane channel protein alpha 1	4,9	Gja1	Fibrotic response

X15202	Integrin beta 1 (fibronectin receptor beta)	3,0	Itgb1	Fibrotic response
U69176	Laminin, alpha 4	3,7	Lama4	Fibrotic response
AA874589	LIM and senescent cell antigen-like domains 1	2,8	Lims1	Fibrotic response
AF013262	Lumican	5,3	Lum	Fibrotic response
M32486	Mouse 19.5 mRNA	8,6	M32486	Fibrotic response
L17324	Nidogen 1	4,0	Nid1	Fibrotic response
AB017202	Nidogen 2	2,6	Nid2	Fibrotic response
D31951	Osteoglycin	6,1	Ogn	Fibrotic response
D13664	Osteoblast specific factor 2 (fasciclin I-like)	21,1	Osf2-pending	Fibrotic response
X04017	Secreted acidic cysteine rich glycoprotein	6,5	Sparc	Fibrotic response
AF061017	UDP-glucose dehydrogenase	3,0	Ugdh	Fibrotic response
U21489	Acetyl-Coenzyme A dehydrogenase, long-chain	8,6	Acadl	Metabolism
U07159	Acetyl-Coenzyme A dehydrogenase, medium chain	2,1	Acadm	Metabolism
U49915	Adipocyte complement related protein	59,7	Acrp30	Metabolism
M84147	Alcohol dehydrogenase 5 (class III), chi polypeptide	2,3	Adh5	Metabolism
X04673	Adipsin	97,0	Adn	Metabolism
M15268	Aminolevulinic acid synthase 2, erythroid	4,0	Alas2	Metabolism
D00466	Apolipoprotein E	8,6	Apoe	Metabolism
X73230	Arylsulfatase A	7,5	Arsa	Metabolism
AJ006474	Carbonic anhydrase 3	104,0	Car3	Metabolism
AI854020	Cysteine dioxygenase 1, cytosolic	3,5	Cdo1	Metabolism
AW226939	Carboxylesterase 3	4,6	Ces3	Metabolism
D16215	Flavin containing monooxygenase 1	2,5	Fmo1	Metabolism
V00714	Hemoglobin alpha, adult chain 1	2,6	Hba-a1	Metabolism
AF073993	Heterogeneous nuclear ribonucleoprotein A2/B1	2,5	Hnrpa2b1	Metabolism
U34259	Lysosomal-associated protein transmembrane 4A	2,0	Laptm4a	Metabolism
U29539	Lysosomal-associated protein transmembrane 5	12,1	Laptm5	Metabolism
X15986	Lectin, galactose binding, soluble 1	2,6	Lgals1	Metabolism
M63335	Lipoprotein lipase	5,3	Lpl	Metabolism
M21050	Lysozyme	6,1	Lyzs	Metabolism
X51547	P lysozyme structural	16,0	Lzp-s	Metabolism
L10244	Spermidine/spermine N1-acetyl transferase	2,3	Sat	Metabolism
M21285	Stearoyl-Coenzyme A desaturase 1	55,7	Scd1	Metabolism
U27315	Solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	3,7	Slc25a4	Metabolism
M69260	Annexin A1	8,0	Anxa1	Signaling and growth

M14044	Annexin A2	4,6	Anxa2	Signaling and growth
AJ001633	Annexin A3	2,6	Anxa3	Signaling and growth
X99963	Ras homolog gene family, member AB	3,2	Arhb	Signaling and growth
U97327	Calcyclin binding protein	2,8	Cacybp	Signaling and growth
M27844	Calmodulin 2	3,5	Calm2	Signaling and growth
L78075	Cell division cycle 42 homolog (S. cerevisiae)	2,6	Cdc42	Signaling and growth
AF109905	Chloride intracellular channel 1	4,3	Clic1	Signaling and growth
U18869	Disabled homolog 2 (Drosophila)	6,5	Dab2	Signaling and growth
U42385	Fibroblast growth factor inducible 16	3,7	Fin16	Signaling and growth
AV138783	Growth arrest and DNA-damage-inducible 45 beta	13,0	Gadd45b	Signaling and growth
X59846	Growth arrest specific 6	2,3	Gas6	Signaling and growth
AW047476	guanylate nucleotide binding protein 3	10,6	Gbp3	Signaling and growth
M13963	Guanine nucleotide binding protein, alpha inhibiting 2	3,0	Gnai2	Signaling and growth
U29055	Guanine nucleotide binding protein, beta 1	3,5	Gnb1	Signaling and growth
AF077861	Inhibitor of DNA binding 2	5,7	Idb2	Signaling and growth
X76066	Insulin-like growth factor binding protein 4	18,4	Igfbp4	Signaling and growth
L12447	Insulin-like growth factor binding protein 5	8,0	Igfbp5	Signaling and growth
M57647	Kit ligand	2,3	Kitl	Signaling and growth
Z11974	Mannose receptor, C type 1	8,0	Mrc1	Signaling and growth
AI642048	Nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha	3,2	Nfkbia	Signaling and growth
AF014010	Polycystic kidney disease 2	7,0	Pkd2	Signaling and growth
X60367	Retinol binding protein 1, cellular	4,0	Rbp1	Signaling and growth
M16465	S100 calcium binding protein A10 (calpactin)	3,5	S100a10	Signaling and growth
U41341	S100 calcium binding protein A11 (calizzarin)	4,6	S100a11	Signaling and growth
X99921	S100 calcium binding protein A13	3,7	S100a13	Signaling and growth
X66449	S100 calcium binding protein A6 (calcyclin)	5,3	S100a6	Signaling and growth
X68837	Secretogranin II	3,7	Scg2	Signaling and growth
U59864	TRAF family member-associated Nf-kappa B activator	2,6	Tank	Signaling and growth
AF024637	TYRO protein tyrosine kinase binding protein	3,7	Tyrobp	Signaling and growth
M62470	Thrombospondin 1	4,0	Thbs1	Signaling and growth
AB016592	Anterior gradient 2 (Xenopus laevis)	9,2	Agr2	Miscellaneous
AI840158	Angiopoietin-like 2	2,5	Angptl2	Miscellaneous
AI847561	Adaptor-related protein complex AP-4, sigma 1	2,1	Ap4s1	Miscellaneous
M97216	Amyloid beta (A4) precursor-like protein 2	2,1	Aplp2	Miscellaneous
AI852534	Basic leucine zipper and W2 domains 1	2,3	Bzw1	Miscellaneous

AW125626	Calponin 3, acidic	2,3	Cnn3	Miscellaneous
AJ009840	Cathepsin E	2,6	Ctse	Miscellaneous
AJ223208	Cathepsin S	9,8	Ctss	Miscellaneous
AJ242663	Cathepsin Z	2,5	Ctsz	Miscellaneous
AB025406	Dextrin	2,1	Dstn	Miscellaneous
U78103	Embryonic ectoderm development	2,3	Eed	Miscellaneous
AW122933	Ectonucleotide pyrophosphatase/phosphodiesterase 2	27,9	Enpp2	Miscellaneous
U72519	Ena-vasodilator stimulated phosphoprotein	13,9	Evl	Miscellaneous
Z38110	Peripheral myelin protein, 22 kDa	3,0	Pmp22	Miscellaneous
U25844	Serine (or cysteine) proteinase inhibitor, clade B, member 6	2,3	Serpinb6	Miscellaneous
AF036164	Serine (or cysteine) proteinase inhibitor, clade F, member 1	9,8	Serpinf1	Miscellaneous
X60676	Serine (or cysteine) proteinase inhibitor, clade H, member 1	4,3	Serpinh1	Miscellaneous
AF072697	Selective hybridizing clone	4,9	Shyc	Miscellaneous
X93357	Synovial sarcoma translocation, Chromosome 18	2,0	Ss18	Miscellaneous
Z47088	Transcription elongation factor B (SIII), polypeptide 1 (15 kDa),-like	2,0	Tceb11	Miscellaneous
AW122469	Testis expressed gene 189	2,1	Tex189	Miscellaneous
AA760359	Translocase of inner mitochondrial membrane 22 homolog	5,3	Timm22	Miscellaneous
AF062071	Zinc finger protein 216	3,0	Zfp216	Miscellaneous

mRNAs that decrease in the absence of E2F1 and E2F2

Accesión no.	Gene description	Fold change	Gene	Functional category
J03482	Histone 1, H1c	2,5	Hist1h1c	Signaling and growth
V00835	Metallothionein 1	3,5	Mt1	Stress
K02236	Metallothionein 2	2,5	Mt2	Stress
AB019600	Caspase 9	3,0	Casp9	Apoptosis
Z49204	Nicotinamide nucleotide transhydrogenase	2,3	Nnt	Metabolism
U09189	Loricrin	2,3	Lor	Cytoskeleton
U37386	Carboxyl ester lipase	2,6	Cel	Pancreatic function
X02578	Amylase	2,5	Amy	Pancreatic function
D89664	Glycine N-methyltransferase	3,2	Gnmt	Pancreatic function
X04480	Insulin-like growth factor 1	2,8	Igf1	Pancreatic function
D63359	Pancreatitis-associated protein	73,5	Pap	Pancreatic function
D14011	Regenerating islet-derived 2	4,6	Reg2	Pancreatic function
D63357	Regenerating islet-derived 3 alpha	64,0	Reg3a	Pancreatic function
D45858	Synaptotagmin 3	3,7	Syt3	Pancreatic function
X04574	Trypsin 2	2,5	Try2	Pancreatic function
U37438	Deleted in malignant brain tumors 1	5,3	Dmbt1	Miscellaneous
AF023919	Inter alpha-trypsin inhibitor, heavy chain 4	5,7	Itih4	Miscellaneous

Transcripts differentially regulated in pancreas by loss of E2F1 and E2F2. Listed are the genes that are increased or decreased an average of ≥ 2 -fold upon concomitant loss of E2F1 and E2F2. mRNAs that decrease are those which require E2F1 and/or E2F2 for high level expression; mRNAs that increase in the absence of E2F1 and E2F2 are those which are negatively regulated by E2F1 and/or E2F2.