

Supplemental Table 1. List of genes upregulated by active ATF6

Gene	Gene symbol	NCBI Accession	Fold increase	% GAPDH
ATF6-inducible genes (assayed for apoptosis induction)				
Arachidonate lipoxygenase 3	Aloxe3	gb:NM_011786.1	11.8	2.6
Cysteine-rich with EGF-like domain 2	Creld2	gb:AK017880.1	3.8	37.6
Sell (suppressor of lin-12) 1 homolog (C. elegans)	SEL1L	gb:AK005023.1	3.3	8.1
transmembrane protein 50B	Tmem50B	gb:BC004841.1	2.7	3.9
programmed cell death 4	Pdcd4	gb:AI642124	2.1	5.0
arginine-rich, mutated in early stage tumors	Armet	gb:AK014338.1	2	52.8
WW domain binding protein 1	WBP1	gb:NM_016757.1	2	6.7
Protein folding/Secretory pathway				
protein disulfide isomerase-related protein	ERp72	gb:J05186.1	6.3	19.4
Stromal cell derived factor 2-like 1	Sdf2l1	gb:NM_022324.1	4	9.7
homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain	Herpud1	gb:NM_022331.1	2.8	10.7
DnaJ homolog, subfamily B, member 11	Dnajb11	gb:AK010861.1	2.7	7.1
DnaJ (Hsp40) homolog, subfamily C, member 3	Dnajc3	gb:AU023889	2.4	9.4
tumor rejection antigen gp96	Tra1	gb:BE995678	2.3	90.7
Calcium binding protein 140 kDa	Cab140	gb:BM231738	2.3	5
HRD1 homolog		gi:12836041	2	1.5
DNA-damage inducible transcript 3, C/EBP homologous protein (CHOP)	Ddit3	gi:6681150	2	5.2
BiP	Hspa5	gb:NM_022310.1	1.9	102
calreticulin	Calr	gb:AW324084	1.8	70
Similar to HSPC160 protein		gb:BC002146.1	1.8	8.7
ER alpha-mannosidase like	EDEM	gb:BG064496	1.6	6.1
Other functions				
casein kappa	Csnk	gb:NM_007786.1	5.2	2.3
CD68 antigen	Cd68	gb:BC021637.1	3.2	1.9
cell growth regulator with EF hand domain 1	Cgrefl	gb:BC023116.1	2.8	1.4
Carbonic anhydrase 3, muscle specific	Car3	gb:AK003671.1	2.4	4.3
fatty acyl-CoA reductase		gb:BG094874	2.3	10.8
related to male sterility protein 2-like protein		gb:AK011187.1	2.3	3.6
laminin B1 subunit 1	Lamb1-1	gb:BG868949	2.3	1.9
homeo box A1	Hoxa1	gb:NM_010449.1	2.2	1.1
Weakly similar to tyrosine-protein kinase jak3		gb:BI150812	2.2	2
myo-inositol 1-phosphate synthase A1		gb:NM_023627.1	2.1	4.3
solute carrier family 20, member 1	Slc20a1	gi:7657578	2	22.2
DNA-damage inducible transcript 3, C/EBP homologous protein (CHOP)	Ddit3	gi:6681150	2	5.2
phenylalkylamine Ca ²⁺ antagonist (emopamil)binding protein	Ebp	gi:6681254	1.9	14.1
lysosomal acid lipase 1	Lip1	gi:4605285	1.9	3.5
serine proteinase inhibitor, clade B, member 9g	Serpin9g	gi:18251227	1.9	1.2
insulin-like growth factor binding protein 6	Igfbp6	gi:6680386	1.8	34.7
tubulin, beta 3	Tubb3	gi:12963614	1.8	5.5
ADP-ribosylation factor 2	Arf2	gi:6671570	1.8	5
CDK2-associated protein 2	Cdk2ap2	gi:13385869	1.7	28.8
actinin alpha 3	Actn3	gi:7304854	1.7	4.3
fibroblast inducible secreted protein (connective tissue growth factor, IGFBP8)	Ctgf	gi:6753877	1.7	7.6
tectonic family member 2		gi:12849656	1.7	1
CDCREL-1 homolog (Septin 5)	Cdrel-1	gi:3986408	1.6	2.3
Highly similar to guanine nucleotide exchange factor		gi:16392522	1.6	1.1
prolyl 4-hydroxylase	P4hb	gi:17867783	1.5	71