

Additional file 4: Genes present on both HG_U95 Av2 and HGU133 Plus 2.0 chips.													
Blank = "absent"													
GC-response	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	
Patient-derived cell line	Pediatric	Pediatric	Pediatric	Pediatric	Pediatric	Pediatric	Adult	Adult	Pediatric	Pediatric	Pediatric	Pediatric	
Cell lineage	T-cell	T-cell	T-cell	T-cell	T-cell	T-cell	B-cell	B-cell	B-cell	B-cell	Myeloid	Myeloid	
Sub-type of leukemia	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	AML	AML	
Name	Description	C7-14 Dx	C7-14 Dx	C7-14 Z	C7-14 Z	C1-6 Dx	C1-6 Dx	RS4 Dx	RS4 Dx	SUP Dx	SUP Dx	Kas Dx	Kas Dx
			Stat. sign		Stat. sign		Stat. sign		Stat. sign		Stat. sign		Stat. sign
76P	gamma tubulin ring complex protein (76p gene)					1.3		-1.9	-1.9	-1.6	-1.6	1.6	1.6
AANAT	arylalkylamine N-acetyltransferase	1.4				1.5							
AARS	alanyl-tRNA synthetase	-1.3	-1.3	-1.3	-1.3	-1.2		-2.0	-2.0	-1.9	-1.9	-1.5	-1.5
AASDHPPT	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	-1.4		-1.4	-1.4	-1.7		-1.4	-1.4	-1.3	-1.3		
AATF	apoptosis antagonizing transcription factor	-1.5		-1.5	-1.5	-1.4	-1.4	-1.3	-1.3				
ABAT	4-aminobutyrate aminotransferase							-21.9	-21.9	-1.6		14.5	14.5
ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10									1.3	1.3	-1.7	-1.7
ABCB6	ATP-binding cassette, sub-family B (MDR/TAP), member 6	1.3	1.3					-1.6	-1.6	1.2		3.4	3.4
ABCB7	ATP-binding cassette, sub-family B (MDR/TAP), member 7	1.2						1.3	1.3				
ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	1.5		1.3									
ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1			1.7	1.7	1.5	1.5	1.9	1.9	-2.0	-2.0	-3.3	-3.3
ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	2.1	2.1	2.0	2.0	1.8		-1.4	-1.4	-1.8	-1.8	1.3	
ABCD3	ATP-binding cassette, sub-family D (ALD), member 3			1.4		1.2		1.5				-1.8	-1.8
ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	-1.5	-1.5	-2.0	-2.0	-1.7		1.4	1.4	-2.0	-2.0	-4.2	-4.2
ABCF1	ATP-binding cassette, sub-family F (GCN20), member 1									-1.5	-1.5	-2.0	-2.0
ABCF2	ATP-binding cassette, sub-family F (GCN20), member 2									-1.9	-1.9	-1.9	-1.9
ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1					-2.0	-2.0						
ABI1	abl-interactor 1	1.3		1.8	1.8	1.3		1.4	1.4	1.7	1.7	2.8	2.8
ABI2	abl interactor 2			1.8	1.8	-1.5		1.3	1.3	-1.9	-1.9	-2.7	-2.7
ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1			-1.2		1.5						-1.4	-1.4
ABLIM1	actin binding LIM protein 1							-5.8	-5.8	-3.1	-3.1		
ABR	active BCR-related gene											1.4	1.4
ACAA1	acetyl-Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)									-1.3	-1.3	1.2	1.2
ACACA	acetyl-Coenzyme A carboxylase alpha	-1.2										-6.5	-6.5
ACACB	acetyl-Coenzyme A carboxylase beta					1.8		9.5	9.5			1.7	1.7
ACADM	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain							-1.8	-1.8			1.7	1.7
ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	1.2								-2.0	-2.0	1.4	
ACADVL	acyl-Coenzyme A dehydrogenase, very long chain	1.4								1.2			
ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)			-2.0	-2.0			-2.4	-2.4	-1.5	-1.5	1.3	
ACBD3	acyl-Coenzyme A binding domain containing 3							-2.0	-2.0	1.6	1.4	1.5	1.5
ACD	adrenocortical dysplasia homolog (mouse)							-1.3	-1.3				
ACIN1	apoptotic chromatin condensation inducer 1											1.6	1.6
ACLY	ATP citrate lyase	-1.3		-1.8	-1.8	-1.2		-1.4	-1.4	-1.7	-1.7	-1.3	-1.3
ACO1	aconitase 1, soluble	1.3	1.3	2.0	2.0	1.4	1.4	1.4	1.4	-1.4		-1.2	-1.2
ACO2	aconitase 2, mitochondrial			-1.3		-1.5						-1.6	-1.6
ACOT2	acyl-CoA thioesterase 2							5.0	5.0			-7.8	-7.8
ACOT7	acyl-CoA thioesterase 7							-1.6	-1.6	-1.4	-1.4	-1.3	-1.3
ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	1.4						5.2	5.2	1.2		-3.5	-3.5
ACP1	acid phosphatase 1, soluble							-2.1	-2.1			-1.8	-1.8
ACP2	acid phosphatase 2, lysosomal	1.6	1.6	1.6	1.6								
ACR	acrosin			-1.4									
ACSL3	acyl-CoA synthetase long-chain family member 3	-1.3		-1.5	-1.5	-1.3		-1.8	-1.8	-1.3	-1.3	2.2	2.2
ACSL4	acyl-CoA synthetase long-chain family member 4	-1.4		1.4				-1.7	-1.7			1.4	
ACTA1	actin, alpha 1, skeletal muscle	1.3		1.7									
ACTB	actin, beta							-1.5	-1.5			1.6	1.6
ACTG1	actin, gamma 1	-1.2	-1.2										
ACTL6A	actin-like 6A					-1.4		-1.5	-1.5	-1.3	-1.3	-1.6	-1.6
ACTN1	actinin, alpha 1	1.4						5.4	5.4	-1.2	-1.2	-3.5	-3.5
ACTN4	actinin, alpha 4							-1.6		1.4		1.7	1.7

ATP9B	ATPase, Class II, type 9B							-1.7	-1.7					-1.3	
ATR	ataxia telangiectasia and Rad3 related					-1.2								-1.3	-1.3
ATRN	attractin	-1.2		1.3						1.6				-1.4	-1.4
ATRX	alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae)					-1.3				1.4	1.4			1.7	1.7
ATXN10	ataxin 10	-1.3	-1.3	-1.3	-1.3	-1.5	-1.5			1.3				-1.7	-1.7
ATXN2	ataxin 2	-1.4				-1.3						-1.3		-1.3	
ATXN2L	ataxin 2-like									-2.2	-2.2			1.8	1.8
ATXN3	ataxin 3			1.4		1.2				1.2		1.4	1.3	2.0	2.0
AUH	AU RNA binding protein/enoyl-Coenzyme A hydratase	2.5	2.5	2.2	2.2	1.7	1.7					1.4		2.4	2.4
AURKB	aurora kinase B									-3.3	-3.3	1.4	1.4	3.0	3.0
B2M	beta-2-microglobulin	-1.5								-1.6	-1.6			3.1	3.1
B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1			-1.6						-2.7	-2.7	-1.4		1.4	
B4GALT1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1			-1.3						1.3		1.3	1.3	1.7	1.7
B4GALT2	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 2	-1.8	-1.8	-3.3	-3.3					-1.3		-2.1	-2.1	-2.4	-2.4
B4GALT3	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 3	-1.3		-1.4						1.3		-1.3		-1.4	-1.4
B4GALT4	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4			1.6	1.6					1.5				8.1	8.1
B4GALT6	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6					-1.6				2.5	2.5	1.6		-6.7	-6.7
B930013M22RIK	ras responsive element binding protein 1			1.3						3.1	3.1	2.1	2.1	1.5	1.5
BACH1	BTB and CNC homology 1, basic leucine zipper transcription factor 1			1.3		1.3				1.2	1.2	1.3	1.3	1.2	1.2
BAD	BCL2-antagonist of cell death	1.2													
BAG1	BCL2-associated athanogene									-1.2		-1.4	-1.4	-2.0	-2.0
BAG2	BCL2-associated athanogene 2	-1.2				-1.6				-1.2	-1.2	-1.8	-1.8	-1.5	-1.5
BAG5	BCL2-associated athanogene 5					-1.3								-1.4	-1.4
BAIAP1	membrane associated guanylate kinase, WW and PDZ domain containing 1					1.7				-3.3	-3.3			2.1	
BAMBI	BMP and activin membrane-bound inhibitor homolog (Xenopus laevis)					-1.7	-1.7			-2.7	-2.7			1.5	1.5
BANF1	barrier to autointegration factor 1			-1.3						-2.0	-2.0	-1.5	-1.5		
BAP1	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)											-1.7	-1.7	-1.2	
BAPX1	bagpipe homeobox homolog 1 (Drosophila)			1.3											
BARD1	BRCA1 associated RING domain 1	1.3	1.3							-3.6	-3.6	1.4	1.3	3.4	3.4
BAT1	HLA-B associated transcript 1									1.5	1.5	-1.6	-1.6	-1.4	
BAT2D1	BAT2 domain containing 1	1.4					-1.2			1.2		-1.4		-1.4	-1.4
BAT3	HLA-B associated transcript 3									-1.4	-1.4	-1.4	-1.4		
BAT8	euchromatic histone-lysine N-methyltransferase 2			-1.4	-1.4							-4.0	-4.0	-2.8	-2.8
BAX	BCL2-associated X protein	-1.2		-1.4	-1.4	1.3				-1.8	-1.8				
BAZ1A	bromodomain adjacent to zinc finger domain, 1A	-1.2		-1.3	-1.3	-1.6	-1.6			1.3				-1.6	-1.6
BAZ1B	bromodomain adjacent to zinc finger domain, 1B					-1.2				-1.9	-1.9	-1.2	-1.2		
BAZ2A	bromodomain adjacent to zinc finger domain, 2A	1.3												-2.9	-2.9
BBS4	Bardet-Biedl syndrome 4					-2.3	-2.3					-1.2			
BBX	bobby sox homolog (Drosophila)			1.5	1.5					1.6	1.6	-1.3	-1.3	1.8	1.8
BC-2	chromatin modifying protein 2A	1.2		1.4						-1.4	-1.4	1.5	1.5	1.5	1.5
BCAP29	B-cell receptor-associated protein 29			1.6						2.0	2.0	1.5	1.5	1.4	
BCAP31	B-cell receptor-associated protein 31														
BCAS2	breast carcinoma amplified sequence 2			-1.4		-1.9									
BCAT1	branched chain aminotransferase 1, cytosolic	1.4		1.3						-4.9	-4.9	-3.3	-3.3	2.2	2.2
BCAT2	branched chain aminotransferase 2, mitochondrial	-1.3	-1.3	-1.3		-1.6				1.7	1.7			-2.7	-2.7
BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide			1.3	1.3					1.5				-2.2	-2.2
BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)					-1.4				2.2	2.2			-2.5	-2.5
BCL10	B-cell CLL/lymphoma 10									1.2	1.2	-1.5			
BCL11A	B-cell CLL/lymphoma 11A (zinc finger protein)	-1.2								-1.8	-1.8			1.2	1.2
BCL2	B-cell CLL/lymphoma 2	1.4								-11.2	-11.2	-2.8	-2.8	1.5	1.5
BCL2L1	BCL2-like 1	-1.3		-1.4	-1.4	-2.0						1.7	1.7		
BCL2L11	BCL2-like 11 (apoptosis facilitator)	3.1	3.1	14.5	14.5	5.9	5.9			1.5	1.2	3.1	3.1	5.1	5.1
BCL6	B-cell CLL/lymphoma 6 (zinc finger protein 51)	1.7		3.0	3.0					-11.8	-11.8	1.3		6.6	6.6
BCL7A	B-cell CLL/lymphoma 7A			-1.4	-1.4	-1.4				-3.3	-3.3	-1.3	-1.3	1.6	1.5
BCL7B	B-cell CLL/lymphoma 7B					-1.2				-1.4	-1.4	-1.4			
BCLAF1	BCL2-associated transcription factor 1	-1.3	-1.3			-1.5				2.0	2.0	-1.7	-1.7	-1.8	-1.8
BCR	breakpoint cluster region	1.2		1.8	1.8	1.3				-1.4	-1.4			4.7	4.7
BDH1	3-hydroxybutyrate dehydrogenase, type 1	-1.3	-1.3	-1.5		-1.5	-1.5			-1.3	-1.3	-1.7		-1.6	-1.6

BECN1	beclin 1 (coiled-coil, myosin-like BCL2 interacting protein)							1.2					1.7	1.7
BET1	BET1 homolog (S. cerevisiae)						-1.4	-2.2	-2.2	-1.4			1.6	1.6
BHLHB2	basic helix-loop-helix domain containing, class B, 2	-1.3					-2.0							
BICD1	bicaudal D homolog 1 (Drosophila)	1.3						-2.6	-2.6	-1.4	-1.4	3.6	3.6	
BICD2	bicaudal D homolog 2 (Drosophila)			-1.5	-1.5			-1.2	-1.2	-1.9	-1.9	1.3	-1.2	
BID	BH3 interacting domain death agonist	1.4	1.4	1.6	1.6	1.5		-3.4	-3.4	-1.9	-1.9	-1.3	-1.3	
BIK	BCL2-interacting killer (apoptosis-inducing)			-1.7	-1.7	2.0	2.0			6.3	6.3			
BIN1	bridging integrator 1					1.6	1.6	-1.3	-1.3			9.6	9.6	
BIRC2	baculoviral IAP repeat-containing 2	1.9	1.9	1.7	1.7	1.5		1.4	1.4	1.9	1.9	1.6	1.6	
BIRC3	--	2.8	2.8	6.8	6.8	5.8	5.8							
BIRC5	baculoviral IAP repeat-containing 5 (survivin)							-1.8	-1.8			2.4	2.4	
BLCAP	bladder cancer associated protein							1.4	1.4	-1.5	-1.5	-1.4	-1.4	
BLM	Bloom syndrome						-1.4			-1.8	-1.8	-2.6	-2.6	
BLMH	bleomycin hydrolase			1.4	1.4	-1.6		1.3	1.3			-1.3	-1.3	
BLOC1S1	biogenesis of lysosome-related organelles complex-1, subunit 1							-1.9	-1.9			1.6	1.6	
BMP2K	BMP2 inducible kinase							1.5	1.5	1.4		-1.6	-1.6	
BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1					1.4						-1.2	-1.2	
BNIP2	BCL2/adenovirus E1B 19kDa interacting protein 2	1.5	1.5					-1.4	-1.4	1.7	1.7	1.4	1.4	
BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3	1.4	1.4	1.2				312.5	312.5			-331.2	-331.2	
BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3-like	1.7		1.4	1.4			2.0	2.0	-1.3	-1.3	1.9	1.9	
BOP1	block of proliferation 1	-1.4	-1.4	-1.8	-1.8	-1.6		1.3		-2.6	-2.6	-3.6	-3.6	
BPGM	2,3-bisphosphoglycerate mutase							-1.5	-1.5	1.2		1.4		
BPHL	biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)													
BRAP	BRCA1 associated protein	1.3								1.3	1.3			
BRCA1	breast cancer 1, early onset			1.4	1.4			-1.5	-1.5	-1.4	-1.4	-2.6	-2.6	
BRCA2	breast cancer 2, early onset						-1.3	-2.7	-2.7	1.6				
BRD2	bromodomain containing 2			-1.2	-1.2			-1.4				1.5	1.5	
BRD3	bromodomain containing 3									-1.5	-1.5	-1.2	-1.2	
BRD4	bromodomain containing 4	1.2		1.2		2.1		-1.3	-1.3			-1.7	1.4	
BRD8	bromodomain containing 8	1.6	1.6	1.4	1.4					1.4	1.4	1.4	1.4	
BRE	brain and reproductive organ-expressed (TNFRSF1A modulator)							-1.8		-2.1	-2.1	3.0	3.0	
BRMS1	breast cancer metastasis suppressor 1			-1.6	-1.6			-1.6	-1.6					
BRP44	brain protein 44	1.2		1.3						-1.3	-1.3	-1.4	-1.4	
BRRN1	non-SMC condensin I complex, subunit H							-1.9	-1.9			-1.8	-1.8	
BSCL2	Bernardinelli-Seip congenital lipodystrophy 2 (seipin)	1.2												
BSG	basigin (Ok blood group)			-1.4		1.2		1.7		-1.4	-1.4	-2.4	-2.4	
BST1	bone marrow stromal cell antigen 1					-1.3								
BST2	bone marrow stromal cell antigen 2			1.4	1.4			-1.5	-1.5			1.4	1.4	
BTAF1	BTAF1 RNA polymerase II, B-TFIIID transcription factor-associated, 170kDa (Mot1 homolog, S. cerevisiae)							1.6	1.6			-2.0	-2.0	
BTBD2	BTB (POZ) domain containing 2			-1.4				-1.4		-1.8	-1.8	1.6	1.6	
BTF3	basic transcription factor 3					-1.3				1.3				
BTG1	B-cell translocation gene 1, anti-proliferative	9.3	9.3	9.1	9.1	4.4	4.4	1.2		3.9	3.9	8.8	8.8	
BTG2	BTG family, member 2	3.1	3.1	2.9	2.9	2.3	2.3			3.9	3.9	58.4	58.4	
BTG3	BTG family, member 3	-1.2		-1.2				-1.6	-1.6	1.2		-2.2	-2.2	
BTN3A2	butyrophilin, subfamily 3, member A2							-5.8	-5.8	-1.2		3.9	3.9	
BTN3A3	butyrophilin, subfamily 3, member A3					-2.0		-5.9	-5.9	-1.4	-1.4	4.2	4.2	
BUB1	BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast)			1.4				-1.3	-1.3	1.4	1.4	-1.3	-1.3	
BUB1B	BUB1 budding uninhibited by benzimidazoles 1 homolog beta (yeast)	1.3						-1.9	-1.9			1.3		
BUB3	BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast)							-1.4	-1.4	1.3	1.3	-1.4	-1.4	
BUD31	BUD31 homolog (yeast)													
BYSL	bystin-like	-2.2	-2.2	-1.8	-1.8	-2.3	-2.3	-6.2	-6.2	-8.4	-8.4	-4.0	-4.0	
BZRP	translocator protein (18kDa)	1.3		1.4		1.4				-1.8	-1.8	-1.4	-1.4	
C13ORF24	chromosome 13 open reading frame 24					-1.2		1.2	1.2			-1.5	-1.5	
C14ORF11	chromosome 14 open reading frame 11	-1.5		1.4										
C19ORF10	chromosome 19 open reading frame 10	-1.3		-1.5	-1.5			1.3	1.3			-2.2	-2.2	
C19ORF2	chromosome 19 open reading frame 2	-1.3		-1.4	-1.4	-1.2		1.8	1.8	-1.3	-1.3	-2.7	-2.7	
C19ORF29	chromosome 19 open reading frame 29			-1.2		1.7				-1.6	-1.6			
C1D	nuclear DNA-binding protein			-1.3	-1.3	-1.4		-1.6	-1.6					

CAT	catalase		1.3	1.3	1.8	1.8			4.5	4.5	-1.3	-1.3		1.4	1.4
CBFA2T2	core-binding factor, runt domain, alpha subunit 2; translocated to, 2				1.4		1.2		1.5	1.5	1.3			-1.3	-1.3
CBFA2T3	core-binding factor, runt domain, alpha subunit 2; translocated to, 3	-2.1	-2.1	-2.3	-2.3						1.5	1.5		1.3	1.3
CBFB	core-binding factor, beta subunit								-2.3	-2.3				1.5	1.5
CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence			-1.3					1.6	1.6				-1.2	
CBLB	Cas-Br-M (murine) ecotropic retroviral transforming sequence b			2.1	2.1	1.2			-1.6	-1.6	1.8	1.8		4.1	4.1
CBX1	chromobox homolog 1 (HP1 beta homolog Drosophila)					-1.4								-1.6	-1.6
CBX3	chromobox homolog 3 (HP1 gamma homolog, Drosophila)	-1.2		-1.3					2.2	2.2	-1.8		1.2	-2.1	-2.1
CBX5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	1.2				-1.2			-10.9	-10.9	-2.1			3.1	3.1
CBX6	chromobox homolog 6	-1.3		-1.3	-1.3				-1.4	-1.4	-2.1	-2.1		-2.0	-2.0
CBX7	chromobox homolog 7														
CCBL1	cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kynurenine aminotransferase)						1.4								
CCBP2	chemokine binding protein 2			-1.2			1.7								
CCDC28A	coiled-coil domain containing 28A	1.6	1.6	1.7	1.7				-1.3	-1.3				1.8	1.8
CCDC6	coiled-coil domain containing 6	1.3		2.4	2.4	1.6			2.6	2.6	1.9	1.9		-4.5	-4.5
CCDC85B	coiled-coil domain containing 85B	-1.4		-1.9	-1.9	-1.3			1.2		-1.8	-1.8		-4.1	-4.1
CCHCR1	coiled-coil alpha-helical rod protein 1					1.4	1.4		-1.3		1.2			1.5	
CCKAR	cholecystokinin A receptor	1.2													
CCNA2	cyclin A2			1.3					-2.2	-2.2	1.3	1.3		1.5	1.5
CCNB1	cyclin B1								-1.5	-1.5	1.9	1.9		2.6	2.6
CCNB2	cyclin B2	1.4	1.4	1.5	1.5						1.4	1.4		1.4	1.4
CCNC	cyclin C			1.5		-1.2			1.4	1.3	-1.8			-1.4	-1.4
CCND3	cyclin D3			-1.4	-1.4	-1.8	-1.8	-10.6	-10.6	-10.6				7.2	7.2
CCNE1	cyclin E1			1.7					2.3	2.3				-14.9	-14.9
CCNE2	cyclin E2	1.2	1.2	1.3	1.3				-2.9	-2.9	-1.3	-1.3		2.2	2.2
CCNF	cyclin F	1.3		1.2		1.6			-2.6	-2.6	2.0	2.0		2.7	2.7
CCNG1	cyclin G1			1.7		1.3			1.8	1.8	1.3	1.3			
CCNG2	cyclin G2	2.3	2.3	1.6	1.6	1.3					2.2	2.2		3.1	3.1
CCNH	cyclin H								1.6	1.6	1.3	1.3		-1.5	-1.5
CCNI	cyclin I			1.3					-1.7	-1.7	1.5	1.5		1.6	1.6
CCNT1	cyclin T1								1.3					-1.2	
CCNT2	cyclin T2	-1.4		-1.2					2.6	2.6	2.0	2.0		-2.0	-2.0
CCR4	chemokine (C-C motif) receptor 4						4.7								
CCR7	chemokine (C-C motif) receptor 7	-1.6	-1.6	-1.4	-1.4	-1.4									
CCRL2	chemokine (C-C motif) receptor-like 2	1.2		1.5											
CCT2	chaperonin containing TCP1, subunit 2 (beta)	-1.3	-1.3	-1.4	-1.4	-1.3					-2.2	-2.2		-2.1	-2.1
CCT3	chaperonin containing TCP1, subunit 3 (gamma)	-1.3		-1.5	-1.5	-1.4			1.2	1.2	-1.6	-1.6		-1.7	-1.7
CCT4	chaperonin containing TCP1, subunit 4 (delta)					-1.4					-1.4	-1.4		-1.4	-1.4
CCT5	chaperonin containing TCP1, subunit 5 (epsilon)	-1.6	-1.6	-1.8	-1.8	-1.7			-1.3		-1.5	-1.5		-1.5	-1.5
CCT6A	chaperonin containing TCP1, subunit 6A (zeta 1)	-1.6	-1.6	-1.4	-1.4	-1.7	-1.7	4.9	4.9	4.9	-1.4			-5.1	-5.1
CCT7	chaperonin containing TCP1, subunit 7 (eta)	-1.4		-1.5	-1.5	-1.6	-1.6				-1.5	-1.5		-2.1	-2.1
CCT8	chaperonin containing TCP1, subunit 8 (theta)	-1.7		-1.5	-1.5	-1.6			1.2	1.2	-1.6	-1.6		-1.3	-1.3
CD164	CD164 molecule, sialomucin	1.3		1.4	1.4	1.5			-1.7	-1.7	1.8	1.8		2.6	2.6
CD1A	CD1a molecule	-1.5		-1.8	-1.8										
CD1C	CD1c molecule	-1.4													
CD1D	CD1d molecule	-2.0	-2.0	-1.2											
CD1E	CD1e molecule	-2.6	-2.6	-2.0	-2.0										
CD2AP	CD2-associated protein													1.4	1.4
CD34	CD34 molecule								12.3	12.3	-3.0	-3.0		-18.1	-18.1
CD37	CD37 molecule	1.2							2.5	2.5				-4.9	-4.9
CD38	CD38 molecule	-1.3							-2.9	-2.9	-2.4	-2.4		8.4	8.4
CD3D	CD3d molecule, delta (CD3-TCR complex)	1.2	1.2	1.3	1.3										
CD3E	CD3e molecule, epsilon (CD3-TCR complex)			1.2		1.3									
CD3G	CD3g molecule, gamma (CD3-TCR complex)			1.2											
CD3Z	CD247 molecule														
CD4	CD4 molecule	1.2		1.4	1.4				5.4	5.4				-5.8	-5.8
CD40	CD40 molecule, TNF receptor superfamily member 5					1.5			-1.4	-1.4				1.3	1.3
CD44	CD44 molecule (Indian blood group)	-1.7	-1.7			-1.9			3.2	3.2	-3.0	-3.0		-13.1	-13.1

CD47	CD47 molecule	1.7	1.7	1.9	1.9	1.5		-2.4	-2.4	-1.7	-1.7	2.0	2.0
CD48	CD48 molecule	1.9	1.9	2.6	2.6			-14.5	-14.5	-2.5	-2.5	4.3	4.3
CD52	CD52 molecule	1.6										98.6	98.6
CD53	CD53 molecule	3.1	3.1	3.4	3.4	3.2	3.2	1.4	1.4	3.1	3.1	7.2	7.2
CD58	CD58 molecule			1.3				-1.3		3.0	3.0	2.5	2.5
CD59	CD59 molecule, complement regulatory protein	1.3		2.2	2.2	1.8	1.8	-3.7	-3.7	1.3		10.6	10.6
CD6	CD6 molecule			-1.3									
CD63	CD63 molecule			1.5	1.5			1.4	1.4	1.2	1.2		
CD69	CD69 molecule	4.9	4.9	4.7	4.7	2.0	2.0	6.3	6.3	3.8	3.8	-1.5	-1.5
CD7	CD7 molecule	1.3	1.3			1.3							
CD72	CD72 molecule					1.4		-23.3	-23.3	1.6	1.6	31.2	31.2
CD79A	CD79a molecule, immunoglobulin-associated alpha	2.0	2.0	2.5	2.5	3.6	3.6	-24.9	-24.9	1.3	1.3	24.6	24.6
CD81	CD81 molecule	-1.2		-1.3		-1.2		-1.9	-1.9			1.3	1.3
CD83	CD83 molecule							2.1	2.1	-1.4		-1.6	
CD8A	CD8a molecule	1.9		2.8	2.8	2.0							
CD99	CD99 molecule	1.2		1.5	1.5	1.8	1.8	1.7	1.7	3.4	3.4	2.6	2.6
CDC123	cell division cycle 123 homolog (S. cerevisiae)	-1.3	-1.3	-1.4	-1.4	-1.6				-1.7	-1.7	-2.0	-2.0
CDC16	cell division cycle 16 homolog (S. cerevisiae)							1.6	1.6	1.2	1.2	1.2	
CDC2	cell division cycle 2, G1 to S and G2 to M			-1.2				-1.6	-1.6	2.0	2.0		
CDC20	cell division cycle 20 homolog (S. cerevisiae)									1.5	1.5		
CDC23	cell division cycle 23 homolog (S. cerevisiae)							-1.9	-1.9	-1.3	-1.3	-2.1	-2.1
CDC25A	cell division cycle 25 homolog A (S. cerevisiae)	-1.4	-1.4	-1.2		-1.4		-1.6	-1.6	-1.4	-1.4	-19.4	-19.4
CDC25B	cell division cycle 25 homolog B (S. cerevisiae)							-1.2	-1.2	1.6	1.6	1.6	1.6
CDC25C	cell division cycle 25 homolog C (S. cerevisiae)	1.4		1.5	1.5					1.5			
CDC27	cell division cycle 27 homolog (S. cerevisiae)							1.2		1.4	1.4	-1.5	-1.5
CDC2L1	cell division cycle 2-like 1 (PITSLRE proteins)	1.3				1.3							
CDC2L2	cell division cycle 2-like 2 (PITSLRE proteins)									1.5	1.5	1.3	
CDC2L6	cell division cycle 2-like 6 (CDK8-like)	1.6		1.3		1.8	1.8	-1.4	-1.4	3.3	3.3	3.8	3.8
CDC34	cell division cycle 34 homolog (S. cerevisiae)											-1.2	
CDC37	cell division cycle 37 homolog (S. cerevisiae)			-1.3		-1.2							
CDC40	cell division cycle 40 homolog (S. cerevisiae)							1.3		-1.2			
CDC42EP3	CDC42 effector protein (Rho GTPase binding) 3					2.0		-1.6	-1.6	4.0	4.0	6.2	6.2
CDC45L	CDC45 cell division cycle 45-like (S. cerevisiae)												
CDC5L	CDC5 cell division cycle 5-like (S. pombe)									1.3	1.3	1.6	1.6
CD6	cell division cycle 6 homolog (S. cerevisiae)	-1.3	-1.3	-1.2		-1.5	-1.5	-1.7	-1.7	-2.9	-2.9	-4.7	-4.7
CD7	cell division cycle 7 homolog (S. cerevisiae)	1.3	1.3					-1.4	-1.4	-1.4	-1.4	-2.4	-2.4
CDH2	cadherin 2, type 1, N-cadherin (neuronal)					-1.4		30.0	30.0			-72.0	-72.0
CDH4	cadherin 4, type 1, R-cadherin (retinal)	1.3		1.5	1.5	1.5				2.0	2.0	1.2	
CDIPT	CDP-diacylglycerol--inositol 3-phosphatidylinositol transferase (phosphatidylinositol synthase)							-1.6	-1.6	1.4	1.4	2.8	2.8
CDK2	cyclin-dependent kinase 2			1.3	1.3			-2.3	-2.3	-1.5	-1.5	-1.6	-1.6
CDK2AP1	CDK2-associated protein 1					-1.4							
CDK4	cyclin-dependent kinase 4	-1.4	-1.4	-1.8	-1.8	-1.6	-1.6			-2.4	-2.4	-4.4	-4.4
CDK5	cyclin-dependent kinase 5	1.2				1.3		-1.9				1.6	1.6
CDK6	cyclin-dependent kinase 6			1.6	1.6	1.2		-3.0	-3.0	-1.5	-1.5	2.1	2.1
CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)					-1.6		2.1	2.1			-1.6	-1.6
CDK8	cyclin-dependent kinase 8			1.2				-1.5	-1.5			1.3	
CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)	1.3		1.6	1.6			-7.3	-7.3	1.7	1.7	10.9	10.9
CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	1.7	1.7	1.4				-1.6	-1.6	1.6	1.6	3.6	3.6
CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	1.2		1.6	1.6	1.3				1.5	1.3	1.6	1.6
CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)											11.1	11.1
CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)					-1.2		-1.4	-1.4	1.5	1.5	1.2	1.2
CDR2	cerebellar degeneration-related protein 2, 62kDa	-1.7				-1.7							
CDS2	CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 2					1.3				1.6	1.6	1.6	1.5
CDT1	chromatin licensing and DNA replication factor 1	-1.3		-1.4	-1.4			-1.3		-1.4		-4.6	-4.6
CDYL	chromodomain protein, Y-like									1.5		-1.2	
CEBPB	CCAAT/enhancer binding protein (C/EBP), beta	-1.4		-1.9	-1.9	-1.4		1.5	1.5	-1.5	-1.5	-3.1	-3.1
CEBPG	CCAAT/enhancer binding protein (C/EBP), gamma	-1.2						-1.3	-1.3			-1.6	-1.6
CEBPZ	CCAAT/enhancer binding protein zeta	-1.5	-1.5	-1.4	-1.4	-1.8	-1.8	-2.2	-1.7	-2.6	-1.5	-2.5	-2.5

CENPA	centromere protein A	1.3		1.3	1.3			-1.4	-1.3	1.7	1.7	1.4	1.4
CENPB	centromere protein B, 80kDa											-1.5	-1.5
CENPC1	centromere protein C 1	1.5	1.5	1.6	1.6					1.3	1.3		
CENPE	centromere protein E, 312kDa					1.4	1.4			1.6	1.6	2.0	2.0
CENPF	centromere protein F, 350/400ka (mitosin)							-2.3	-2.3	1.5	1.5	2.3	2.3
CENTB1	centaurin, beta 1							-21.1	-21.1			42.8	42.8
CENTB2	centaurin, beta 2	1.3		1.8	1.8	1.3	1.3	1.5	1.5	1.5	1.5	1.3	
CENTD1	centaurin, delta 1			-1.2				-1.2		1.8	1.8	3.3	3.3
CENTD2	centaurin, delta 2												
CENTG2	centaurin, gamma 2			1.8						-1.3	-1.3		
CEP110	centrosomal protein 110kDa												
CEP2	centrosomal protein 250kDa	1.2											
CETN2	centrin, EF-hand protein, 2							-1.2					
CETN3	centrin, EF-hand protein, 3 (CDC31 homolog, yeast)	-1.4		-1.3		-1.4		-1.5	-1.5				
CFL1	cofilin 1 (non-muscle)							-1.6	-1.6			1.3	1.3
CFLAR	CASP8 and FADD-like apoptosis regulator			1.7		1.5	1.5	3.8	3.8	2.1	2.1	-1.6	
CGB	chorionic gonadotropin, beta polypeptide					1.3							
CGGBP1	CGG triplet repeat binding protein 1			1.4								1.4	1.4
CGRRF1	cell growth regulator with ring finger domain 1	1.8		1.3		-1.2						1.2	
CH25H	cholesterol 25-hydroxylase	2.3	2.3	1.9									
CHAF1A	chromatin assembly factor 1, subunit A (p150)			-1.3				-1.2		-2.3	-2.3	-2.7	-2.7
CHAF1B	chromatin assembly factor 1, subunit B (p60)							-1.7	-1.7			-2.4	-2.4
CHC1	regulator of chromosome condensation 1	-1.7	-1.7	-2.1	-2.1	-1.6	-1.6	-1.2		-1.8	-1.8	-1.7	-1.7
CHC1L	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	1.4								-1.2		1.4	
CHD1	chromodomain helicase DNA binding protein 1					-1.2		1.2		-1.3	-1.3	-1.3	-1.3
CHD3	chromodomain helicase DNA binding protein 3			1.2				-9.4	-9.4	-1.5	-1.3	5.0	5.0
CHD4	chromodomain helicase DNA binding protein 4					-1.2				-1.4	-1.4		
CHD8	chromodomain helicase DNA binding protein 8									-1.3	-1.3		
CHEK1	CHK1 checkpoint homolog (S. pombe)							-1.8	-1.8	-1.3	-1.3	-2.1	-2.1
CHERP	calcium homeostasis endoplasmic reticulum protein			-1.3						-1.4	-1.4	-1.6	-1.6
CHES1	checkpoint suppressor 1	1.5	1.5	1.6	1.6			1.8	1.8	1.6	1.6	1.5	1.5
CHI3L2	chitinase 3-like 2	-1.3		-1.9	-1.9	-1.8	-1.8	-3.1	-3.1				
CHIT1	chitinase 1 (chitotriosidase)					1.4							
CHP	calcium binding protein P22	1.2		1.2		1.3		2.4	2.4			1.6	1.6
CHRM3	cholinergic receptor, muscarinic 3					1.3							
CHRNA5	cholinergic receptor, nicotinic, alpha 5							-2.2	-2.2	-1.5		1.7	1.7
CHRNB1	cholinergic receptor, nicotinic, beta 1 (muscle)	1.4		1.3	1.3	1.4							
CHST1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	1.3				1.2							
CHST10	carbohydrate sulfotransferase 10							2.3	2.3			-2.6	-2.6
CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	-1.4	-1.4	1.6	1.6					1.2			
CHSY1	carbohydrate (chondroitin) synthase 1	-1.2						1.8	1.8	2.5	2.5	-2.1	-2.1
CHUK	conserved helix-loop-helix ubiquitous kinase	-1.2		-1.2		-1.3		1.5	1.5			-1.5	-1.5
CIAPIN1	cytokine induced apoptosis inhibitor 1	1.2		1.7	1.7			1.3	1.3	-1.6	-1.6	-1.8	-1.8
CIB1	calcium and integrin binding 1 (calmyrin)	-1.3										-1.3	
CIC	capicua homolog (Drosophila)											2.4	2.4
CIR	CBF1 interacting corepressor			1.6	1.6	-1.3				1.2			
CIT	citron (rho-interacting, serine/threonine kinase 21)	1.5		1.3									
CITED2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	1.3		1.4				10.5	10.5	2.8	2.8	-7.0	-7.0
CKAP5	cytoskeleton associated protein 5												
CKB	creatine kinase, brain					1.3		3.2	3.2			-5.0	-5.0
CKM	creatine kinase, muscle					1.3							
CKS1B	CDC28 protein kinase regulatory subunit 1B	-1.4		-1.6	-1.6			-1.6	-1.6			-1.4	-1.4
CKS2	CDC28 protein kinase regulatory subunit 2							-1.3	-1.3	1.2	1.2		
CLASP1	cytoplasmic linker associated protein 1					1.7	1.7	1.5	1.5	1.7		1.8	1.8
CLASP2	cytoplasmic linker associated protein 2					-1.3		-1.7	-1.7	1.7	1.7	2.6	2.6
CLCN3	chloride channel 3					1.4		-3.0	-3.0	-1.3		3.5	3.5
CLCN5	chloride channel 5 (nephrolithiasis 2, X-linked, Dent disease)					1.5		-1.4				-1.6	-1.6
CLCN7	chloride channel 7	1.3				1.5		1.2				-1.3	-1.3

CLEC11A	C-type lectin domain family 11, member A				-1.3				1.5	1.5	1.4	1.4	-10.9	-10.9
CLIC1	chloride intracellular channel 1								-1.3	-1.3	1.3	1.3		
CLIC4	chloride intracellular channel 4	-1.4			-1.2		-1.4		-2.2	-2.2	1.4		2.0	2.0
CLK1	CDC-like kinase 1	1.2			1.7	1.7	1.3		1.5	1.5	1.7	1.7	1.6	1.6
CLK2	CDC-like kinase 2													
CLK3	CDC-like kinase 3													
CLN3	ceroid-lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeier-Vogt disease)												1.6	
CLNS1A	chloride channel, nucleotide-sensitive, 1A	-1.2			-1.3	-1.3	-1.4							
CLOCK	clock homolog (mouse)						-1.3		1.2		2.0		-1.4	-1.4
CLPP	ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli)	1.5	1.5				1.4				-1.3	-1.3	-1.3	-1.3
CLPX	ClpX caseinolytic peptidase X homolog (E. coli)	-1.2					-1.3							
CLSTN1	calsyntenin 1	1.3	1.3						1.3	1.3			-1.4	-1.4
CLTA	clathrin, light chain (Lca)								1.4	1.4	1.4		-1.3	-1.3
CLTB	clathrin, light chain (Lcb)	1.3					-1.4		-2.0	-2.0	-1.4	-1.4	-1.3	-1.3
CLTC	clathrin, heavy chain (Hc)						-1.5	-1.5	1.4	1.4			-1.3	-1.3
CLU	clusterin						1.4							
CMA1	chymase 1, mast cell													
CMAH	cytidine monophosphate-N-acetylneuraminic acid hydroxylase (CMP-N-acetylneuraminate monooxygenase)						1.7				-1.4	-1.4	1.6	
CNAP1	non-SMC condensin I complex, subunit D2				1.4	1.4			-2.7	-2.7			2.2	2.2
CNIH	cornichon homolog (Drosophila)						-1.4							
CNKSR1	connector enhancer of kinase suppressor of Ras 1													
CNNM2	cyclin M2				1.4				1.7	1.7			-1.5	
CNOT1	CCR4-NOT transcription complex, subunit 1	1.2	1.2								-1.2	-1.2	-1.4	-1.4
CNOT4	CCR4-NOT transcription complex, subunit 4								1.5	-1.3	1.4	1.4	1.4	
CNOT8	CCR4-NOT transcription complex, subunit 8								-1.4	-1.4	1.3			
CNP	2',3'-cyclic nucleotide 3' phosphodiesterase	-1.3	-1.3				1.3		-1.3	-1.3	-1.3		-1.2	
CNTN1	contactin 1						1.3		-1.5		-1.2			
COASY	Coenzyme A synthase				1.3									
COBRA1	cofactor of BRCA1						1.2		-1.3	-1.3				
COG2	component of oligomeric golgi complex 2				-1.3								-1.7	-1.7
COG4	component of oligomeric golgi complex 4				1.2	1.2							1.4	1.4
COG5	component of oligomeric golgi complex 5								2.0	1.3	-1.3	-1.3	-1.4	
COIL	coilin				-1.2		1.3		1.2				-2.0	-2.0
COL6A1	collagen, type VI, alpha 1				1.5						2.1	2.1		
COL8A1	collagen, type VIII, alpha 1	-1.4									1.3			
COMMD4	COMM domain containing 4	1.2											-1.5	-1.5
COMT	catechol-O-methyltransferase	-1.4			-1.7	-1.7	-1.4		-2.1	-2.1	-1.4		1.9	
COPA	coatamer protein complex, subunit alpha	1.2			1.4	1.4			1.2	1.2			1.9	1.9
COPB	coatamer protein complex, subunit beta 1								1.4	1.4				
COPB2	coatamer protein complex, subunit beta 2 (beta prime)				1.2				1.2	1.2			1.2	
COPE	coatamer protein complex, subunit epsilon													
COPS2	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	-1.2			1.6		-1.3		1.6	1.6	-1.2	-1.2	-2.4	-2.4
COPS3	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)						-1.2		-2.0	-2.0	-1.2	-1.2		
COPS5	COP9 constitutive photomorphogenic homolog subunit 5 (Arabidopsis)						-1.3							
COPS6	COP9 constitutive photomorphogenic homolog subunit 6 (Arabidopsis)	-1.2							-1.7	-1.7	-1.5	-1.5	-1.8	-1.8
COPS7A	COP9 constitutive photomorphogenic homolog subunit 7A (Arabidopsis)								-1.4	-1.4			1.3	1.3
COPS8	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)						-1.4		-3.2	-3.2	1.3		2.6	2.6
COQ7	coenzyme Q7 homolog, ubiquinone (yeast)	-1.3			1.2		-1.3						1.8	
CORO1A	coronin, actin binding protein, 1A	1.3					1.3		-1.4		-1.7	-1.7		
CORO2A	coronin, actin binding protein, 2A	1.3												
CORT	cortistatin													
COVA1	cytosolic ovarian carcinoma antigen 1				1.3		1.2				1.8	1.8	1.8	
COX11	COX11 homolog, cytochrome c oxidase assembly protein (yeast)						-1.5		4.1	4.1	-1.4	-1.3	-2.9	-2.9
COX17	COX17 cytochrome c oxidase assembly homolog (S. cerevisiae)						-1.5				1.6	1.6		
COX411	cytochrome c oxidase subunit IV isoform 1													
COX5A	cytochrome c oxidase subunit Va				-1.2		-1.2						-1.6	-1.6
COX5B	cytochrome c oxidase subunit Vb										-1.2	-1.2	-1.6	-1.6
COX6A1	cytochrome c oxidase subunit VIa polypeptide 1								-1.2	-1.2				

CSTF1	cleavage stimulation factor, 3' pre-RNA, subunit 1, 50kDa				1.2		-1.3		1.6	1.6	1.3	1.3	-1.7	-1.7
CSTF2	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa													
CSTF3	cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kDa								2.2	2.2	-1.3		-4.0	-4.0
CTAGE5	CTAGE family, member 5				1.2						1.5		1.3	
CTBP1	C-terminal binding protein 1	1.3	1.3	1.4	1.4	1.3	1.3	-1.5	-1.5	1.3	1.3		2.2	2.2
CTCF	CCCTC-binding factor (zinc finger protein)	-1.2						-1.2	-1.2					
CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1						-1.4		-1.3					
CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	1.4	1.4	1.5	1.5	1.6		1.9	1.9	-1.3	-1.3	-1.3	-1.3	-1.2
CTNNA1	catenin (cadherin-associated protein), alpha 1, 102kDa	1.3	1.3	1.6	1.6	-1.3				1.7	1.7	1.7	1.7	1.7
CTNNAL1	catenin (cadherin-associated protein), alpha-like 1				1.2		-1.3	-1.3	-2.0	-2.0				
CTNNB1	catenin (cadherin-associated protein), beta 1, 88kDa							1.4	1.4	1.4	1.4	1.4	2.5	2.5
CTPS	CTP synthase	-1.7		-2.5			-1.8	-1.5	-1.5	-1.4	-1.4	-1.4	-2.4	-2.4
CTR9	Ctr9, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)			1.2				1.4	1.4	-1.3			-1.9	-1.9
CTSB	cathepsin B	1.2						1.9	1.6	2.1	2.1	2.1	2.4	2.4
CTSC	cathepsin C													
CTSC	--	-1.5	-1.5	-1.3	-1.3	-1.4		2.7	2.7	-5.2	-5.2	-5.2	-7.0	-7.0
CTSD	cathepsin D	1.2				1.2		2.0						
CTSH	cathepsin H							-1.4	-1.4					
CTSW	cathepsin W													
CUGBP1	CUG triplet repeat, RNA binding protein 1							-1.8	-1.8	-1.3	-1.3	-1.4	-1.4	-1.4
CUGBP2	CUG triplet repeat, RNA binding protein 2	2.1	2.0	2.2	2.2	1.8	1.8	5.7	5.7	2.4	2.4	2.4	2.0	1.7
CUL1	cullin 1	1.7	1.7	1.6	1.6	1.2		-1.3	-1.3				2.0	
CUL2	cullin 2							3.6	3.6	1.3			-3.9	-3.9
CUL4A	cullin 4A	1.2					-1.4	1.5	1.5	1.4	1.4		-1.5	-1.5
CUL4B	cullin 4B												2.8	2.8
CUL5	cullin 5						1.3	1.4	1.4				1.3	
CUL7	cullin 7				-1.3								1.6	1.6
CUTL1	cut-like 1, CCAAT displacement protein (Drosophila)				1.4	1.4	1.5	-1.7	-1.5	1.7	1.7	1.7	1.9	1.9
CXCR4	chemokine (C-X-C motif) receptor 4	1.3	1.3	1.3	1.3	1.5	1.5	-2.5	-2.5	1.8	1.8	1.8	63.4	63.4
CXORF40A	chromosome X open reading frame 40A						-1.4	-1.2	-1.2					
CYB5	cytochrome b5 type A (microsomal)				1.3		1.7	-1.3	-1.3	2.3	2.3		-1.5	-1.5
CYB5-M	cytochrome b5 type B (outer mitochondrial membrane)						-1.4	-1.4	-1.4					
CYBA	cytochrome b-245, alpha polypeptide									1.6	1.6			
CYC1	cytochrome c-1	-1.3	-1.3	-1.3	-1.3	-1.5		1.5	1.5	-1.6	-1.6	-1.6	-4.4	-4.4
CYCS	cytochrome c, somatic	-1.6	-1.6	-1.6	-1.6	-1.9	-1.9	4.9	4.9	-1.6	-1.6	-1.6	-13.5	-13.5
CYFIP1	cytoplasmic FMR1 interacting protein 1							-2.0	-2.0	2.3	2.3	2.3	2.9	2.9
CYFIP2	cytoplasmic FMR1 interacting protein 2				-1.5	-1.5	-1.3	-1.3	-44.2	-44.2	-2.8	-2.8	50.3	50.3
CYLD	cylindromatosis (turban tumor syndrome)				1.4			2.9		-1.4			-1.9	-1.9
CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	1.2				1.6								
CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1							-1.4		-2.0				
CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	-1.4					-1.4	-1.4	1.3	1.3	1.3		-2.1	-2.1
D4S234E	DNA segment on chromosome 4 (unique) 234 expressed sequence	1.3										-1.5		
DAAM1	dishevelled associated activator of morphogenesis 1				1.2		-1.5	-3.4	-3.4	1.7	1.7		8.5	8.5
DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)						-1.7	50.8	50.8	-2.4	-2.4	-2.4	-32.6	-32.6
DACH1	dachshund homolog 1 (Drosophila)						1.2	8.1	8.1				-7.6	-7.6
DAD1	defender against cell death 1							-4.1	-4.1				2.7	2.7
DAG1	dystroglycan 1 (dystrophin-associated glycoprotein 1)							1.5	1.5					
DAP	death-associated protein				1.2									
DAP3	death associated protein 3	-1.4	-1.4	-1.2			-1.6	1.9	1.9				-1.7	-1.7
DAPK1	death-associated protein kinase 1						-1.3	3.4	3.4				-4.0	-4.0
DAPK3	death-associated protein kinase 3	1.2	1.2					-1.6	1.5	-1.3	-1.3	-1.3	-1.8	-1.8
DARS	aspartyl-tRNA synthetase				-1.2		-1.4	1.3	1.3	1.2	1.2		-1.5	-1.5
DATF1	death inducer-obliterater 1				1.4			1.3	1.3	1.5	1.5	1.5	1.8	1.8
DAXX	death-associated protein 6				-1.2		-1.2							
DAZAP2	DAZ associated protein 2	1.2						-1.7	-1.7	-1.3			1.7	1.7
DBI	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)				-1.3	-1.3	-1.3	-1.9	-1.9	-1.4			1.5	1.5
DBN1	drebrin 1	-1.5	-1.5	-1.8	-1.8	-1.2		-1.5	-1.5				-1.3	
DCK	deoxycytidine kinase				1.4	1.4		-1.9	-1.9	1.3	1.3	1.3	2.4	2.4

DLAT	dihydropyrimidine S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	-1.3				-1.5	-1.6	-1.6	-2.1	-2.1	-2.2	-2.2
DLD	dihydropyrimidine dehydrogenase					-1.2	-1.3	-1.3	-1.3	-1.3		
DLEU1	deleted in lymphocytic leukemia, 1	-1.4		-1.6	-1.6		1.5	1.5	-1.8	-1.8	-2.0	-2.0
DLEU2	deleted in lymphocytic leukemia, 2											
DLG1	discs, large homolog 1 (Drosophila)	-1.3				1.3	-1.5	-1.5	-1.9	-1.9	1.8	1.8
DLG5	discs, large homolog 5 (Drosophila)					1.3	1.3	2.2	2.2	2.0	2.0	3.1
DLG7	discs, large homolog 7 (Drosophila)			1.4			-1.3	-1.3			1.8	1.8
DLGAP1	discs, large (Drosophila) homolog-associated protein 1						1.2		-1.3		-1.2	
DLST	dihydropyrimidine S-succinyltransferase (E2 component of 2-oxo-glutarate complex)						-1.2				1.5	1.5
DMPK	dystrophia myotonica-protein kinase	1.3		1.4							-1.2	
DMTF1	cyclin D binding myb-like transcription factor 1						-1.3		1.3		1.8	1.8
DMWD	dystrophia myotonica-containing WD repeat motif			1.3		1.4					-1.5	-1.5
DMXL1	Dmx-like 1	1.4					2.2	2.2	-2.7	1.8	1.6	1.6
DMXL2	Dmx-like 2	1.6	1.6			-1.3	1.7	1.7	-1.4		-1.2	-1.2
DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1	-1.3	-1.3			-1.7	-1.7	-1.7	-1.7	-1.4	-1.4	
DNAJA2	DnaJ (Hsp40) homolog, subfamily A, member 2			-1.2		-1.4	15.8	15.8	1.2		-25.2	-25.2
DNAJB1	DnaJ (Hsp40) homolog, subfamily B, member 1					-1.4	-1.9	-1.9	1.4		1.5	1.5
DNAJB6	DnaJ (Hsp40) homolog, subfamily B, member 6					-1.3	-1.7	-1.7	1.3		2.0	2.0
DNAJC11	DnaJ (Hsp40) homolog, subfamily C, member 11	-1.2	-1.2	-1.4	-1.4		1.4	1.4	1.9	1.9	-1.8	-1.8
DNAJC13	DnaJ (Hsp40) homolog, subfamily C, member 13						2.0	2.0			-1.7	
DNAJC3	DnaJ (Hsp40) homolog, subfamily C, member 3			1.6			1.7	1.7				
DNAJC7	DnaJ (Hsp40) homolog, subfamily C, member 7						1.3	1.3	-1.4	-1.4	-1.6	-1.6
DNCH1	dynein, cytoplasmic 1, heavy chain 1	1.3							4.0	4.0	1.8	1.8
DNCL1	dynein, light chain, LC8-type 1											
DNM1	dynamitin 1					1.3						
DNM1L	dynamitin 1-like						1.5				-1.7	1.2
DNM2	dynamitin 2					1.3	1.3				1.3	
DNMT1	DNA (cytosine-5)-methyltransferase 1								-1.4	-1.4	-2.8	-2.8
DNPEP	aspartyl aminopeptidase	-1.2	-1.2	-1.3	-1.3	-1.4	-4.5	-4.5	-1.6	-1.6	1.6	1.6
DOC-1R	CDK2-associated protein 2						-2.0	-2.0	2.0	2.0	2.5	2.5
DOCK2	dedicator of cytokinesis 2						1.8	1.8			-2.8	-2.8
DOCK9	dedicator of cytokinesis 9			-1.3		-1.5			5.7	5.7		
DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)			1.7	1.7	1.3	2.3	2.3			-2.3	-2.3
DPAGT1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminophosphotransferase 1 (GlcNAc-1-P transferase)								-1.8	-1.8	-1.6	-1.6
DPEP1	dipeptidase 1 (renal)	1.9	1.9			4.0	4.0		13.0	13.0	15.1	15.1
DPF2	D4, zinc and double PHD fingers family 2					1.5			1.3			
DPH2L1	DPH1 homolog (S. cerevisiae)					-1.3	-1.7	-1.7			1.6	1.6
DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit					-1.2					-1.4	-1.4
DPM2	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit						-1.2				-1.5	-1.5
DPT	dermatopontin			1.2		1.3	-22.5	-22.5			2.9	
DPYD	dihydropyrimidine dehydrogenase	1.2				-1.3	-8.8	-8.8			7.7	7.7
DPYSL2	dihydropyrimidine-like 2			1.3		-1.3	-4.2	-4.2	3.1	3.1	3.7	3.7
DR1	down-regulator of transcription 1, TBP-binding (negative cofactor 2)			1.8	1.6		-1.6	-1.6	1.2			
DRAP1	DR1-associated protein 1 (negative cofactor 2 alpha)					-1.2	-1.5	-1.5	-2.2	-2.2		
DRG1	developmentally regulated GTP binding protein 1					-1.5	-1.5		-1.4	-1.4	-1.6	-1.6
DSCR1	Down syndrome critical region gene 1	5.0	5.0	8.2	8.2	4.8	4.8	1.6	1.5	7.7	7.9	7.9
DSG2	desmoglein 2					-1.3		86.2	86.2	-1.9	-43.8	-43.8
DST	dystonin			1.5		-1.2	-8.3	-8.3			15.8	15.8
DSTN	destrin (actin depolymerizing factor)			1.7	1.7		3.9	3.9			1.2	
DTX4	deltex 4 homolog (Drosophila)						-2.2	-2.2			3.3	3.3
DTYMK	deoxythymidylate kinase (thymidylate kinase)			-1.7		-1.3	-1.9	-1.9	-1.3		1.4	1.2
DULLARD	dullard homolog (Xenopus laevis)					-1.2	-1.4	-1.4	1.8	1.8	1.4	1.4
DUSP10	dual specificity phosphatase 10	2.7	2.7	7.3	7.3	1.4	-1.4	-1.4			1.9	1.9
DUSP11	dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)								-1.3	-1.3	1.4	1.4
DUSP14	dual specificity phosphatase 14					-1.3			-1.3		-1.6	-1.6
DUSP3	dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related)			-1.6		-1.6	6.4	6.4			-17.5	-17.5
DUSP6	dual specificity phosphatase 6	1.4		1.8	1.8		15.8	15.8	1.7	1.7	-28.2	-28.2

DUSP7	dual specificity phosphatase 7		-2.0		-1.6		-2.0	-2.0		-1.2	-1.2	-1.4	-1.4
DUT	dUTP pyrophosphatase									-2.0	-2.0	-3.9	-3.9
DVL3	dishevelled, dsh homolog 3 (Drosophila)		1.6		1.3			-1.6	-1.6			1.9	1.9
DXYS155E	chromosome X and Y open reading frame 3		1.2			1.3		-1.4				1.8	1.8
DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A				1.3					-1.6	-1.6	-1.2	-1.2
DYRK2	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2							-1.5		1.2		-1.4	-1.4
DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3				1.2		-1.5	-1.5					
DZIP3	zinc finger DAZ interacting protein 3					1.4		-1.3	-1.3	1.2		2.5	2.5
E2F1	E2F transcription factor 1				-1.3		-1.2	-1.2	-1.7	-1.7	-1.5	-2.7	-2.7
E2F3	E2F transcription factor 3		1.5		1.6			1.4		1.6	1.6		
E2F4	E2F transcription factor 4, p107/p130-binding												
E2F5	E2F transcription factor 5, p130-binding		-1.6	-1.6	-1.9	-1.9	-1.7			-1.8		-3.5	-3.5
E2F6	E2F transcription factor 6				-1.2		-1.3			-1.3	-1.3	-2.4	-2.4
EBAG9	estrogen receptor binding site associated, antigen, 9							-1.8	-1.8			2.5	2.5
EBNA1BP2	EBNA1 binding protein 2		-1.5	-1.5	-1.9	-1.9	-2.0			-1.8	-1.8	-2.6	-2.6
EBP	emopamil binding protein (sterol isomerase)		-1.2	-1.2	-1.5	-1.5			-2.1	-2.1	-1.5	1.4	1.4
ECE1	endothelin converting enzyme 1		1.3					1.6				-1.7	-1.7
ECH1	enoyl Coenzyme A hydratase 1, peroxisomal											-1.6	-1.6
ECHS1	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial				-1.4	-1.4	-1.3				-1.4	-1.4	-1.6
EDD1	E3 ubiquitin protein ligase, HECT domain containing, 1		1.3	1.3	1.2		-1.4	-1.4	-1.4	-1.4	1.4	1.9	1.9
EDEM1	ER degradation enhancer, mannosidase alpha-like 1		-1.2					-1.6	-1.5	-1.2	-1.2	1.4	1.4
EDG6	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 6						1.4			1.8	1.8	-1.2	-1.2
EED	embryonic ectoderm development						-1.4		-1.9	-1.9		1.2	1.2
EEF1A1	eukaryotic translation elongation factor 1 alpha 1				-1.6		1.3		4.9	4.9		-5.1	-5.1
EEF1A2	eukaryotic translation elongation factor 1 alpha 2												
EEF1B2	eukaryotic translation elongation factor 1 beta 2						-1.2						
EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)						-1.2		1.6	1.6	1.2	-1.3	-1.3
EEF1E1	eukaryotic translation elongation factor 1 epsilon 1		-1.7	-1.7	-2.1	-2.1	-2.3		-1.6	-1.6	-3.3	-3.3	-2.4
EEF1G	eukaryotic translation elongation factor 1 gamma								-1.4		-1.5	1.3	1.3
EEF2	eukaryotic translation elongation factor 2								1.3	1.3			
EFNA3	ephrin-A3						2.2						
EFNB2	ephrin-B2								-5.9	-5.9	-2.8	-2.8	5.8
EHBP1	EH domain binding protein 1							1.8	1.4	1.2		-2.6	-2.6
EHD1	EH-domain containing 1				-1.2	-1.2		1.6	1.6			-1.4	-1.4
EI24	etoposide induced 2.4 mRNA				-1.3			1.3	1.3	-1.5	-1.5	-2.1	-2.1
EIF1	eukaryotic translation initiation factor 1		-1.4	-1.4	-1.4	-1.4	-1.7	-1.7				1.3	1.3
EIF1AX	eukaryotic translation initiation factor 1A, X-linked				-1.6		-1.4		-2.2	-2.2	-1.5	-1.5	-2.8
EIF2A	eukaryotic translation initiation factor 2A, 65kDa		1.2					1.3	1.3			1.2	1.2
EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2		-1.3					-1.2		-1.5	-1.5		
EIF2B2	eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa						-1.2					-1.2	-1.2
EIF2B4	eukaryotic translation initiation factor 2B, subunit 4 delta, 67kDa											-1.4	-1.4
EIF2B5	eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa									-1.2		-1.5	-1.5
EIF2C2	eukaryotic translation initiation factor 2C, 2		-2.1				-1.9		2.6	2.6	-1.6	-1.6	-4.3
EIF2S1	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa		-1.4	-1.4	-1.2		-1.4	-1.4	-1.2	-1.2	-1.6	-1.6	-1.8
EIF2S2	eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa		-1.3									-1.6	-1.6
EIF2S3	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa				1.7			1.3	1.3				
EIF3S10	eukaryotic translation initiation factor 3, subunit 10 theta, 150/170kDa		-1.4				-1.7	-1.7	3.9	3.9	-1.3	-1.3	-5.4
EIF3S12	eukaryotic translation initiation factor 3, subunit 12				-1.3		-1.2		-1.3		-1.5	-1.3	-1.2
EIF3S2	eukaryotic translation initiation factor 3, subunit 2 beta, 36kDa						-1.5	-1.5		-1.6	-1.6	-1.6	-1.6
EIF3S3	eukaryotic translation initiation factor 3, subunit 3 gamma, 40kDa						-1.2					1.4	1.4
EIF3S4	eukaryotic translation initiation factor 3, subunit 4 delta, 44kDa												
EIF3S5	eukaryotic translation initiation factor 3, subunit 5 epsilon, 47kDa				1.3	1.3				1.2	1.2	1.3	1.3
EIF3S6	eukaryotic translation initiation factor 3, subunit 6 48kDa						-1.2		-1.5	-1.5	-1.6	-1.6	1.2
EIF3S7	eukaryotic translation initiation factor 3, subunit 7 zeta, 66/67kDa		-1.2				-1.6		1.3	1.3		-1.3	-1.3
EIF3S8	eukaryotic translation initiation factor 3, subunit 8, 110kDa		-1.2	-1.2			-1.2		-3.1	-3.1	-1.6	-1.4	3.4
EIF3S9	eukaryotic translation initiation factor 3, subunit 9 eta, 116kDa		-1.5	-1.5	-2.2	-2.2	-1.3		-1.2	-1.2	-2.0	-2.0	-2.2
EIF4A1	eukaryotic translation initiation factor 4A, isoform 1		-1.7	-1.4	-2.0	-2.0	-1.3				-1.8	-1.8	
EIF4A2	eukaryotic translation initiation factor 4A, isoform 2								1.4	1.4			-1.3

EIF4B	eukaryotic translation initiation factor 4B				1.3				1.8	1.8	-2.4	-2.4	-1.8	-1.8
EIF4E	eukaryotic translation initiation factor 4E				-1.3		-1.4		-1.3	-1.3	1.3		-1.4	-1.4
EIF4E2	eukaryotic translation initiation factor 4E family member 2								-1.6	-1.6	1.2	1.2	1.5	1.5
EIF4EBP1	eukaryotic translation initiation factor 4E binding protein 1				-1.9	-1.9	-1.6				-3.1	-3.1	-5.7	-5.7
EIF4EBP2	eukaryotic translation initiation factor 4E binding protein 2				1.2						-1.3	-1.3	-1.3	-1.3
EIF4G1	eukaryotic translation initiation factor 4 gamma, 1	-1.5			-1.5	-1.5	-1.4	-1.4					-1.4	-1.4
EIF4G2	eukaryotic translation initiation factor 4 gamma, 2													
EIF4G3	eukaryotic translation initiation factor 4 gamma, 3						-1.5		1.8		-1.2	-1.2	-1.6	-1.6
EIF5	eukaryotic translation initiation factor 5	-1.3			-1.5	-1.5	-1.3		1.2	1.2	-1.2		-1.8	-1.8
EIF5A	eukaryotic translation initiation factor 5A						-1.2		-10.2	-10.2	-2.0	-2.0	3.5	3.5
EIF5B	eukaryotic translation initiation factor 5B	1.6			-1.7	-1.7	-1.2		2.5	2.5	-1.6	-1.6	-4.3	-4.3
ELAC2	elaC homolog 2 (E. coli)	-1.4			-1.3						1.4		1.2	
ELAVL3	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C)						1.6							
ELF1	E74-like factor 1 (ets domain transcription factor)				1.6	1.6			-1.8	-1.8	1.4	1.4	2.7	2.7
ELF2	E74-like factor 2 (ets domain transcription factor)				1.3				-1.8	-1.8			1.4	1.4
ELK1	ELK1, member of ETS oncogene family						1.3		-1.2				1.5	1.4
ELK3	ELK3, ETS-domain protein (SRF accessory protein 2)								5.2	5.2			-2.4	-2.4
ELMO1	engulfment and cell motility 1	-1.3							3.6	3.6	2.1	2.1		
ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)				1.4	1.4			-1.6	-1.6	-2.0	1.3	1.8	1.8
ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	-1.3					1.4		-3.4	-3.4	-3.8	-3.8	-1.8	-1.8
EMD	emerin (Emery-Dreifuss muscular dystrophy)												-1.4	
EMP3	epithelial membrane protein 3				-1.3									
ENO1	enolase 1, (alpha)	-1.3	-1.3		-1.6	-1.6	-1.5				-1.5	-1.5	-2.6	-2.6
ENO2	enolase 2 (gamma, neuronal)	-1.2			-1.4		-1.5							
ENTH	clathrin interactor 1				1.3				2.5	2.5	1.9	1.9	-1.5	-1.5
ENTPD4	ectonucleoside triphosphate diphosphohydrolase 4	1.3			1.4		-1.4		1.5	1.5	1.3	1.3		
ENTPD6	ectonucleoside triphosphate diphosphohydrolase 6 (putative function)	-1.2			-1.4	-1.4							-2.0	-2.0
EP300	E1A binding protein p300						-1.3						1.4	1.4
EP400	E1A binding protein p400								1.3	1.3	1.4	1.4	-1.6	
EPAS1	endothelial PAS domain protein 1	-1.3									15.9	15.9	70.9	70.9
EPB41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)				1.5		1.3		-2.0		-2.3		-1.7	-1.7
EPB41L2	erythrocyte membrane protein band 4.1-like 2				1.2				1.8	1.8			-1.9	-1.9
EPHA1	EPH receptor A1	1.7	1.7											
EPHB6	EPH receptor B6	-1.4			-1.9	-1.9	-1.8	-1.8						
EPIM	syntaxin 2				-1.2		1.3		1.3	1.3	1.5			
EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)								-2.2	-2.2			1.6	
EPOR	erythropoietin receptor				1.2		1.7		16.6	16.6			-6.1	-6.1
EPRS	glutamyl-prolyl-tRNA synthetase								1.3	1.3	-1.7	-1.7	-2.4	-2.4
EPS15	epidermal growth factor receptor pathway substrate 15	1.3	1.3		1.4	1.4			1.6	1.6	1.8	1.8	1.5	1.5
ERAL1	Era G-protein-like 1 (E. coli)													
ERCC1	excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)	-1.3	-1.3		-1.4	-1.3	-1.3		-1.8	-1.8	1.3	1.3		
ERCC2	excision repair cross-complementing rodent repair deficiency, complementation group 2 (xeroderma pigmentosum D)	1.2												
ERCC3	excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing)				1.2						-1.3	-1.3		
ERCC4	excision repair cross-complementing rodent repair deficiency, complementation group 4	1.5			1.2				-1.3				1.2	
ERCC5	excision repair cross-complementing rodent repair deficiency, complementation group 5 (xeroderma pigmentosum, complementation group G (Cockayne syndrome))	1.6			1.6	1.3			-1.4	-1.4	-1.3		1.8	1.8
ERCC8	excision repair cross-complementing rodent repair deficiency, complementation group 8				1.3	1.3					-1.8	-1.8	-1.8	-1.4
ERF	Ets2 repressor factor				1.3		1.4		2.1	2.1	-1.5	-1.5	-2.5	-2.5
ERG	v-ets erythroblastosis virus E26 oncogene homolog (avian)						-1.4		-2.7	-2.7	1.8	1.8	2.1	2.1
ERH	enhancer of rudimentary homolog (Drosophila)						-1.2		-1.2	-1.2				
ERP29	endoplasmic reticulum protein 29				-1.3				1.4	1.4	-1.3	-1.3	-1.8	-1.8
ESD	esterase D/formylglutathione hydrolase						-1.5		2.3	2.3	1.7	1.7	-1.9	-1.9
ESPL1	extra spindle pole bodies homolog 1 (S. cerevisiae)	1.3	1.3				1.2		-1.2		1.3	1.3	1.2	
ESRRA	estrogen-related receptor alpha	-1.3			-1.3				1.4	1.4			-1.3	-1.3
EST1B	Smg-5 homolog, nonsense mediated mRNA decay factor (C. elegans)				-1.7	-1.7							-1.4	
ETF1	eukaryotic translation termination factor 1						-1.3		1.3	1.3	-1.6	-1.6	-2.4	-2.4
ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)								-1.3	-1.3				
ETFB	electron-transfer-flavoprotein, beta polypeptide				1.3	1.3					2.1	2.1	-1.7	-1.7
ETFDH	electron-transferring-flavoprotein dehydrogenase				1.3		-1.2							

ETHE1	ethylmalonic encephalopathy 1		1.3		1.4	1.4			1.6	1.6	-1.3	-1.3	-1.6	-1.6
ETS1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)			2.4	2.4			-29.1	-29.1				26.5	26.5
ETS2	v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)	-1.6	-1.3				-1.7	-1.7	-1.5	-1.5	5.1	5.1	4.1	4.1
ETV5	ets variant gene 5 (ets-related molecule)	-1.3					-10.4	-10.4			1.9	1.9		
ETV6	ets variant gene 6 (TEL oncogene)	-1.4		-1.3			-1.6		2.5	2.5	-1.6	-1.6	-3.1	-3.1
EVER1	transmembrane channel-like 6								1.3		1.6	1.6	-2.4	-2.4
EWSR1	Ewing sarcoma breakpoint region 1								-1.3		-1.5		-1.3	-1.3
EXO1	exonuclease 1								-1.6	-1.6	-2.1	-2.1	-4.6	-4.6
EXOSC10	exosome component 10													
EXOSC2	exosome component 2	-1.7	-1.7	-1.7	-1.7	-1.2			-1.2		-2.4	-2.4	-2.6	-2.6
EXOSC7	exosome component 7	-1.8	-1.8	-2.3	-2.3	-1.7							-2.1	-2.1
EXOSC8	exosome component 8	-1.3		-1.6	-1.6	-1.4			-2.4	-2.4				
EXT1	exostoses (multiple) 1	1.3				-1.3					-1.8	-1.8	-2.5	-2.5
EXTL2	exostoses (multiple)-like 2	1.2				1.2			1.5	1.5	-2.0	-2.0	-1.9	-1.9
EXTL3	exostoses (multiple)-like 3													
EZH1	enhancer of zeste homolog 1 (Drosophila)			1.3					1.3	1.3	-1.4	-1.4	2.0	2.0
EZH2	enhancer of zeste homolog 2 (Drosophila)					-1.3			-1.6	-1.6	-1.3	-1.3	-1.3	-1.3
F2RL3	coagulation factor II (thrombin) receptor-like 3										2.1	2.1		
F8A1	coagulation factor VIII-associated (intronic transcript) 1	1.2	1.2						1.6	1.6			-2.1	-2.1
FABP5	fatty acid binding protein 5 (psoriasis-associated)	-1.2		-1.3					-2.2	-2.2	-4.4	-4.4	-2.5	-2.5
FADD	Fas (TNFRSF6)-associated via death domain					-1.9	-1.9						-1.3	-1.3
FADS1	fatty acid desaturase 1	-1.5		-4.1	-4.1	-1.9	-1.9	-1.5	-1.5	-1.5	-1.5	-1.5	-1.8	-1.8
FADS2	fatty acid desaturase 2	-1.4		-1.7	-1.7	-1.3			-1.9	-1.9	-2.0	-2.0		
FADS3	fatty acid desaturase 3	-1.2	-1.2					-3.1	-3.1	-1.3			5.6	5.6
FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase)	-1.5	-1.5						1.6	1.6	-1.9		-2.8	-2.8
FALZ	bromodomain PHD finger transcription factor	1.3							1.6	1.6	1.6	-1.5	-1.5	-1.3
FAM38A	family with sequence similarity 38, member A	-1.3		-1.3	-1.3				2.6	2.6	2.6	2.6	1.8	1.8
FAM3C	family with sequence similarity 3, member C			-1.3		-1.4			-2.2	-2.2	2.0	2.0	12.1	12.1
FAM89B	family with sequence similarity 89, member B					1.2			-2.5	-2.5			5.2	5.2
FANCG	Fanconi anemia, complementation group G	1.2									-1.3	-1.3	-2.0	-2.0
FANCL	Fanconi anemia, complementation group L			1.2					1.6	1.6			-2.8	-2.8
FARSLA	phenylalanine-tRNA synthetase-like, alpha subunit	-1.9	-1.9	-2.1	-2.1	-2.0	-2.0	1.6	1.6	1.6	-2.1	-2.1	-4.1	-4.1
FAS	Fas (TNF receptor superfamily, member 6)			1.5									1.6	
FASN	fatty acid synthase	-1.6	-1.6	-2.8	-2.8			-1.4			-3.2	-3.2	-2.2	-2.2
FASTK	Fas-activated serine/threonine kinase													
FAT	FAT tumor suppressor homolog 1 (Drosophila)	1.8	1.8	2.3	2.3	1.6								
FAU	Finkel-Biskamp-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived); ribosomal protein S30													
FBL	fibrillinin	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	1.4	1.4	1.4	-1.2	-1.2	-2.1	-2.1
FBLN2	fibulin 2	1.4	1.4	1.6	1.6	3.5	3.5							
FBN1	fibillin 1	1.6		1.2		1.2	1.2							
FBXO7	F-box protein 7										1.7		1.3	1.3
FBXO9	F-box protein 9								2.2	2.2	-1.4	-1.4	-1.9	-1.9
FBXW11	F-box and WD-40 domain protein 11					-1.4			1.3	1.3	1.3	1.3		
FCGR2A	Fc fragment of IgG, low affinity IIa, receptor (CD32)						1.3		-2.0	-2.0				
FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)													
FCHSD2	FCH and double SH3 domains 2								1.9	1.9	3.0	3.0	4.0	4.0
FDFT1	farnesyl-diphosphate farnesyltransferase 1			-1.8	-1.8	-1.4			1.5	1.4	-1.4		-1.3	-1.2
FDPS	farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltransferase, geranyltransferase)	-1.3		-1.5	-1.5	-1.5			-2.3	-2.3			1.6	1.6
FDXR	ferredoxin reductase										-1.4			
FECH	ferrochelatase (protoporphyrin)			2.0	2.0	-1.3							-1.8	-1.8
FEN1	flap structure-specific endonuclease 1					-1.4			-1.3	-1.3	-1.8	-1.8	-2.9	-2.9
FES	feline sarcoma oncogene													
FEZ2	fasciculation and elongation protein zeta 2 (zygin II)	1.2							1.5	1.5	1.7		1.6	1.6
FGF9	fibroblast growth factor 9 (glia-activating factor)	1.4		1.3					-45.7	-45.7	-2.1	-2.1	39.2	39.2
FGFR1	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)	1.6	1.6	3.1	3.1	1.4			7.4	7.4			-1.6	-1.6
FGFR1OP	FGFR1 oncogene partner								1.5	1.5			-2.7	-2.7
FH	fumarate hydratase	-1.2		-1.4	-1.4	-1.2			-1.4	-1.4	-2.1	-2.1	-2.6	-2.6
FHL1	four and a half LIM domains 1	3.3	3.3	6.6	6.6	13.7	13.7	-2.1	-2.1	1.8	1.8	1.8	9.6	9.6

GAB1	GRB2-associated binding protein 1			2.1				-2.4	-2.4	2.0	2.0	7.5	7.5
GABARAP	GABA(A) receptor-associated protein	1.2				1.3		-1.3	-1.3			2.1	2.1
GABARAPL2	GABA(A) receptor-associated protein-like 2									1.2		1.7	1.7
GABPB2	GA binding protein transcription factor, beta subunit 2	-1.2		1.9		-1.4		-1.7	-1.7	1.5	1.5	1.8	1.8
GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon			1.4									
GADD45B	growth arrest and DNA-damage-inducible, beta			-1.2		2.0		1.3	1.3	1.5	1.5	1.4	1.4
GAK	cyclin G associated kinase							1.4	1.4	1.2		-1.4	
GALC	galactosylceramidase	1.5		1.6	1.6			-2.1	-2.1			1.5	1.5
GALK2 (included)	galactokinase 2	1.3						1.3	1.3			-1.7	-1.7
GALNT1	UDP-N-acetyl-alpha-D-galactosamine polypeptide N-acetylglucosaminyltransferase 1 (GalNAc-T1)					-1.3		2.0	2.0			-2.2	-2.2
GALNT10	UDP-N-acetyl-alpha-D-galactosamine polypeptide N-acetylglucosaminyltransferase 10 (GalNAc-T10)									1.3		2.2	2.2
GALNT2	UDP-N-acetyl-alpha-D-galactosamine polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	-1.4		-1.2				-2.2	-2.2	1.4	1.4	1.9	1.9
GAMT	guanidinoacetate N-methyltransferase			-2.2	-2.2					-2.2	-2.2	-2.9	-2.9
GANAB	glucosidase, alpha; neutral AB									-1.3	-1.3	-1.2	-1.2
GAPD	glyceraldehyde-3-phosphate dehydrogenase	-1.3		-1.5		1.3		-1.2	-1.2			1.3	1.3
GAPDHS	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic							1.8	1.8			-2.4	-2.4
GARNL1	GTPase activating Rap/RanGAP domain-like 1					-1.5				1.6	1.6	1.7	1.7
GARS	glycyl-tRNA synthetase	-1.4	-1.4	-1.7	-1.7	-1.7	-1.7	1.9	1.9	-2.1	-2.1	-4.3	-4.3
GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase	-1.6	-1.6	-1.6	-1.6	-1.6		1.4	1.4	-2.4	-2.4	-4.2	-4.2
GAS2L1	growth arrest-specific 2 like 1					1.8				15.6	15.6	17.6	17.6
GAS7	growth arrest-specific 7			-1.3				-10.7	-10.7	1.5	1.5	7.5	7.5
GATA2	GATA binding protein 2					1.4		3.6	3.6			-4.0	-4.0
GATA3	GATA binding protein 3			1.4	1.4			-3.1	-3.1			3.3	3.3
GBAS	glioblastoma amplified sequence					-1.5		4.0	4.0			-3.2	-3.2
GBE1	glucan (1,4-alpha)-, branching enzyme 1 (glycogen branching enzyme, Andersen disease, glycogen storage disease type IV)						-1.3			1.3	1.3	1.4	1.4
GBF1	golgi-specific brefeldin A resistance factor 1	1.2						1.2				1.6	1.6
GBP1	guanylate binding protein 1, interferon-inducible, 67kDa	1.2						-26.9	-26.9	-5.8	-5.8	49.3	49.3
GCAT	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)			-1.4	-1.4			9.1	9.1	-1.4	-1.4	-10.8	-10.8
GCDH	glutaryl-Coenzyme A dehydrogenase	-1.3	-1.3	-1.3	-1.3					-1.5		-1.3	-1.3
GCH1	GTP cyclohydrolase 1 (dopa-responsive dystonia)			-1.3	-1.3			-1.7	-1.7	-1.7	-1.7	1.5	1.5
GCHFR	GTP cyclohydrolase I feedback regulator									-1.8	-1.8	10.3	10.3
GCLC	glutamate-cysteine ligase, catalytic subunit					-1.2		2.0	2.0	1.7	1.7	-1.3	-1.3
GCLM	glutamate-cysteine ligase, modifier subunit							-2.5	-2.5	2.4	2.4	3.6	3.6
GCN1L1	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)			-1.3	-1.3			1.3	1.3	-1.4	-1.4	-1.5	-1.5
GCN5L2	GCN5 general control of amino-acid synthesis 5-like 2 (yeast)	-1.4	-1.4	-1.5	-1.5			-1.4	-1.4	-1.3	-1.3	-1.3	-1.3
GCS1	glucosidase I									-1.3	-1.3	-1.7	-1.7
GCSH	glycine cleavage system protein H (aminomethyl carrier)	-1.6	-1.6	-1.5	-1.5	-1.7		2.1	2.1	-3.0	-3.0	-4.6	-4.6
GDF10	growth differentiation factor 10					-2.8	-2.8						
GDI1	GDP dissociation inhibitor 1					1.5		-1.6	-1.6	1.4	1.4	2.4	2.4
GDI2	GDP dissociation inhibitor 2					-1.3		1.7	1.7	1.4	1.4		
GEMIN4	gem (nuclear organelle) associated protein 4	-1.3		-1.5	-1.5	-1.5	-1.5	-1.6	-1.6			-3.0	-3.0
GF11	growth factor independent 1	1.3				1.4		65.2	65.2			-5.9	-5.9
GFPT1	glutamine-fructose-6-phosphate transaminase 1	-1.4				-1.4		-2.1	-2.1				
GGA3	golgi associated, gamma adaptin ear containing, ARF binding protein 3					-1.5	-1.5	2.0	2.0	-1.4		-1.2	
GGH	gamma-glutamyl hydrolase (conjugase, folic/polygamma-glutamyl hydrolase)							-2.7	-2.7	1.2	1.2	1.3	1.3
GGPS1	geranylgeranyl diphosphate synthase 1							-1.5	-1.5	1.3	1.2	1.3	-1.2
GGT1	gamma-glutamyltransferase 1			-1.6	-1.6	1.5							
GIT2	G protein-coupled receptor kinase interactor 2			1.3	1.3	-1.3		12.8	12.8			-2.8	-2.8
GJA7	gap junction protein, alpha 7, 45kDa (connexin 45)							-13.5	-13.5	1.6	1.6	43.1	43.1
GK	glycerol kinase			1.9								-1.8	
GLA	galactosidase, alpha			1.2		1.2		2.3	2.3	-1.2		-3.6	-3.6
GLB1	galactosidase, beta 1	1.4	1.4	2.3	2.3	1.9	1.9	2.3	2.3			-1.9	-1.9
GLE1L	GLE1 RNA export mediator-like (yeast)									-1.2	-1.2	-1.4	-1.4
GLG1	golgi apparatus protein 1					1.2						1.9	1.9
GLMN	glomulin, FKBP associated protein			-1.3	-1.3			3.5	3.5			-2.2	-2.2
GLO1	glyoxalase I	-1.3		-1.3	-1.3	-1.5		1.3	1.3	-1.5	-1.5	-2.0	-2.0
GLRX	glutaredoxin (thioltransferase)	3.4	3.4	5.2	5.2	2.1		-4.0	-4.0	1.6	1.6	4.4	4.4
GLS	glutaminase			1.3	1.3	1.7	1.7	2.1	2.1	-2.1	-2.1	-2.2	-2.2

GLUD1	glutamate dehydrogenase 1				-1.3			-1.3		-1.3		1.2		-1.4	-1.3	-1.5	-1.5
GLUD2	glutamate dehydrogenase 2											1.2				-1.5	-1.5
GLUL	glutamate-ammonia ligase (glutamine synthetase)	1.9	1.9	2.2	2.2	3.4			2.3	2.3	2.5	2.5		2.5		1.8	1.8
GM2A	GM2 ganglioside activator	1.3	1.3	2.1	2.1	1.5			1.4		1.5					1.6	1.6
GMDS	GDP-mannose 4,6-dehydratase			-1.2												-1.4	-1.4
GMFB	glia maturation factor, beta										1.2					1.6	1.6
GMFG	glia maturation factor, gamma				1.3	1.3					1.7	1.7					
GMPS	guanine monophosphate synthetase	-1.3		-1.3	-1.3	-1.4			-1.4	-1.4	-1.4	-1.4		-1.4		-2.1	-2.1
GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	1.4							1.6	1.6	-1.4					-4.6	-4.6
GNA13	guanine nucleotide binding protein (G protein), alpha 13	-1.2		2.1					1.6	1.6	1.4					-1.5	-1.5
GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)							-1.3		-3.2	-3.2	1.4	1.4				
GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2																
GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3			1.4							2.0	2.0			1.4	1.4	
GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	-1.3		1.3					5.0	5.0	1.3	1.3			-1.6	-1.6	
GNAS	GNAS complex locus			1.3		1.3			-1.7	-1.7	1.7	1.7			2.4	2.4	
GNB1	guanine nucleotide binding protein (G protein), beta polypeptide 1			-1.2					-1.4	-1.4	1.3				1.7	1.7	
GNB2	guanine nucleotide binding protein (G protein), beta polypeptide 2								-1.7	-1.7	1.4	1.4			1.7	1.7	
GNB2L1	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1											-1.6	-1.6		-1.5	-1.5	
GNB5	guanine nucleotide binding protein (G protein), beta 5								-2.8	-2.8	-1.3	-1.3			1.3	1.3	
GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	-1.4		-1.6	-1.6	-1.4	-1.4	-1.4	-3.9	-3.9					2.5	2.5	
GNG10	guanine nucleotide binding protein (G protein), gamma 10	1.2		1.3	1.3												
GNG5	guanine nucleotide binding protein (G protein), gamma 5					-1.3											
GNL1	guanine nucleotide binding protein-like 1			-1.3		1.8			-1.3	-1.3	-1.2				1.3	1.3	
GNL2	guanine nucleotide binding protein-like 2 (nucleolar)					-1.4					-1.4	-1.4			-2.0	-2.0	
GNPAT	glyceronephosphate O-acyltransferase	1.4	1.4												1.4	1.4	
GNPDA1	glucosamine-6-phosphate deaminase 1								11.5	11.5					-59.9	-59.9	
GNS	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)	-1.5							2.8	2.8					-2.0	-2.0	
GOLGA1	golgi autoantigen, golgin subfamily a, 1														1.5	1.5	
GOLGA2	golgi autoantigen, golgin subfamily a, 2					-1.3			1.7	1.7							
GOLGA3	golgi autoantigen, golgin subfamily a, 3					1.3									-1.6	-1.6	
GOLGA4	golgi autoantigen, golgin subfamily a, 4			1.4					1.5		-1.2				-1.5	-1.5	
GORASP2	golgi reassembly stacking protein 2, 55kDa			-1.4		-1.2			1.8	1.8	-1.3	-1.3			-2.0	-2.0	
GOSR1	golgi SNAP receptor complex member 1					1.3			1.5	1.5					-1.7	-1.7	
GOSR2	golgi SNAP receptor complex member 2			1.6	1.6				1.2		-1.3				-1.5	-1.5	
GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)								1.2		-1.5				-1.4	-1.4	
GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	-1.3	-1.3	-1.3	-1.3	-1.4			-1.3						-1.5	-1.5	
GP5	glycoprotein V (platelet)																
GPA33	glycoprotein A33 (transmembrane)			1.4				-1.5	-1.5								
GPAA1	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)								1.7						-2.2	-1.4	
GPATCH8	G patch domain containing 8	1.2		1.6	1.6				1.4		1.7	1.7			3.5	3.5	
GPC1	glypican 1	-1.2				1.4			-1.2		1.4	1.4			1.6	1.6	
GPC3	glypican 3																
GPI	glucose phosphate isomerase	-1.2		-1.2							-3.3	-3.3			-2.0	-2.0	
GPLD1	glycosylphosphatidylinositol specific phospholipase D1			1.2					-2.3	-2.3	-1.7	-1.7			-1.4	-1.4	
GPR125	G protein-coupled receptor 125	-1.8	-1.8	-1.5		-1.6			-1.2						-4.2	-4.2	
GPR161	G protein-coupled receptor 161	-1.2							-1.2								
GPR30	G protein-coupled receptor 30																
GPR56	G protein-coupled receptor 56	1.3				1.2					25.3	25.3					
GPS2	G protein pathway suppressor 2								-4.7	-4.7					3.8	3.8	
GPSM2	G-protein signalling modulator 2 (AGS3-like, C. elegans)	1.7	1.7						-1.8	-1.8	1.9	1.6			2.7	2.7	
GPSM3	G-protein signalling modulator 3 (AGS3-like, C. elegans)								-1.9	-1.9					3.0	3.0	
GPSN2	glycoprotein, synaptic 2			-1.2					-1.3	-1.3	-1.2				-1.5	-1.5	
GPX1	glutathione peroxidase 1			-1.2	-1.2				1.7	1.7	1.7	1.7					
GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)			-1.4	-1.4	-1.3			1.8	1.8					-2.2	-2.2	
GPX7	glutathione peroxidase 7								1.9	1.9					-1.5	-1.5	
GRAP2	GRB2-related adaptor protein 2	2.4	2.4	2.9	2.9	3.6	3.6										
GRB10	growth factor receptor-bound protein 10			-1.6	-1.6				-12.4	-12.4	-1.4	-1.4			11.1	11.1	
GRB2	growth factor receptor-bound protein 2					-1.4			1.9	1.9	-1.8	-1.8			-3.3	-3.3	

GREB1	GREB1 protein					2.6	2.6	8.1	8.1			-11.0	-11.0	
GREM1	gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis)							-42.1	-42.1					
GRHPR	glyoxylate reductase/hydroxypyruvate reductase							1.4	1.4	-1.6	-1.6	-1.3	-1.3	
GRIK5	glutamate receptor, ionotropic, kainate 5					1.4		4.2	4.2			-14.5	-14.5	
GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)									-1.8	-1.8			
GRIP2	glutamate receptor interacting protein 2													
GRK5	G protein-coupled receptor kinase 5													
GRK6	G protein-coupled receptor kinase 6	1.3						14.8	14.8	2.8	2.8	-3.8	-3.8	
GRLF1	glucocorticoid receptor DNA binding factor 1				-1.3		1.5	-1.5	1.4	1.5		1.3	-1.2	
GRM4	glutamate receptor, metabotropic 4				1.4		1.7							
GRSF1	G-rich RNA sequence binding factor 1	-1.2					-1.5		-1.2			-2.7	-2.7	
GSK3A	glycogen synthase kinase 3 alpha				-1.2						-1.3			
GSK3B	glycogen synthase kinase 3 beta	1.6			1.9	1.9	1.2	2.1	2.1	1.5	1.3	-2.3	-2.3	
GSPT1	G1 to S phase transition 1	-1.5	-1.5	-1.4	-1.4	-1.4	-1.8	-1.6	-1.6	-1.2	-1.2	-1.4	-1.4	
GSR	glutathione reductase				1.2		1.3	-1.6	-1.6	1.4		1.2	1.2	
GSS	glutathione synthetase							1.3		-1.3	-1.3	-2.2	-2.2	
GSTM1	glutathione S-transferase M1						1.3	-1.6	-1.6	-1.7	-1.7	2.3	2.3	
GSTO1	glutathione S-transferase omega 1							1.8	1.8	-1.3	-1.3	-3.0	-3.0	
GSTP1	glutathione S-transferase pi							-1.2	-1.2	-1.3		-1.7	-1.7	
GSTZ1	glutathione transferase zeta 1 (maleylacetoacetate isomerase)	1.2												
GTF2A2	general transcription factor IIA, 2, 12kDa	1.6			1.8	1.8	1.5	1.5	-2.8	-2.8	-1.3	-1.2	1.6	1.6
GTF2B	general transcription factor IIB				1.4				-1.2	-1.2				
GTF2E1	general transcription factor IIE, polypeptide 1, alpha 56kDa								1.2		-1.2		-1.5	-1.5
GTF2E2	general transcription factor IIE, polypeptide 2, beta 34kDa	-1.4	-1.4				-1.3	-1.5	-1.5	-1.3	-1.3			
GTF2F1	general transcription factor IIF, polypeptide 1, 74kDa	1.2	1.2					1.3		-1.7	-1.7			
GTF2F2	general transcription factor IIF, polypeptide 2, 30kDa	-1.5			-1.5								-1.3	
GTF2H1	general transcription factor IIH, polypeptide 1, 62kDa						-1.2	1.3	1.3	-1.4	-1.3	-2.0	-2.0	
GTF2H2	general transcription factor IIH, polypeptide 2, 44kDa	-2.1					-1.9	2.1	2.1	1.3		-3.2	-3.2	
GTF2H3	general transcription factor IIH, polypeptide 3, 34kDa				1.3		-1.2			-1.4	-1.4	-1.5		
GTF2H4	general transcription factor IIH, polypeptide 4, 52kDa						-1.3	-1.3	1.7	1.7				
GTF2H5	general transcription factor IIH, polypeptide 5						-1.4					1.4	1.4	
GTF2I	general transcription factor II, i	-1.2			1.4	1.4	-1.3	-2.1	-2.1			2.3	2.3	
GTF3A	general transcription factor IIIA	-1.3			-1.6	-1.6	-1.5	-1.7	-1.7	-1.4	-1.4	-2.0	-2.0	
GTF3C1	general transcription factor IIIC, polypeptide 1, alpha 220kDa							-1.3	-1.3	-1.5		1.7	1.7	
GTF3C2	general transcription factor IIIC, polypeptide 2, beta 110kDa									-2.0	-2.0	-1.5	-1.5	-1.2
GTPBP6	GTP binding protein 6 (putative)	-1.4			-1.8	-1.8	-1.3	-2.2	-2.2			1.8	1.8	
GTSE1	G-2 and S-phase expressed 1							-1.7	-1.7	2.1	1.6	2.0	2.0	
GUK1	guanylate kinase 1													
GUSB	glucuronidase, beta								1.2	1.2				
GYG1	glycogenin 1				1.3					3.8	3.8	2.7	2.7	
GYPC	glycophorin C (Gerbich blood group)						2.8	2.8	1.8	1.8		-1.8	-1.8	
GYS1	glycogen synthase 1 (muscle)	1.3						1.5	1.5	-1.3	-1.3			
H1F0	H1 histone family, member 0	1.4			2.0	2.0	2.5	2.5	8.1	8.1	2.4	2.4	-5.6	-5.6
H1FX	H1 histone family, member X	1.5	1.5	1.4			1.3	1.3	-3.2	-3.2		3.7	3.7	
H2AFX	H2A histone family, member X	1.2							-2.6	-2.6		1.3	1.3	
H2AFY	H2A histone family, member Y								-1.9	-1.9	-1.6	-1.6	-2.8	-2.8
H2AFZ	H2A histone family, member Z								-1.2			-1.9	-1.9	
H3F3A	H3 histone, family 3A								-1.2	-1.2		1.3	1.3	
H3F3B	H3 histone, family 3B (H3.3B)						-1.3	4.1	4.1	1.3	1.3	-2.2	-2.2	
H41	CDV3 homolog (mouse)	1.2			1.5	1.5	1.2	1.3	1.3	-1.2	-1.2	-1.4	-1.4	
H6PD	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)								-2.4	-2.4		2.5		
HADH	hydroxyacyl-Coenzyme A dehydrogenase													
HADH2	hydroxysteroid (17-beta) dehydrogenase 10	-1.2							-1.2	-1.2		-1.4		
HADHA	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit								1.3		1.5	1.5	-1.3	
HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit								1.8	1.8		-1.4	-1.4	-1.4
HADHSC	--				1.3		-1.3				-1.7	-1.7	-1.3	-1.3
HAGH	hydroxyacylglutathione hydrolase									1.3		2.2	2.2	
HAN11	WD repeat domain 68	1.2			1.3				1.8	1.8	1.3	-1.2	-1.7	-1.7

HARSL	histidyl-tRNA synthetase-like					1.3		1.2					
HAT1	histone acetyltransferase 1					-1.3		1.6	1.6			-4.0	-4.0
HAX1	HCLS1 associated protein X-1	-1.2				-1.3	-1.3	-1.3	-1.3	-1.7	-1.7	-1.3	-1.3
HBP1	HMG-box transcription factor 1	1.5	1.8	1.8		1.6	1.6	1.6	1.6	1.4	1.4	1.5	1.5
HBXIP	hepatitis B virus x interacting protein	-1.2			-1.3						1.2	1.2	
HCAP-D3	non-SMC condensin II complex, subunit D3									-2.1	-2.1	-2.9	-2.9
HCCS	holocytochrome c synthase (cytochrome c heme-lyase)									-1.2	-1.2	-2.0	-2.0
HCFC1	host cell factor C1 (VP16-accessory protein)					-1.4		-1.5	-1.5			1.2	1.2
HCK	hemopoietic cell kinase		1.3										
HCLS1	hematopoietic cell-specific Lyn substrate 1	1.3	1.2	1.2				-1.6	-1.6	-1.4	-1.4	1.8	1.8
HCRT	hypocretin (orexin) neuropeptide precursor	1.3											
HDAC1	histone deacetylase 1	-1.4	-1.4	-1.2		-1.2						-1.5	-1.5
HDAC2	histone deacetylase 2	-1.3		-1.5	-1.5	-1.5	-1.5	1.3		-1.5	-1.5	-1.6	-1.6
HDAC3	histone deacetylase 3	-1.3						1.5	1.5	-1.4			
HDAC4	histone deacetylase 4	1.2						2.6	2.6	-1.8	-1.8	1.3	1.3
HDAC6	histone deacetylase 6		1.2							-1.3		1.4	1.4
HDGF	hepatoma-derived growth factor (high-mobility group protein 1-like)		-1.3			1.6				-1.5	-1.5	-1.3	-1.3
HDLBP	high density lipoprotein binding protein (vigilin)					-1.3		-1.7	-1.7	-1.6	-1.6		
HEAB	CLP1, cleavage and polyadenylation factor I subunit, homolog (S. cerevisiae)											-1.2	-1.2
HELZ	helicase with zinc finger	1.2	1.4					1.5	1.5			-1.3	-1.3
HERPUD1	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1	-1.4				-1.6		-2.1	-2.1			2.1	2.1
HES1	hairly and enhancer of split 1, (Drosophila)	-5.5	-5.5	-12.8	-12.8	-9.3	-9.3					-3.1	
HEXA	hexosaminidase A (alpha polypeptide)	1.2						1.7	1.7			-1.4	-1.4
HEXIM1	hexamethylene bis-acetamide inducible 1	-1.4	1.5			1.6		4.5	4.5	1.8	1.8	-2.2	-2.2
HGS	hepatocyte growth factor-regulated tyrosine kinase substrate		-1.5	-1.5				1.5	1.5			-1.7	-1.7
HHEX	homeobox, hematopoietically expressed		1.3			-1.3		3.4	3.4	-2.0	-2.0	-5.4	-5.4
HIF1A	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)									1.2	1.2		
HINT1	histidine triad nucleotide binding protein 1							1.3	1.3	1.4	1.4		
HIP1R	huntingtin interacting protein 1 related							-1.5	-1.5	2.3	2.3	1.6	1.6
HIP2	huntingtin interacting protein 2	-1.3	1.3	1.3		-1.3		-1.6	-1.6	-1.2	-1.2	-2.2	-2.2
HIPK1	homeodomain interacting protein kinase 1	1.6	1.6	2.2	2.2			-1.2		-1.5	-1.5	1.6	1.3
HIPK3	homeodomain interacting protein kinase 3	1.2				2.1		1.5	1.3	1.5	1.5	1.5	1.5
HIRA	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	-1.5		-1.3		-1.8	-1.8					-1.8	
HIRIP3	HIRA interacting protein 3							-1.3		-1.2		1.4	
HISPPD2A	histidine acid phosphatase domain containing 2A							-3.1	-3.1	-1.3		2.5	2.5
HIST1H2BJ	histone cluster 1, H2bj	1.4											
HIST1H3D	histone cluster 1, H3d	1.2											
HIST1H4C	histone cluster 1, H4c			-1.6				-1.3					
HIST2H2AA	histone cluster 2, H2aa3		2.1	2.1	1.2			-2.0	-2.0	1.3		2.9	2.9
HIST2H2BE	histone cluster 2, H2be				1.8					-2.3			
HIVEP1	human immunodeficiency virus type I enhancer binding protein 1	1.4						1.4	1.4	2.4	2.4	-1.5	-1.5
HIVEP2	human immunodeficiency virus type I enhancer binding protein 2	1.3	1.5	1.5		-1.5		-6.5	-6.5	-1.3		10.1	10.1
HK2	hexokinase 2	-2.0	-2.0	-2.3		1.2		1.4	1.4	-3.1	-3.1	-2.3	-2.3
HKE2	prefoldin subunit 6					-1.2						-1.3	
HLA-A	major histocompatibility complex, class I, A	1.5	1.5	1.7	1.7	1.3		-2.5	-2.5			2.7	2.7
HLA-B	major histocompatibility complex, class I, B							-3.4	-3.4	1.2	1.2	3.7	3.7
HLA-DMB	major histocompatibility complex, class II, DM beta	1.2	1.3					-1.7	-1.7			1.3	
HLA-DOB	major histocompatibility complex, class II, DO beta			-1.4									
HLA-DRB3	major histocompatibility complex, class II, DR beta 3					1.4							
HLA-E	major histocompatibility complex, class I, E	1.3						-1.3	-1.3	2.6	2.6	1.5	1.5
HLA-F	major histocompatibility complex, class I, F	1.3						-3.0	-3.0	2.2	2.2	4.7	4.7
HLA-G	HLA-G histocompatibility antigen, class I, G	1.5	1.5	1.3		1.3	1.3	-2.0	-2.0	1.5	1.5	1.9	1.9
HLXB9	homeobox HB9												
HMBS	hydroxymethylbilane synthase	-1.3		-1.9	-1.9	-1.6		-1.6	-1.6	-1.7		-1.9	-1.9
HMG20B	high-mobility group 20B							1.4				1.5	1.5
HMGA1	high mobility group AT-hook 1			-1.7				-1.7		-1.6	-1.6	-1.6	-1.6
HMGB1	high-mobility group box 1							-3.0	-3.0	1.4		1.9	1.9
HMGB2	high-mobility group box 2							-1.2		1.3	1.3	1.5	1.5

HMGB3	high-mobility group box 3			1.4		1.3			1.4	1.4	-1.5	-1.5	
HMGCR	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-1.4	-1.4					-1.9	-1.9		2.0	2.0	
HMGC51	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	-2.3	-2.3	-3.5	-3.5	-1.5	-1.5	-3.5	-3.5	-1.5	2.4	2.4	
HMGC52	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)			1.3	1.3								
HMGN1	high-mobility group nucleosome binding domain 1										-1.6	-1.6	
HMGN2	high-mobility group nucleosomal binding domain 2	-1.2											
HMGN3	high mobility group nucleosomal binding domain 3									1.3	1.5	1.5	
HMMR	hyaluronan-mediated motility receptor (RHAMM)			1.4	1.4			-1.5	-1.5	1.8	1.8	3.3	3.3
HMOX2	heme oxygenase (decycling) 2					-1.2	-1.2				1.6	1.6	
HNRPA0	heterogeneous nuclear ribonucleoprotein A0							1.5	1.5		-1.5	-1.5	
HNRPA1	heterogeneous nuclear ribonucleoprotein A1			-1.2				1.9	1.9	1.4	1.4	-1.8	-1.8
HNRPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1							5.0	5.0	1.3	-2.4	-2.4	
HNRPA3	heterogeneous nuclear ribonucleoprotein A3					-1.4		1.8	1.8	-1.4	-1.4	-2.4	-2.4
HNRPAB	heterogeneous nuclear ribonucleoprotein A/B	-1.5	-1.5	-1.8	-1.8	-1.4	-1.4	-1.4	-1.4	-1.6	-1.6	-1.8	-1.8
HNRPC	heterogeneous nuclear ribonucleoprotein C (C1/C2)	-1.2						-1.2	-1.2	-1.5	-1.5	-1.9	-1.9
HNRPD	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa)							3.1	3.1	1.5	-1.8	-1.8	
HNRPDL	heterogeneous nuclear ribonucleoprotein D-like	-1.4		-1.6	-1.6	-1.2		1.7	1.7	-1.6	-1.6	-2.4	-2.4
HNRPF	heterogeneous nuclear ribonucleoprotein F			-1.2				1.3	1.3	-1.3	-2.5	-2.5	
HNRPH1	heterogeneous nuclear ribonucleoprotein H1 (H)					-1.3		-2.9	-2.9	1.3	1.3	2.1	2.1
HNRPH2	heterogeneous nuclear ribonucleoprotein H2 (H')	1.3		1.3						1.5	1.5		
HNRPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9)			-1.3	-1.3			-1.4	-1.4	1.2	-1.3	-1.3	
HNRPK	heterogeneous nuclear ribonucleoprotein K									-1.4	-1.4		
HNRPL	heterogeneous nuclear ribonucleoprotein L							-1.4	-1.4	-2.0	-2.0	1.3	1.3
HNRPM	heterogeneous nuclear ribonucleoprotein M							1.8	1.8	1.8	1.8	-2.2	-2.2
HNRPR	heterogeneous nuclear ribonucleoprotein R					-1.4					-2.0	-2.0	
HNRPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	-1.3				-1.3		-1.4	-1.4	-1.4	-1.4	-2.9	-2.9
HNRPUL1	heterogeneous nuclear ribonucleoprotein U-like 1							-1.4	-1.4		3.4	3.4	
HOMER1	homer homolog 1 (Drosophila)			-1.3		-1.4		-2.3	-2.3	-1.3	-1.3		
HOM-TES-103	hypothetical protein LOC25900	1.2		1.4	1.4					2.3	2.3	1.6	1.4
HOXA9	homeobox A9							-91.3	-91.3		194.0	194.0	
HOXB6	homeobox B6					1.6		-1.4		1.5	1.8		
HOXB7	homeobox B7					1.8							
HOXD4	homeobox D4			1.2									
HPCAL1	hippocalcin-like 1	1.3	1.3	1.4		1.7		1.3			1.5	1.3	
HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	1.3	1.3	1.5						2.6	2.6		
HPRP8BP	--			-1.2		-1.5		-1.3	-1.3	-1.5	-1.5	-1.5	-1.5
HPRT1	hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)			-1.3	-1.3	-1.5				-1.6	-1.6		
HPSS5	Hermansky-Pudlak syndrome 5												
HRAS	v-Ha-ras Harvey rat sarcoma viral oncogene homolog	-1.3	-1.3	-1.4		-1.3		-1.8	-1.8	1.3			
HRB	HIV-1 Rev binding protein							-1.7	-1.7	1.5	1.5	3.8	3.8
HRB2	KRR1, small subunit (SSU) processome component, homolog (yeast)	-1.4				-1.7				-1.3	-1.3	-1.2	-1.2
HRMT1L2	protein arginine methyltransferase 1	-1.5		-2.2	-2.2	-1.7	-1.7	-1.2	-1.2	-2.6	-2.6	-2.6	-2.6
HRSP12	heat-responsive protein 12					-1.4				-2.0	-2.0	-2.7	-2.7
HS2ST1	heparan sulfate 2-O-sulfotransferase 1							1.8	1.8	1.5	-1.4	-1.4	
HS6ST1	heparan sulfate 6-O-sulfotransferase 1	1.3		2.1	2.1	2.2	2.2	1.3	1.3	1.8	1.8	1.5	1.5
HSPB1	heat shock factor binding protein 1							-1.4	-1.4	-1.3	-1.3		
HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4			1.9	1.9	1.9		2.0	2.0	1.9	1.9	2.0	2.0
HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8			-1.2									
HSF1	heat shock transcription factor 1							-1.4		-1.2		-1.5	-1.5
HSF2	heat shock transcription factor 2							1.2	1.2				
HSF4	heat shock transcription factor 4					1.8							
HSPA1A	heat shock 70kDa protein 1A	-2.0						6.3	6.3			-8.1	-8.1
HSPA4	heat shock 70kDa protein 4					-1.6	-1.6	1.3		-1.4	-1.4	-1.8	-1.8
HSPA4L	heat shock 70kDa protein 4-like			-1.6		-1.6		25.8	25.8			-42.0	-42.0
HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	-1.3				-1.5	-1.5	1.6	1.6			-3.2	-3.2
HSPA8	heat shock 70kDa protein 8	-1.3	-1.3			-1.9	-1.9			-1.3	-1.3		
HSPA9B	heat shock 70kDa protein 9 (mortalin)	-1.5		-1.5	-1.4	-1.6	-1.6			-2.8	-2.8	-3.8	-3.8
HSPB1	heat shock 27kDa protein 1							-2.7	-2.7	-1.3	-1.3	1.6	1.6

ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	-2.4	-2.1	-1.5		-2.3		-1.4					-5.7	-5.7
ITGA6	integrin, alpha 6	5.0	5.0	10.2	10.2	3.5	2.4	6.1	6.1	7.2	7.2		-1.9	-1.9
ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)	1.3		1.6	1.6			-2.9	-2.9	1.5	1.5		3.1	3.1
ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)			-1.6	-1.6			-1.7	-1.7	-1.4	-1.4		1.4	
ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)							3.1	3.1	1.4	1.4		-2.1	-2.1
ITGB1BP1	integrin beta 1 binding protein 1					-1.5		-1.2	-1.2	1.4				
ITGB2	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)							2.6	2.6	-5.6	-5.6		-8.7	-8.7
ITGB3BP	integrin beta 3 binding protein (beta3-endonexin)	1.2				1.4				-1.2	-1.2		-1.7	-1.7
ITGB4BP	integrin beta 4 binding protein			-1.2									-1.4	-1.4
ITK	IL2-inducible T-cell kinase	1.5	1.5	1.7	1.7									
ITM1	ITM1, subunit of the oligosaccharyltransferase complex, homolog A (S. cerevisiae)	-1.2		-1.3	-1.3	-1.3	-1.3			-1.3			-1.4	-1.4
ITM2A	integral membrane protein 2A			-1.4				64.4	64.4				-138.3	-138.3
ITM2B	integral membrane protein 2B			1.8	1.8	1.3		1.7	1.7	2.0	2.0		1.9	1.9
ITPA	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)			-1.3	-1.3									
ITPK1	inositol 1,3,4-triphosphate 5/6 kinase					-1.5								
ITPKB	inositol 1,4,5-trisphosphate 3-kinase B							-4.6	-4.6				1.7	1.7
ITPR1	inositol 1,4,5-triphosphate receptor, type 1	1.9		2.7	2.7			3.8	3.8	3.5	2.4		-18.1	-18.1
ITPR2	inositol 1,4,5-triphosphate receptor, type 2	1.5	1.5	1.7	1.7	1.5	1.5	4.3	4.3	1.8	1.8		-2.4	-2.4
ITPR3	inositol 1,4,5-triphosphate receptor, type 3			-1.6	-1.6	-1.4	-1.3							
ITSN1	intersectin 1 (SH3 domain protein)							1.2		-3.8	-3.8	-1.3	-1.3	8.7
ITSN2	intersectin 2									1.3		-1.5	1.4	1.4
IVD	isovaleryl Coenzyme A dehydrogenase	1.3				1.3								
IVNS1ABP	influenza virus NS1A binding protein	-1.3		-1.4				-1.3	-1.3	-1.3	-1.3		-1.9	-1.9
JAK1	Janus kinase 1 (a protein tyrosine kinase)	2.2	2.2	4.8	4.8	2.6	2.6	1.9	1.9	1.8	1.8		3.4	3.4
JAK2	Janus kinase 2 (a protein tyrosine kinase)			2.8	2.8			1.6	1.6	2.3	2.3		1.8	1.5
JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)			1.6	1.6	1.5						-1.5	-1.5	
JAM3	junctional adhesion molecule 3	2.4	2.4	3.7	3.7	3.6	3.6	12.9	12.9				-12.3	-12.3
JARID1A	jumonji, AT rich interactive domain 1A	1.3		1.7	1.7			-2.3	-2.3	1.2	1.2		3.7	3.7
JARID1B	jumonji, AT rich interactive domain 1B							37.6	37.6				-8.0	-8.0
JARID1C	jumonji, AT rich interactive domain 1C							-1.2		-1.3			1.3	1.3
JARID2	jumonji, AT rich interactive domain 2	-1.3	-1.3			-1.3		-1.4	-1.4				1.9	1.9
JMJD1A	jumonji domain containing 1A							1.6	1.6					
JMJD1C	jumonji domain containing 1C			1.9				-2.0	-2.0	1.9	1.9		3.6	3.6
JRK	jerky homolog (mouse)							2.1	2.1				-1.8	-1.8
JTV1	JTV1 gene	-1.9	-1.9	-2.1	-2.1	-2.1				-2.3	-2.3		-1.7	-1.7
JUN	jun oncogene	4.4	4.4	4.8	4.8			42.1	42.1	18.9	18.9		-6.2	-6.2
JUNB	jun B proto-oncogene					-1.4							-1.8	-1.8
JUND	jun D proto-oncogene							1.3	1.3	1.8	1.8		1.4	1.4
KAB	centrosomal protein 170kDa							3.8	3.8	1.2	1.2		-4.0	-4.0
K-ALPHA-1	alpha tubulin													
KARS	lysyl-tRNA synthetase	-1.3	-1.3			-1.5	-1.5			-1.6	-1.6		-1.7	-1.7
KATNA1	katanin p60 (ATPase-containing) subunit A 1							1.2		1.5	1.5			
KATNB1	katanin p80 (WD repeat containing) subunit B 1	-1.4		-3.5	-1.2	-1.5		-1.4	-1.4	-2.1	-2.1		-1.3	
KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5	1.4				1.4				5.9	5.9			
KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	1.3				1.6				-1.6	-1.6		1.3	
KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2													
KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4					-1.2		23.1	23.1	-13.3	-13.3		-19.5	-19.5
KDEL1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1									-1.2			1.3	1.3
KDEL2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2					1.3		1.3	1.3	-1.3			-2.0	-2.0
KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	1.3								1.3				
KEAP1	kelch-like ECH-associated protein 1							-1.4	-1.4					
KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1					-1.2		-1.3	-1.3	-1.3	-1.3			
KHDRBS3	KH domain containing, RNA binding, signal transduction associated 3					-1.3		9.0	9.0	2.3	2.3		-14.3	-14.3
KHSRP	KH-type splicing regulatory protein (FUSE binding protein 2)			-1.4	-1.4	-1.4	-1.4			-2.3	-2.3		-2.2	-2.2
KIAA0020	KIAA0020	-1.7	-1.7	-3.6	-3.6	-2.2	-2.2	-1.9	-1.9	-2.0	-2.0			
KIAA0101	KIAA0101									-1.9	-1.9		-3.2	-3.2
KIAA0133	KIAA0133	-1.5		-1.4	-1.4	-1.3		-1.5	-1.5	-1.4	-1.4		-1.6	-1.6
KIAA0143	KIAA0143 protein							1.9	1.9	1.4	1.4		-1.5	-1.5

LAPTM5	lysosomal associated multispanning membrane protein 5								-4.3	-4.3	2.0	2.0	10.9	10.9
LARP1	La ribonucleoprotein domain family, member 1	-1.4		-1.7		-1.9					-2.0	-2.0	-2.2	-2.2
LARS2	leucyl-tRNA synthetase 2, mitochondrial								-1.2	-1.2	-1.5	-1.5	-1.4	-1.4
LAS1L	LAS1-like (S. cerevisiae)			-1.3		-1.4	-1.4						-2.0	-2.0
LASP1	LIM and SH3 protein 1								1.6	1.6				
LASS1	LAG1 homolog, ceramide synthase 1 (S. cerevisiae)					1.6								
LAT	linker for activation of T cells	1.4	1.4	1.3	1.3	1.2					1.4	1.4		
LBR	lamin B receptor													
LCK	lymphocyte-specific protein tyrosine kinase					-1.7	-1.7	-49.3	-49.3				18.5	18.5
LCP1	lymphocyte cytosolic protein 1 (L-plastin)					-1.3		-4.1	-4.1	-2.5	-2.5		7.2	7.2
LCP2	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)					1.5		1.6	1.6	-2.4	-2.4		-2.2	-2.2
LCT	lactase	-1.4		-1.4		-2.4								
LDB1	LIM domain binding 1			1.3	1.3			1.7	1.7	-1.2	-1.2		-1.5	-1.5
LDHA	lactate dehydrogenase A			-1.4									-1.7	-1.7
LDHB	lactate dehydrogenase B											-1.6	-1.6	
LDLR	low density lipoprotein receptor (familial hypercholesterolemia)			-1.9	-1.9			-3.6	-3.6	-1.3	-1.3		3.0	3.0
LEF1	lymphoid enhancer-binding factor 1	1.5	1.5	1.7	1.7	1.7		-288.8	-288.8	-2.2	-1.3		826.7	826.7
LEPR	leptin receptor			1.4		1.4		1.8	1.8	2.2	2.2		4.6	4.6
LETMD1	LETM1 domain containing 1	1.2				1.2		3.1	3.1				-7.5	-7.5
LGALS1	lectin, galactoside-binding, soluble, 1 (galectin 1)	1.6		1.7	1.7	-1.3		-22.2	-22.2	2.9	2.9		82.1	82.1
LGALS3BP	lectin, galactoside-binding, soluble, 3 binding protein							-4.3	-4.3	-2.3	-2.3		2.8	2.8
LGALS9	lectin, galactoside-binding, soluble, 9 (galectin 9)	-1.5	-1.5	-1.4	-1.4	-2.1	-2.1	1.4		-1.5			-2.4	-2.4
LGMN	legumain	-1.6	-1.6	-1.8	-1.8	-1.4								
LIG1	ligase I, DNA, ATP-dependent			-1.7	-1.7								-5.5	-5.5
LIG3	ligase III, DNA, ATP-dependent			-1.4	-1.4								-1.4	-1.4
LIG4	ligase IV, DNA, ATP-dependent	-1.4		1.5		-1.6		1.9	1.9	1.8	1.8			
LIMK2	LIM domain kinase 2	-1.4	-1.4	-2.6	-2.6	-1.6	-1.6							
LIMS1	LIM and senescent cell antigen-like domains 1			-1.4				1.3	1.3	1.4	1.3		3.7	3.7
LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)							1.2	1.2	-2.0	-2.0			
LMAN1	lectin, mannose-binding, 1	-1.5	-1.5			-1.5		2.1	1.6				-15.2	-15.2
LMNB1	lamin B1			1.3		-1.2		-2.0	-2.0				-1.2	
LMNB2	lamin B2			-1.4	-1.4								-1.5	-1.5
LMO2	LIM domain only 2 (rhombotin-like 1)	-1.7		-2.0	-2.0			7.9	7.9	4.4	4.4		-6.9	-6.9
LMO4	LIM domain only 4			1.5				-3.8	-3.8	-1.3			1.9	1.9
LNK	SH2B adaptor protein 3							1.3	1.3	-1.2	-1.2		-2.8	-2.8
LNPEP	leucyl/cystinyl aminopeptidase			2.9	2.9			-2.2	-2.2	-2.0			2.9	2.9
LOC161527	hypothetical protein LOC161527			-1.3									1.8	1.8
LOC162427	hypothetical protein LOC162427	1.4											1.5	1.5
LOC51035	unknown protein LOC51035					1.5	1.5	1.3	1.3	1.4			1.2	
LOC93081	chromosome 13 open reading frame 27			-1.4	-1.4	-1.4		2.0	2.0				-1.4	-1.4
LPIN1	lipin 1	1.3	1.3	1.3				-1.6	-1.6				2.3	2.3
LPO	lactoperoxidase	1.3				1.9								
LPXN	leupaxin							-3.2	-3.2	-1.7	-1.7		1.7	1.7
LRBA	LPS-responsive vesicle trafficking, beach and anchor containing	1.2		1.6				1.4	1.4	-2.1	-2.1		-1.6	-1.6
LRCH4	leucine-rich repeats and calponin homology (CH) domain containing 4	1.3				1.7		-1.9	-1.9	1.9	1.9		4.1	4.1
LRMP	lymphoid-restricted membrane protein							-18.6	-18.6	-1.4	-1.4		7.8	7.8
LRP4	low density lipoprotein receptor-related protein 4					-1.4							-16.6	-16.6
LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	-2.2	-2.2	-3.6		-2.8	-2.8	-1.6	-1.6	-2.1	-2.1		-2.6	-2.5
LRPAP1	low density lipoprotein receptor-related protein associated protein 1			1.3				3.2	3.2				-2.1	-2.1
LRPPRC	leucine-rich PPR-motif containing	-1.8	-1.8	-1.4	-1.4	-1.7	-1.7	1.7	1.7	-5.1	-5.1		-2.8	-2.8
LRRFIP1	leucine rich repeat (in FLII) interacting protein 1					-1.4		-6.0	-6.0	2.5	2.5		11.3	11.3
LSM1	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)							2.2	2.2				-1.6	
LSM2	LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae)			-1.2		-1.2							1.3	-1.3
LSM3	LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae)							-1.3						
LSM4	LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae)	1.3		-1.3				-1.6	-1.6	-1.4	-1.4		-1.9	-1.9
LSM5	LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae)							2.9	2.9	1.3			-4.5	-4.5
LSM6	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae)			-1.3		-1.5		-1.5		-1.4	-1.4		2.2	2.2
LSM7	LSM7 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-1.2		-1.4	-1.4	-1.4		-1.5	-1.5	-1.5	-1.5		-1.4	-1.4

MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2	1.3	1.3	1.5	1.3	1.5			1.5	1.5	1.4	1.3	
MAPKAPK3	mitogen-activated protein kinase-activated protein kinase 3	-1.4	-1.4	-1.6	-1.6	-1.5		10.5	10.5	-1.5	-1.5	-20.4	-20.4
MAPKAPK5	mitogen-activated protein kinase-activated protein kinase 5			-1.6		-1.3		-1.6	-1.6			-1.4	
MAPRE1	microtubule-associated protein, RP/EB family, member 1			1.3	1.3			-1.4	-1.4	1.5	1.5	1.6	1.6
MAPRE2	microtubule-associated protein, RP/EB family, member 2	1.4		1.4				-3.4	-3.4	-2.5	-2.5	3.0	3.0
MARCH7	membrane-associated ring finger (C3HC4) 7	1.3						2.3	2.3	2.1	2.1	1.2	
MARCKSL1	MARCKS-like 1	-1.2		-1.4		-1.6	-1.6	-1.6	-1.6	-1.4	-1.4		
MARK3	MAP/microtubule affinity-regulating kinase 3							1.5	1.5	1.3		-1.3	
MARS	methionine-tRNA synthetase	-1.5		-1.6	-1.6	-1.5		-1.5	-1.5	-2.2	-2.2	-2.2	-2.2
MAT2A	methionine adenosyltransferase II, alpha	-1.8						-1.4					
MATR3	matrin 3					-1.5		1.8		-14.6	-14.6	-10.9	-10.9
MAX	MYC associated factor X			1.5				-1.2	-1.2	-1.7	-1.7		
MAZ	MYC-associated zinc finger protein (purine-binding transcription factor)	-1.5		-1.8				-3.2	-3.2	-1.7	-1.7	1.7	1.7
MB	myoglobin					24.0	24.0						
MBD1	methyl-CpG binding domain protein 1	1.2						-1.4	1.3	-1.2		-1.8	-1.8
MBD2	methyl-CpG binding domain protein 2					-1.4		-1.6	-1.6			1.4	1.3
MBD3	methyl-CpG binding domain protein 3			-1.3				-1.6	-1.6	-2.7	-1.4	-1.7	
MBD4	methyl-CpG binding domain protein 4	1.2						1.7	1.7			-2.2	-2.2
MBNL1	muscleblind-like (Drosophila)					-1.3		-4.4	-4.4	2.0	2.0	9.2	9.2
MBTPS1	membrane-bound transcription factor peptidase, site 1					-1.2		1.2				-1.6	-1.6
MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)												
MC5R	melanocortin 5 receptor			1.4	1.4								
MCCC2	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	-1.2						1.4	1.4	-1.5	-1.5	-2.1	-2.1
MCFD2	multiple coagulation factor deficiency 2							1.6	1.6			-1.7	-1.7
MCL1	myeloid cell leukemia sequence 1 (BCL2-related)	1.2	1.2	1.5				1.4	1.4	1.7	1.7	1.3	1.3
MCM2	MCM2 minichromosome maintenance deficient 2, mitotin (S. cerevisiae)			-1.3	-1.3	-1.2				-3.1	-3.1	-4.2	-4.2
MCM3	MCM3 minichromosome maintenance deficient 3 (S. cerevisiae)					-1.3	-1.3	-1.4	-1.4	-3.1	-3.1	-4.2	-4.2
MCM3AP	MCM3 minichromosome maintenance deficient 3 (S. cerevisiae) associated protein	1.3	1.3									1.9	1.9
MCM4	MCM4 minichromosome maintenance deficient 4 (S. cerevisiae)					-1.5		-2.1	-2.1	-3.3	-3.3	-6.9	-6.9
MCM5	MCM5 minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)							-1.5	-1.5	-1.5	-1.5	-3.2	-3.2
MCM6	minichromosome maintenance deficient 6 homolog (S. cerevisiae)			-1.3	-1.3	-1.4		1.3	1.3	-2.1	-2.1	-6.8	-6.8
MCM7	MCM7 minichromosome maintenance deficient 7 (S. cerevisiae)	-1.2		-1.4	-1.4			-1.9	-1.9	-1.3	-1.3	-2.7	-2.7
MCP	CD46 molecule, complement regulatory protein					-1.3		1.6	1.6	1.4	1.4		
MCRS1	microspherule protein 1							-1.7	-1.7				
MDC1	mediator of DNA damage checkpoint 1			1.2	1.2			-4.7	-4.7			2.0	2.0
MDFIC	MyoD family inhibitor domain containing			1.3				-3.1	-3.1	1.3		2.4	2.4
MDH1	malate dehydrogenase 1, NAD (soluble)							1.9	1.9	-1.3	-1.3	-2.2	-2.2
MDH2	malate dehydrogenase 2, NAD (mitochondrial)					-1.4		-2.3	-2.3	-1.5	-1.5	3.7	3.7
MDM4	Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)			1.6		1.5		-2.4	-2.4	2.2	2.2	2.5	2.5
ME2	malic enzyme 2, NAD(+)-dependent, mitochondrial	-1.5		-1.4		-1.8	-1.8	1.2		-1.6	-1.6	-2.2	-2.2
MECP2	methyl CpG binding protein 2 (Rett syndrome)	1.3		1.3									
MED12	mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)							1.4	1.4				
MED6	mediator of RNA polymerase II transcription, subunit 6 homolog (S. cerevisiae)	1.2		1.4		-1.3		-1.4	-1.4			1.3	
MED8	mediator of RNA polymerase II transcription, subunit 8 homolog (S. cerevisiae)					1.3		1.7	1.7	-1.7		-1.2	
MEF2A	MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)					-1.3		-3.6	-3.6	1.7	1.7	11.0	11.0
MEF2C	MADS box transcription enhancer factor 2, polypeptide C (myocyte enhancer factor 2C)	-1.6		-1.6				-3.5	-3.5	1.6	-1.5	3.6	3.6
MEF2D	MADS box transcription enhancer factor 2, polypeptide D (myocyte enhancer factor 2D)							-5.7	-5.7	1.8		2.0	2.0
MEIS2	Meis1, myeloid ecotropic viral integration site 1 homolog 2 (mouse)	1.4				-1.5		3.6	3.6	-2.1	-2.1	-4.4	-4.4
MELK	maternal embryonic leucine zipper kinase	1.4	1.4			-1.3		-1.3	-1.3	1.4	1.4		
MEN1	multiple endocrine neoplasia I			-1.4	-1.4			1.3	1.3	-1.5	-1.5	-1.3	-1.3
MEOX2	mesenchyme homeobox 2												
MEP50	WD repeat domain 77	-1.7	-1.7	-1.4	-1.4	-1.8		-1.8	-1.8	-1.5	-1.5	-1.4	-1.4
METAP2	methionyl aminopeptidase 2												
METAP2	--	-1.2						1.4	1.4	-1.3	-1.3	-1.7	-1.7
METTL1	methyltransferase like 1	-1.3	-1.3										
MFAP1	microfibrillar-associated protein 1	1.2		1.2	1.2			-1.6	-1.6	-1.4	-1.4		
MFAP4	microfibrillar-associated protein 4					2.2							
MFGE8	milk fat globule-EGF factor 8 protein	1.3		2.3	2.3	1.3		-1.5		1.7			

MFHAS1	malignant fibrous histiocytoma amplified sequence 1				1.3		-1.2		1.9		-1.5	-1.5	-4.1	-4.1
MFN1	mitofusin 1				1.4	1.4			1.7				1.9	1.9
MFN2	mitofusin 2						-1.2				1.6		-1.6	-1.6
MFNG	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase				-1.3	-1.3			3.0	3.0	-1.8	-1.8	-9.2	-9.2
MGA	MAX gene associated				-1.3		-1.2		3.0	3.0	-1.8	-1.8	-7.2	-7.2
MGAT1	mannosyl (alpha-1,3)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase						1.2		-1.3					
MGC17330	HGFL gene	7.3	7.3	6.8	6.8	5.5	5.5	34.8	34.8	7.3	7.3	12.3	12.3	12.3
MGC5508	transmembrane protein 109	-1.4	-1.4	-1.5	-1.5	-1.6	-1.6	-1.4	-1.4	-1.7	-1.7	-1.5	-1.5	-1.5
MGEA5	meningioma expressed antigen 5 (hyaluronidase)				1.6		1.5		1.7	1.7	1.3	1.3	1.9	1.9
MGMT	O-6-methylguanine-DNA methyltransferase										-1.9	-1.9		
MIB1	mindbomb homolog 1 (Drosophila)						1.2		4.1	4.1	1.2		-7.8	-7.8
MICB	MHC class I polypeptide-related sequence B						-1.3		-1.4	-1.4				
MIF	macrophage migration inhibitory factor (glycosylation-inhibiting factor)	-1.2									-1.9	-1.9	-2.6	-2.6
MINA	MYC induced nuclear antigen			-1.7				-1.2	-1.2	-1.7	-1.7	-1.9	-1.9	-1.9
MINPP1	multiple inositol polyphosphate histidine phosphatase, 1	1.2		1.4				1.6	1.6				-1.7	-1.7
MIPEP	mitochondrial intermediate peptidase													
MIR16	membrane interacting protein of RGS16			1.3			-1.3		2.1	2.1	-1.4	-1.4	-2.9	-2.9
MIZF	MBD2-interacting zinc finger													
MKI67	antigen identified by monoclonal antibody Ki-67	1.3		1.3				-2.2	-2.2	2.1	2.1	2.2	2.2	2.2
MKL1	megakaryoblastic leukemia (translocation) 1	1.4		1.4	1.4			1.5	1.5	-1.5	-1.5	-1.6	-1.6	-1.6
MKMK1	MAP kinase interacting serine/threonine kinase 1	1.4		1.3		1.9	1.9	1.7	1.3			1.3	1.3	1.3
MKRN1	makorin, ring finger protein, 1	1.2						-1.5	-1.5			2.1	2.1	2.1
MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1						-1.5	-1.5	1.7	1.7			-5.1	-5.1
MLF2	myeloid leukemia factor 2	-1.3												
MLH1	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)										-1.6	-1.6	-1.5	-1.5
MLH3	mutL homolog 3 (E. coli)	-1.4					-1.4		2.2	2.2	-1.3	-1.3	-2.4	-2.4
MLL	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)							1.8	1.8	-1.8	-1.8	2.0	2.0	2.0
MLL4	myeloid/lymphoid or mixed-lineage leukemia 4	1.2												
MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 10						-1.7		2.7	2.7	1.2		-2.7	-2.2
MLLT7	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7						5.6	5.6						
MLX	MAX-like protein X	-1.3	-1.3	-1.2			-1.5		1.2					
MMD	monocyte to macrophage differentiation-associated			-1.3			-1.3				-2.6	-2.6	-2.7	-2.7
MME	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase)	1.4	1.4				1.6				-1.3	-1.3		
MMP11	matrix metalloproteinase 11 (stromelysin 3)	1.3												
MMP14	matrix metalloproteinase 14 (membrane-inserted)						1.7				-1.3	-1.3		
MMP25	matrix metalloproteinase 25													
MMS19L	MMS19-like (MET18 homolog, S. cerevisiae)						-1.3	-1.3	1.7	1.7			-1.4	-1.4
MNAT1	menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis)	-1.4		1.2			-1.5	-1.5						
MNT	MAX binding protein	-1.5		-1.5	-1.5	-1.6			-1.5	-1.5				
MOAP1	modulator of apoptosis 1	1.9	1.9	1.4							1.5	1.5	1.5	1.5
MOBK1B	MOB1, Mps One Binder kinase activator-like 1B (yeast)								-1.6	-1.6	-1.2		1.4	1.4
MONDOA	MLX interacting protein	1.3		1.4					1.5	1.5	1.7	1.7	-1.2	
MORF4L2	mortality factor 4 like 2								1.5	1.2				
MPG	N-methylpurine-DNA glycosylase								-4.1	-4.1			4.1	4.1
MPHOSPH1	M-phase phosphoprotein 1								1.9	1.9			-3.2	-3.2
MPHOSPH10	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)	-1.4		-1.5	-1.5	-1.5					-1.3	-1.3	-1.3	-1.3
MPHOSPH6	M-phase phosphoprotein 6	-1.2					-1.4		-1.5	-1.3	-1.9	-1.9	-2.3	-2.3
MPHOSPH9	M-phase phosphoprotein 9	1.4							1.2		-1.3	-1.3	-1.4	-1.4
MPI	mannose phosphate isomerase	-1.3	-1.3	-1.7	-1.7	-1.4								
MPP1	membrane protein, palmitoylated 1, 55kDa	1.4				1.3			-1.9	-1.9	-1.3	-1.3		
MPP2	membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2)			-1.2		1.5								
MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	-1.6		-1.2		-1.7			38.6	38.6			-21.9	-21.9
MPST	mercaptopyruvate sulfurtransferase	-1.4									1.3	1.3		
MPV17	MpV17 mitochondrial inner membrane protein										-1.4	-1.4	-1.9	-1.9
MPZ	myelin protein zero (Charcot-Marie-Tooth neuropathy 1B)			1.2										
MPZL1	myelin protein zero-like 1			1.7		1.4			-7.5	-7.5	-1.8	-1.8	9.8	9.8
MR1	major histocompatibility complex, class I-related	1.2				1.4			-1.9				3.5	3.5
MRC2	mannose receptor, C type 2								2.0	2.0			-8.0	-8.0

MRCL3	myosin regulatory light chain MRCL3				1.4	1.4				-2.0	-2.0	2.2	2.2		5.8	5.8
MRE11A	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)				1.4					-1.3					-1.7	-1.7
M-RIP	myosin phosphatase-Rho interacting protein									-5.4	-5.4	1.2	1.2		26.4	26.4
MRLC2	myosin regulatory light chain MRLC2															
MRPL12	mitochondrial ribosomal protein L12	-1.3			-2.0	-2.0						-1.7	-1.7		-3.2	-3.2
MRPS12	mitochondrial ribosomal protein S12	-1.4	-1.4		-1.3	-1.2	-2.0	-1.7	-1.5	-1.5					-2.0	-1.7
MRPS27	mitochondrial ribosomal protein S27											-1.5	-1.5		-1.5	-1.5
MSC	musculin (activated B-cell factor-1)															
MSH2	mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)				-1.3	-1.3	-1.5	-1.5	-1.5	-1.5	-1.6	-1.6	-1.6	-1.6	-1.8	-1.8
MSH3	mutS homolog 3 (E. coli)	1.3								-1.3		-1.5	-1.5		1.7	1.7
MSH6	mutS homolog 6 (E. coli)	1.5	-1.2		-1.3		-1.7	-1.7	-2.5	-2.5	-2.7	-2.7	-2.7	-2.7	-2.4	-2.4
MSN	moesin	1.2			1.3		1.2			1.4	1.4	1.4	1.2		1.7	1.7
MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	1.4														
MSX1	msh homeobox 1	1.5	1.5				1.3			-1.4		-1.6	-1.6		-1.4	-1.4
MT1A	metallothionein 1A (functional)	1.3			1.3	1.3	2.2									
MT1B	metallothionein 1B (functional)	1.3			1.5	1.5	1.6									
MT1E	metallothionein 1E (functional)				1.9	1.9	2.1	2.1	1.8	1.8	2.3	2.3		1.3		
MT1G	metallothionein 1G						1.4					1.7	1.7			
MT1H	metallothionein 1H	1.3			1.5	1.5	2.1	2.1	1.4	1.4	3.0	3.0		1.3	1.3	1.3
MT1X	metallothionein 1X	1.4			2.1	2.1	2.2			1.6	1.6	1.8	1.8		1.7	1.7
MT2A	metallothionein 2A						1.5			3.2	3.2	3.0	3.0		1.2	1.2
MT3	metallothionein 3 (growth inhibitory factor (neurotrophic))	1.4			1.5	1.5	1.7	1.7								
MTA1	metastasis associated 1				-1.6		-1.2			1.4	1.4	-1.4	-1.4		-1.6	-1.6
MTCP1	mature T-cell proliferation 1				1.3	1.3				-1.4	-1.4	-1.8		1.4		
MTF1	metal-regulatory transcription factor 1											-1.4			-1.3	
MTHFD1	methyltetrahydrofolate dehydrogenase (NADP+ dependent) 1, methylenetetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase	-1.4	-1.4	-1.9	-1.9	-1.5	-1.5	-1.5	1.5	1.5	-2.2	-2.2	-2.2	-2.2	-5.0	-5.0
MTHFD2	methyltetrahydrofolate dehydrogenase (NADP+ dependent) 2, methylenetetrahydrofolate cyclohydrolase	-2.1	-2.1	-2.8	-2.8	-1.7	-1.7	-1.7			-2.0	-2.0	-2.0	-2.0	-2.7	-2.7
MTHFS	5,10-methylenetetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)						-1.7	1.3	-1.4	-1.4				1.3		
MTIF2	mitochondrial translational initiation factor 2	1.4					-1.3	-1.3						-1.3	-1.3	-1.3
MTM1	myotubularin 1	1.6			2.4	2.4	1.5			2.5	2.5	1.4			-2.5	-2.5
MTMR2	myotubularin related protein 2									-1.2	-1.2	-1.3	-1.3		1.5	
MTMR3	myotubularin related protein 3	1.4			1.4	1.4				-1.4	-1.4	1.5	1.5		1.9	1.9
MTMR4	myotubularin related protein 4	-1.3	-1.3	-1.5			-1.8	-1.8								
MTMR6	myotubularin related protein 6									-1.4	-1.4	2.2	1.7		1.5	1.5
MTMR9	myotubularin related protein 9				1.3							1.3				
MTR	5-methyltetrahydrofolate-homocysteine methyltransferase	-1.2					-1.3	-1.3				1.4	1.4		-1.7	-1.7
MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	-1.7			-1.4		-1.4					-1.2	-1.2		-1.8	-1.8
MTSS1	metastasis suppressor 1						2.0			13.4	13.4	6.6	6.6		-4.9	-4.9
MTX1	metaxin 1				-1.2	-1.2				-1.3		-1.3			-1.2	
MTX2	metaxin 2	-1.5			-1.5	-1.5	-1.5			1.3	1.3				-2.1	-2.1
MUC1	mucin 1, cell surface associated						1.4									
MUT	methylmalonyl Coenzyme A mutase				1.3	1.3				-1.6	-1.6				2.0	2.0
MUTYH	mutY homolog (E. coli)				1.4	1.4										
MVK	mevalonate kinase (mevalonic aciduria)						1.2			-1.2					1.4	1.4
MX2	myxovirus (influenza virus) resistance 2 (mouse)				1.2											
MXI1	MAX interactor 1	-2.7	-2.7	-3.3	-3.3	-1.6			6.4	6.4	-1.7	-1.7		-6.2	-6.2	-6.2
MYB	v-myb myeloblastosis viral oncogene homolog (avian)	-1.3			2.4	2.4	-1.4			2.2	2.2	1.8	1.8		-2.0	-2.0
MYBL1	v-myb myeloblastosis viral oncogene homolog (avian)-like 1	1.3														
MYBL2	v-myb myeloblastosis viral oncogene homolog (avian)-like 2														-2.5	-2.5
MYBPC1	myosin binding protein C, slow type						1.4									
MYC	v-myc myelocytomatosis viral oncogene homolog (avian)	-3.8	-3.8	-4.6	-4.6	-3.6	-3.6	-3.6		1.6	1.6	-2.8	-2.8		-4.8	-4.8
MYCBP	c-myc binding protein									1.3	1.3	-1.2	-1.2		-1.6	-1.6
MYCBP2	MYC binding protein 2	-1.2					-1.3			-1.5	-1.5	-1.4	-1.4		1.2	
MYD88	myeloid differentiation primary response gene (88)	-1.3										-1.6	-1.6			
MYEF2	myelin expression factor 2	1.2										1.3				
MYH10	myosin, heavy chain 10, non-muscle				-1.3					-3.7	-3.7	-1.4	-1.3		3.8	3.8
MYH9	myosin, heavy chain 9, non-muscle	1.4			1.3		1.6	1.6	-1.8	-1.8	1.3				2.2	2.2
MYL6	myosin, light chain 6, alkali, smooth muscle and non-muscle						1.2					1.5	1.5		1.4	1.4

NDUFB7	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa	-1.3						-1.3	-1.3	1.9	1.9	1.7	
NDUFB8	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa							1.2	1.2	-1.2		-2.1	-2.1
NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1, 6kDa			-1.2				1.4	1.4			-2.0	-2.0
NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)					-1.2		-1.6	-1.6	-1.5	-1.5	1.4	1.4
NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)							1.9	1.9	-1.3		-1.7	-1.7
NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)									-1.4	-1.4	-1.7	-1.7
NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)					-1.3						1.6	1.6
NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)					-1.2		-1.9	-1.9	-1.5	-1.5	-1.3	-1.3
NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	1.2						-1.5	-1.5			-1.8	-1.8
NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)							-1.3		-1.6	-1.6	-1.7	-1.7
NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)			-1.2						1.7	-1.5	-2.2	-2.2
NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa							-1.6	-1.6	-1.4	-1.4	-2.0	-2.0
NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	-1.2		-1.3		-1.3	-1.4						
NEBL	nebulette							-1.3		-1.6		1.8	1.8
NECAP1	NECAP endocytosis associated 1							-1.3	-1.3	-1.3	-1.3	1.6	1.6
NEDD4	neural precursor cell expressed, developmentally down-regulated 4							2.8	2.8	1.2		-3.0	-3.0
NEDD8	neural precursor cell expressed, developmentally down-regulated 8									-1.3		-1.2	
NEK1	NIMA (never in mitosis gene a)-related kinase 1							-1.5	-1.5	-2.4	-2.4	-1.3	
NEK2	NIMA (never in mitosis gene a)-related kinase 2			1.5				-1.9	-1.9	1.5	1.5	2.1	2.1
NEK4	NIMA (never in mitosis gene a)-related kinase 4			1.5						1.3	1.3		
NEK9	NIMA (never in mitosis gene a)-related kinase 9												
NEURL	neurularized homolog (Drosophila)											-2.0	
NF1	neurofibromin 1 (neurofibromatosis, von Recklinghausen disease, Watson disease)			1.7		1.7				2.0	2.0	-1.4	-1.4
NF2	neurofibromin 2 (bilateral acoustic neuroma)	-1.3				-1.2		-1.3	-1.3	-1.4		1.4	
NFATC2IP	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 interacting protein	1.4		1.4	1.4	1.2		-2.4	-2.4	-1.3	-1.3	1.3	
NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	-1.4		-1.4	-1.4	-1.3	-1.9	-1.9	-1.8	-1.4	-1.4	1.2	
NFE2	nuclear factor (erythroid-derived 2), 45kDa					-3.3							
NFE2L1	nuclear factor (erythroid-derived 2)-like 1					-1.4	-1.4	1.6	1.6	1.2		-1.5	-1.5
NFE2L2	nuclear factor (erythroid-derived 2)-like 2							2.2	2.2	-1.4	1.3	-2.1	-2.1
NFIC	nuclear factor I/C (CCAAT-binding transcription factor)						1.2	5.9	5.9	-1.9	-1.9	-8.4	-8.4
NFIL3	nuclear factor, interleukin 3 regulated	6.0	6.0	7.4	7.4	3.6	3.6	-2.5	-2.5	5.0	5.0	19.1	19.1
NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105)	1.4	1.4	1.6	1.5	-1.3				-2.2	-2.2		
NFKB2	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)							-1.5	-1.5			1.7	1.7
NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	3.0	3.0	3.4	3.4	2.8	2.8	1.9	1.9	2.5	2.5	5.5	5.5
NFKBIB	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta												
NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon					-1.5							
NFRKB	nuclear factor related to kappaB binding protein					1.3		2.2	2.2			-6.3	-6.3
NFX1	nuclear transcription factor, X-box binding 1									1.5		-1.3	-1.3
NFYA	nuclear transcription factor Y, alpha					-1.4		1.6	1.6			-1.9	-1.9
NFYB	nuclear transcription factor Y, beta			1.2				-1.6	-1.6			1.3	1.3
NFYC	nuclear transcription factor Y, gamma			-1.3	-1.3			-1.4	-1.4	-1.3	-1.3	-1.2	-1.2
NGFR	nerve growth factor receptor (TNFR superfamily, member 16)					1.3				6.7	6.7		
NHP2L1	NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae)									-1.6	-1.6	-1.9	-1.9
NIPSNAP1	nipsnap homolog 1 (C. elegans)			-1.3		-1.8	-1.8			-2.9	-2.9	-1.8	-1.8
NISCH	nischarin			-1.2								3.1	3.1
NIT1	nitrilase 1	1.4										1.3	1.3
NKRF	NF-kappaB repressing factor	-1.4		-1.5	-1.5							-1.3	-1.3
NKTR	natural killer-tumor recognition sequence			1.3		1.3		2.0	2.0			-1.7	-1.7
NKX2-5	NK2 transcription factor related, locus 5 (Drosophila)	-2.0	-2.0	-2.8	-2.8	-2.4	-2.4						
NMB	neuromedin B							1.4	1.4			-2.0	-2.0
NME1	non-metastatic cells 1, protein (NM23A) expressed in	-1.5	-1.5	-2.2	-2.2	-1.7	-1.7			-4.4	-4.4	-7.6	-7.6
NME2	non-metastatic cells 2, protein (NM23B) expressed in			-1.3		-1.3				-1.3		-1.6	-1.6
NME4	non-metastatic cells 4, protein expressed in	-1.3		-2.3	-2.3	-1.6				-2.1	-2.1	-2.5	-2.5
NME6	non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase)					1.2		1.6	1.6			-1.6	-1.6
NMI	N-myc (and STAT) interactor					-1.3		1.2	1.2			-1.8	-1.8
NMT1	N-myristoyltransferase 1			-1.2						1.4	-1.3	-1.3	-1.3
NMT2	N-myristoyltransferase 2	1.2						1.3		-2.4	-2.4		
NNT	nicotinamide nucleotide transhydrogenase	1.3		1.3				1.3	1.3			-1.3	-1.3

PDPK1	3-phosphoinositide dependent protein kinase-1							-1.8	-1.8	1.4		2.3	2.3
PDXK	pyridoxal (pyridoxine, vitamin B6) kinase						-1.4	2.8	2.8	1.2		-4.7	-4.7
PEA15	phosphoprotein enriched in astrocytes 15						-1.4	-1.3	-1.3	-1.4			
PECAM1	platelet/endothelial cell adhesion molecule (CD31 antigen)						-1.5	-1.5	-1.2		-1.7	-1.7	1.2
PELP1	proline, glutamic acid and leucine rich protein 1			-1.3						1.4			
PEMT	phosphatidylethanolamine N-methyltransferase			-1.8	-1.8			-3.7	-3.7				
PEPD	peptidase D									-1.8	-1.8	-1.3	-1.3
PER1	period homolog 1 (Drosophila)	1.3		1.3			1.9			1.3		19.4	19.4
PER2	period homolog 2 (Drosophila)	-1.6		-1.3			-1.6	-2.0	-2.0	-1.7	-1.7		
PES1	pescadillo homolog 1, containing BRCT domain (zebrafish)	-1.6	-1.6	-1.8	-1.8	-1.6	-1.6					-1.6	-1.6
PEX1	peroxisome biogenesis factor 1	1.5		1.4						1.5	1.5	3.2	3.2
PEX10	peroxisome biogenesis factor 10	-1.3		-1.3			1.6	-1.3		-1.5			
PEX11B	peroxisomal biogenesis factor 11B	1.2		1.3	1.3			-1.4	-1.4	1.4	1.4	1.9	1.9
PEX14	peroxisomal biogenesis factor 14						-1.7	-1.7	1.3	1.3		-1.3	-1.3
PEX19	peroxisomal biogenesis factor 19	-1.3					-1.3						
PEX3	peroxisomal biogenesis factor 3						-1.2		1.4	1.3	-2.4	-2.4	-2.3
PEX5	peroxisomal biogenesis factor 5	-1.3	-1.3	-1.3			-1.6					-1.3	-1.3
PEX6	peroxisomal biogenesis factor 6						-1.2		1.5			-1.4	
PFAS	phosphoribosylformylglycinamide synthase (FGAR amidotransferase)	-1.4		-2.1	-2.1	-1.2		-2.4	-2.4	-2.7	-2.7	-2.3	-2.3
PFDN1	prefoldin subunit 1							-1.4				1.7	
PFDN4	prefoldin subunit 4									1.3		1.6	
PFDN5	prefoldin subunit 5								1.4	1.4	1.4	1.4	-1.2
PFKFB2	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2						1.3					2.4	2.4
PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	-1.3											
PFKM	phosphofructokinase, muscle						-1.5	-26.2	-26.2	-4.3	-4.3	7.9	7.9
PFKP	phosphofructokinase, platelet							1.5	1.5	1.7	1.7	-1.6	-1.6
PFN1	profilin 1	-1.3		-1.2				-2.1	-2.1			1.8	1.8
PFN2	profilin 2						-1.4						
PGAM1	phosphoglycerate mutase 1 (brain)	-1.2	-1.2	-1.3	-1.3			1.5	1.5	-1.2	-1.2	-2.4	-2.4
PGD	phosphogluconate dehydrogenase			-1.2	-1.2			1.8	1.8	-1.3	-1.3	-2.1	-2.1
PGGT1B	protein geranylgeranyltransferase type I, beta subunit			1.7				-3.2	-3.2	1.4		3.9	3.9
PGK1	phosphoglycerate kinase 1	-1.3		-1.6	-1.6	-1.5		1.3	1.3	-1.9	-1.9	-2.6	-2.6
PGM1	phosphoglucomutase 1							1.7	1.7	-1.8	-1.8	-3.2	-3.2
PGM3	phosphoglucomutase 3	1.4		1.2		1.4		-2.6	-2.6			1.5	
PGRMC1	progesterone receptor membrane component 1							1.3		-1.5	-1.5	-1.8	-1.8
PGRMC2	progesterone receptor membrane component 2	-1.2	-1.2	-1.3	-1.3			1.7	1.7			-2.6	-2.6
PHB	prohibitin	-1.4		-1.5								-1.9	-1.9
PHB2	prohibitin 2						-1.3	-1.7	-1.7			1.5	1.5
PHC2	polyhomeotic homolog 2 (Drosophila)							-1.6	-1.6			1.7	1.7
PHF1	PHD finger protein 1						-1.2	1.8	1.8			-1.6	-1.6
PHF21A	PHD finger protein 21A						1.4	2.0	2.0	-1.3		-1.5	-1.5
PHGDH	phosphoglycerate dehydrogenase	-1.3						-1.7	-1.7	-2.4	-2.4	-2.3	-2.3
PHKA1	phosphorylase kinase, alpha 1 (muscle)							3.0	3.0			-4.3	-4.3
PHKA2	phosphorylase kinase, alpha 2 (liver)	1.3						1.7	1.7	-1.3	-1.3		
PHKB	phosphorylase kinase, beta	1.4					1.3	-1.7	-1.7	1.4	1.4	2.0	2.0
PHYH	phytanoyl-CoA 2-hydroxylase									1.7	1.7		
PIAS1	protein inhibitor of activated STAT, 1							1.7	1.7	1.7	1.4	2.2	2.2
PIAS2	protein inhibitor of activated STAT, 2	1.2		1.4		1.5		-1.4		-1.7	-1.7	-1.9	-1.9
PICALM	phosphatidylinositol binding clathrin assembly protein	1.7	1.7	1.7	1.7	1.5	1.5	2.1	2.1	2.0	2.0	2.1	2.1
PIG8	centrosomal protein 57kDa						-1.3	1.6	1.6	-1.3		-2.3	-2.3
PIGA	phosphatidylinositol glycan anchor biosynthesis, class A (paroxysmal nocturnal hemoglobinuria)									1.5	1.5		
PIGB	phosphatidylinositol glycan anchor biosynthesis, class B	1.4						1.2				-1.6	-1.6
PIGC	phosphatidylinositol glycan anchor biosynthesis, class C			1.3	1.3			1.9	1.9	2.5	2.5	-1.3	-1.3
PIGF	phosphatidylinositol glycan anchor biosynthesis, class F						-1.2			-1.3			
PIGH	phosphatidylinositol glycan anchor biosynthesis, class H											1.4	
PIGR	polymeric immunoglobulin receptor						1.4						
PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide						-1.2	2.5	2.5	1.7	1.7	1.4	1.4
PIK3C2B	phosphoinositide-3-kinase, class 2, beta polypeptide											-5.3	-5.3

PRIM1	primase, polypeptide 1, 49kDa				-1.5	-1.5	-1.2			-1.3	-1.3	-1.8	-1.8	-2.3	-2.3
PRIM2A	primase, polypeptide 2A, 58kDa				-1.2	-1.2				1.4	1.4			-1.4	-1.4
PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit									1.3	1.3	1.6	1.6	-1.3	
PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	-1.4								1.5	1.5				
PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	1.7								5.1	5.1	-1.5		2.3	2.3
PRKACB	protein kinase, cAMP-dependent, catalytic, beta				1.8	1.8				2.4	2.4	-2.7	-2.7	-1.6	-1.6
PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit									1.2	1.2			1.3	
PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	1.2			1.8	1.8				2.0	2.0	1.4	1.4	-1.3	
PRKAR1B	protein kinase, cAMP-dependent, regulatory, type I, beta	-1.6	-1.6	-1.3	-1.3	-1.2									
PRKAR2B	protein kinase, cAMP-dependent, regulatory, type II, beta	1.4	1.4	2.0	2.0					-1.4		1.4		1.9	1.9
PRKCA	protein kinase C, alpha	1.6	1.6	1.5						6.6	6.6	1.3	1.3	-7.0	-7.0
PRKCABP	protein interacting with PRKCA 1							1.3							
PRKCB1	protein kinase C, beta 1	1.2		2.3	2.3	-1.2				20.7	20.7	1.6	1.6	-18.3	-18.3
PRKCBP1	protein kinase C binding protein 1						1.7			-1.2	-1.2	1.4	1.4	1.6	1.6
PRKCD	protein kinase C, delta	1.6												6.3	6.3
PRKCH	protein kinase C, eta	-1.6								3.4	3.4	3.7	3.7	-2.4	-2.4
PRKCI	protein kinase C, iota	1.2		2.0	2.0	-1.4	-1.4			1.2				3.5	3.5
PRKCQ	protein kinase C, theta									1.6	1.6			-2.4	-2.4
PRKCSH	protein kinase C substrate 80K-H														
PRKD2	protein kinase D2									-3.2	-3.2	1.8	1.8	4.8	4.8
PRKDC	protein kinase, DNA-activated, catalytic polypeptide									-1.3	-1.2	-1.6	-1.6	-2.1	-2.1
PRKRA	protein kinase, interferon-inducible double stranded RNA dependent activator	-1.3		-1.8	-1.8	-1.5				-1.9	-1.9	2.5	2.5	5.0	5.0
PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	-1.2	-1.2	1.3								-1.6	-1.6	-1.4	-1.4
PRKX	protein kinase, X-linked	2.0				-1.2				-2.3	-2.3	3.4	3.4	5.3	5.3
PRKY	protein kinase, Y-linked			-1.5										1.4	
PRMT3	protein arginine methyltransferase 3	-1.6	-1.6	-2.4	-2.4	-2.1	-2.1			-1.3	-1.3	-2.4	-2.4	-2.8	-2.8
PRNP	prion protein (p27-30) (Creutzfeldt-Jakob disease, Gerstmann-Sträussler-Scheinker syndrome, fatal familial insomnia)									-1.4	-1.4	-1.3			
PRNPPIP	prion protein interacting protein			-1.6	-1.6							-1.3		-2.5	-2.5
PROCR	protein C receptor, endothelial (EPCR)					-2.2	-2.2			6.6	6.6	-1.5	-1.5	-12.1	-12.1
PROSC	proline synthetase co-transcribed homolog (bacterial)	-1.3		1.3		-1.2								-1.5	-1.5
PRPF18	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)			1.2		-1.3									
PRPF19	PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae)	-1.3								-1.3	-1.3	-1.9	-1.9	-2.2	-2.2
PRPF3	PRP3 pre-mRNA processing factor 3 homolog (S. cerevisiae)						-1.6								
PRPF31	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)			1.3	1.3	-1.6	-1.6			-1.6	-1.2			-2.1	-2.1
PRPF4	PRP4 pre-mRNA processing factor 4 homolog (yeast)			-1.4	-1.3	-1.5				-1.3	-1.3	-2.2	-2.2	-2.1	-2.1
PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	1.4								1.3				-1.3	-1.3
PRPF8	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)			-1.3	-1.3					-1.4	-1.4	-1.3	-1.3		
PRPH	peripherin			1.4		1.3									
PRPS1	phosphoribosyl pyrophosphate synthetase 1	-1.5	-1.5			-1.4				-2.1	-2.1	-2.6	-2.6	-2.3	-2.3
PRPS2	phosphoribosyl pyrophosphate synthetase 2					-1.4				1.3	1.3			-2.1	-2.1
PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1			1.3						1.9	1.9			-1.3	-1.3
PRPSAP2	phosphoribosyl pyrophosphate synthetase-associated protein 2					-1.3				-1.8	-1.8	-1.5		1.3	
PRSS25	HtrA serine peptidase 2									1.5	1.5	-1.5	-1.5	-1.9	-1.9
PRSS3	protease, serine, 3 (mesotrypsin)						1.4								
PRSS8	protease, serine, 8 (prostasin)			1.3	1.3	1.5									
PRUNE	prune homolog (Drosophila)					-1.3				-1.5	-1.5	-1.9	-1.9		
PSAP	prosaposin (variant Gaucher disease and variant metachromatic leukodystrophy)					1.3				3.1	3.1	-1.4	-1.4	-1.4	
PSCD1	pleckstrin homology, Sec7 and coiled-coil domains 1 (cytohesin 1)									-1.2		1.3		1.9	1.9
PSCD2	pleckstrin homology, Sec7 and coiled-coil domains 2 (cytohesin-2)						1.3			-1.3		1.4	1.4	1.8	1.8
PSEN1	presenilin 1 (Alzheimer disease 3)	1.7	1.7	1.8	1.8	1.5	1.5			1.3	1.3	1.5	1.5	2.0	2.0
PSF1	GIN5 complex subunit 1 (Psf1 homolog)			-1.5	-1.3					-1.9	-1.9	-1.6	-1.6	-2.3	-2.3
PSG1	pregnancy specific beta-1-glycoprotein 1			1.3						-1.2		-1.4			
PSIP1	PC4 and SFRS1 interacting protein 1	1.3								-2.0	-2.0	-1.5	-1.5	2.5	2.5
PSKH1	protein serine kinase H1			1.3		1.4									
PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1	1.3								-1.2	-1.2	-1.2		-1.3	-1.3
PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	-1.3				-1.2				3.5	3.5	-1.3	-1.3	-5.0	-5.0
PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3					-1.4				1.3	1.3	-1.7	-1.7	-1.7	-1.7
PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4					-1.3						-1.3	-1.3	-1.5	-1.5

PSMA5	proteasome (prosome, macropain) subunit, alpha type, 5		-1.2		-1.2		-1.4	-1.4		-1.4	-1.4	-2.3	-2.3	
PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6		1.2		1.4			-1.3	-1.3			1.3	1.3	
PSMB1	proteasome (prosome, macropain) subunit, beta type, 1						-1.2					-1.5	-1.5	
PSMB10	proteasome (prosome, macropain) subunit, beta type, 10				-1.2	-1.2	-1.2		-3.7	-3.7		1.5	1.5	
PSMB2	proteasome (prosome, macropain) subunit, beta type, 2								-1.2	-1.2	-1.6	-1.6	-1.5	-1.5
PSMB3	proteasome (prosome, macropain) subunit, beta type, 3									-1.2	-1.2	-1.8	-1.8	
PSMB4	proteasome (prosome, macropain) subunit, beta type, 4				1.2		-1.3		1.3	1.3	-1.4	-1.4	-1.3	-1.2
PSMB5	proteasome (prosome, macropain) subunit, beta type, 5		-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	1.5	1.5	-1.4	-1.4	-2.2	-2.2
PSMB6	proteasome (prosome, macropain) subunit, beta type, 6				-1.2		-1.3		-1.6	-1.6				
PSMB7	proteasome (prosome, macropain) subunit, beta type, 7						-1.3						-1.8	-1.8
PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)						-1.2		-18.9	-18.9			16.2	16.2
PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)						-1.2		-202.7	-202.7	-1.3	-1.3	22.2	22.2
PSMC1	proteasome (prosome, macropain) 26S subunit, ATPase, 1						-1.5							
PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2				-1.2		-1.3						-1.5	-1.5
PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3				-1.2		-1.5		-1.4	-1.4			-1.5	-1.5
PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4						-1.3		1.3		-1.3	-1.3	-2.9	-2.9
PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5								1.6	1.6			-2.6	-2.6
PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6						-1.2		1.3	1.3	1.3		-1.4	-1.4
PSMD1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1								-1.6	-1.6	-1.4	-1.4	-1.4	-1.4
PSMD10	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10		-1.2		-1.2		-1.4		-1.2	-1.2			-1.2	-1.2
PSMD11	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11						-1.4						-2.1	-1.6
PSMD12	proteasome (prosome, macropain) 26S subunit, non-ATPase, 12				-1.5		-1.4		1.6	1.6			-2.2	-2.2
PSMD13	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13										1.4		-1.9	-1.9
PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14						-1.4		1.3	1.3			-2.4	-2.4
PSMD2	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2								1.3	1.3			-1.8	-1.8
PSMD3	proteasome (prosome, macropain) 26S subunit, non-ATPase, 3				-1.4						-1.5	-1.5	-2.0	-2.0
PSMD4	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4						-1.3		1.3	1.3			-1.6	-1.6
PSMD5	proteasome (prosome, macropain) 26S subunit, non-ATPase, 5								3.0	3.0	-1.2		-2.5	-2.5
PSMD6	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6						-1.6				-1.2	-1.2		
PSMD7	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (Mov34 homolog)						-1.4					-1.3	-1.2	
PSMD8	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8		-1.2		-1.3	-1.3			-1.5	-1.5	-1.3	-1.3		
PSMD9	proteasome (prosome, macropain) 26S subunit, non-ATPase, 9		-1.2				-1.2				1.3			
PSME1	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)						-1.2		-1.9	-1.9	-1.8	-1.8		
PSME2	proteasome (prosome, macropain) activator subunit 2 (PA28 beta)				-1.3	-1.3			-2.4	-2.4	-1.8	-1.8		
PSME3	proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki)				-1.4	-1.4	-1.4	-1.4	1.5	1.5	-2.2	-2.2	-2.6	-2.6
PSPH	phosphoserine phosphatase		-1.6				-1.9		3.3	3.3	-2.0	-2.0	-8.6	-8.6
PTBP1	polypyrimidine tract binding protein 1										-1.5	-1.5	-2.1	-2.1
PTDSR	phosphatidylserine receptor		1.3		1.5	1.5	-1.4				1.4	1.4	1.3	
PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)		2.3	2.3	2.3	2.3	1.5		4.2	4.2	-1.5	-1.3	-4.7	-4.7
PTGER3	prostaglandin E receptor 3 (subtype EP3)				1.2	1.2			-1.5		1.7	1.7	1.2	
PTK2B	PTK2B protein tyrosine kinase 2 beta		2.1	2.1	3.1	3.1	4.2	4.2	-1.3	-1.3			1.9	1.9
PTK7	PTK7 protein tyrosine kinase 7		1.2	1.2								-1.2		
PTK9L	twinfilin, actin-binding protein, homolog 2 (Drosophila)												1.5	
PTMA	prothymosin, alpha (gene sequence 28)				-1.2		-1.4		-1.7	-1.7	-1.3	-1.3	-1.2	
PTOV1	prostate tumor overexpressed gene 1				-1.5				-1.5		-1.8	-1.8		
PTP4A1	protein tyrosine phosphatase type IVA, member 1		-1.4				-1.4		-1.7	-1.7	-1.8	-1.8	-1.9	-1.9
PTP4A2	protein tyrosine phosphatase type IVA, member 2				1.3	1.3	1.2		1.3	1.2	1.5	1.5	-1.9	-1.9
PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b				1.2				2.2	2.2	2.3	2.3	2.2	2.2
PTPN1	protein tyrosine phosphatase, non-receptor type 1		1.4		1.5	1.5	1.6	1.6	-1.8				3.0	3.0
PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)		-1.6		1.5		-1.9		1.3	1.3	-1.6		-1.3	-1.3
PTPN12	protein tyrosine phosphatase, non-receptor type 12		1.3	1.3	1.3	1.3			-10.9	-10.9	2.4	2.4	75.8	75.8
PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)		1.4	1.4	1.5	1.5					1.3		1.4	1.4
PTPN2	protein tyrosine phosphatase, non-receptor type 2		-1.6	-1.3	-1.3		-2.1	-2.1	1.3	1.3	-1.2	-1.2	-1.6	-1.6
PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)								2.9	2.9	-2.0		-8.4	-8.4
PTPN3	protein tyrosine phosphatase, non-receptor type 3		1.3		2.4	2.4	1.3				1.4		15.7	15.7
PTPN4	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)				1.3	1.2			-1.6	-1.6	-1.6	-1.6		
PTPN6	protein tyrosine phosphatase, non-receptor type 6		1.3	1.3	1.8		1.4		-5.5	-5.5			7.8	7.8
PTPN7	protein tyrosine phosphatase, non-receptor type 7								3.3	3.3	-1.5	-1.5	-4.7	-4.7

RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)					1.7		9.3					-17.1	-17.1
RAD1	RAD1 homolog (S. pombe)					-1.5		-1.6	-1.6	-2.0	-1.7		-3.2	-3.2
RAD17	RAD17 homolog (S. pombe)	-1.3				-1.4		1.3		-2.1	-2.1		-1.3	-1.2
RAD21	RAD21 homolog (S. pombe)							-2.3	-2.3	1.3	1.3		2.5	2.5
RAD23A	RAD23 homolog A (S. cerevisiae)	-1.4	-1.2	-1.6	-1.6	-1.3		-1.2		-1.4	-1.4		-1.4	
RAD23B	RAD23 homolog B (S. cerevisiae)			-1.3	-1.3	-1.3		-1.3	-1.3				-1.2	
RAD51AP1	RAD51 associated protein 1					1.4		-2.8	-2.8	-1.4	-1.4		-1.3	-1.3
RAD51C	RAD51 homolog C (S. cerevisiae)			-1.6				-1.5			-1.9	-1.9	-1.9	-1.9
RAD51L1	RAD51-like 1 (S. cerevisiae)					-1.8	-1.8							
RAD51L3	RAD51-like 3 (S. cerevisiae)			-1.7				1.8	-1.2		-1.7	-1.7		
RAD52	RAD52 homolog (S. cerevisiae)			1.3		1.4		-1.6	-1.6	1.5	1.5		4.0	4.0
RAD54L	RAD54-like (S. cerevisiae)			-1.3		-1.2		-1.3		-1.5	-1.5		-1.9	-1.9
RAE1	RAE1 RNA export 1 homolog (S. pombe)					-1.3		-1.3	-1.3	-1.4	-1.4		-1.4	-1.4
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1			1.4				-1.3	-1.3	-1.6				
RAFTLIN	raftlin, lipid raft linker 1			-1.2		-1.5		-1.5	-1.5	-1.5	-1.5			
RAG1	recombination activating gene 1	-3.6	-3.6	-3.2	-3.2	-4.2	-4.2	-32.2	-32.2	-1.3			14.5	14.5
RAG2	recombination activating gene 2			1.3				-7.4	-7.4				6.4	6.4
RAGE	renal tumor antigen	1.5		-1.4		1.3								
RAI17	zinc finger, MIZ-type containing 1	-1.3				-1.5				-1.3	-1.3		-1.6	-1.6
RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	-1.3				-1.2		1.7	1.7	-1.3	-1.3		-2.1	-2.1
RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	1.8						1.5	1.5	1.9	1.9		1.6	1.6
RALBP1	ralA binding protein 1	-1.2				-1.6		-1.8	-1.8	-1.4	-1.4		1.2	1.2
RALY	RNA binding protein, autoantigenic (hnRNP-associated with lethal yellow homolog (mouse))							-1.4	-1.4	1.3			1.2	1.2
RAMP3	receptor (G protein-coupled) activity modifying protein 3													
RAN	RAN, member RAS oncogene family							-1.2	-1.2	1.2	-1.2		-1.4	-1.4
RANBP1	RAN binding protein 1	-1.3		-1.8	-1.8	-1.5		-1.9	-1.9	-1.6			-2.8	-2.8
RANBP2	RAN binding protein 2							2.5	2.5	-1.4	-1.4		-1.9	-1.9
RANBP3	RAN binding protein 3													
RANBP5	RAN binding protein 5					-1.5	-1.5	-1.3	-1.3	-2.0	-2.0		-2.3	-2.3
RANBP9	RAN binding protein 9			-1.5	-1.5			-1.6	-1.6	-1.4	-1.3		2.1	2.1
RANGAP1	Ran GTPase activating protein 1													
RANGAP1	--	-1.2		-1.6				-1.4		-1.4	-1.4		-1.5	-1.5
RAP1A	RAP1A, member of RAS oncogene family			1.2				2.0	2.0				-2.2	-2.2
RAP1B	RAP1B, member of RAS oncogene family	1.4		1.5	1.5					1.3	1.3			
RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1							-1.5	-1.5				2.0	2.0
RAP2A	RAP2A, member of RAS oncogene family			3.9	3.9			-1.4	-1.4	1.6	1.6		4.0	4.0
RAPGEF2	Rap guanine nucleotide exchange factor (GEF) 2	1.7		1.7	1.7	1.4		1.8	1.8	2.0	2.0		4.2	4.2
RARRES3	retinoic acid receptor responder (tazarotene induced) 3			1.2						-1.7			1.6	1.6
RARS	arginyl-tRNA synthetase	-1.2	-1.2	-1.3	-1.3	-1.4							-1.9	-1.9
RASA1	RAS p21 protein activator (GTPase activating protein) 1	1.9	1.9	2.2	2.2	2.1	2.0	1.9	1.9	2.3	2.3		3.5	3.5
RASA3	RAS p21 protein activator 3			2.4	2.4			-2.6	-2.6	3.9	3.9		4.0	4.0
RASA4	RAS p21 protein activator 4	-1.3		-1.4				2.0	2.0	-1.3			-3.4	-3.4
RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG-regulated)			1.4		-1.8		-111.1	-111.1	-7.2	-7.2			
RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-regulated)							-2.3	-2.3	2.1	2.1		4.4	4.4
RASSF1	Ras association (RalGDS/AF-6) domain family 1													
RASSF2	Ras association (RalGDS/AF-6) domain family 2	1.4		2.1	2.1	-1.2		-6.4	-6.4	-2.5	-2.5		3.5	3.5
RASSF7	Ras association (RalGDS/AF-6) domain family 7			-1.3										
RB1	retinoblastoma 1 (including osteosarcoma)			1.6		-2.0		-2.6	-2.6	1.5	1.5		3.1	3.1
RB1CC1	RB1-inducible coiled-coil 1	-1.2				-1.6		-1.4	-1.4	1.7	1.7		1.7	1.7
RBBP4	retinoblastoma binding protein 4			1.4		-1.4		-1.3	-1.3	-1.4	-1.4		-1.5	-1.5
RBBP5	retinoblastoma binding protein 5					-1.5		-1.3	-1.3				1.3	1.3
RBBP6	retinoblastoma binding protein 6	-1.2				-1.2		-1.8	-1.8	1.4			2.5	2.5
RBBP8	retinoblastoma binding protein 8	-1.3	-1.3			-1.3		-1.9	-1.9	-1.7	-1.7		-1.5	-1.5
RBL1	retinoblastoma-like 1 (p107)					1.4		-1.8	-1.8	1.3			-1.4	
RBL2	retinoblastoma-like 2 (p130)	1.3		2.5	2.5	1.7		1.5	1.5	1.5	1.5		-1.3	-1.3
RBM10	RNA binding motif protein 10					-1.3				-1.3	-1.3			
RBM13	RNA binding motif protein 13	-1.6	-1.6	-1.2		-1.3	-1.3	1.2		-1.8	-1.8		-2.1	-2.1
RBM14	RNA binding motif protein 14	-1.2	-1.2	-1.3	-1.3			-1.6					-1.4	

RNASEH1	ribonuclease H1	-1.2						-1.4		-1.3	-1.3	-1.9	-1.9
RNF10	ring finger protein 10			1.2									
RNF103	ring finger protein 103	1.3	1.3	1.7	1.7			-1.2		1.5	1.5	1.7	1.7
RNF11	ring finger protein 11	-1.3		1.3	1.3	-1.2				1.5	1.5	1.5	1.5
RNF113A	ring finger protein 113A												
RNF13	ring finger protein 13					-1.5		1.4	1.3	-1.5	-1.5		
RNF139	ring finger protein 139							1.4	1.4				
RNF14	ring finger protein 14							1.3		1.4	1.4	2.3	2.3
RNF144	ring finger protein 144	1.5		1.2				3.5	3.5			-4.3	-4.3
RNF2	ring finger protein 2	-1.2		-1.3		-1.3		-1.5					
RNF4	ring finger protein 4											-1.3	-1.3
RNF40	ring finger protein 40												
RNF5	ring finger protein 5			1.3		-1.3						-1.5	-1.5
RNF6	ring finger protein (C3H2C3 type) 6			-1.3		-1.2		-2.2	-2.2	1.2	1.2	2.2	2.2
RNGTT	RNA guanylyltransferase and 5'-phosphatase							-1.6	-1.6	-1.4		1.3	
RNH	ribonuclease/angiogenin inhibitor 1			-1.4		-1.3	-1.3	2.4	2.4	-1.5	-1.5	-4.2	-4.2
RNMT	RNA (guanine-7-) methyltransferase					-1.5		1.3	1.3	-2.1		-1.5	-1.5
RNPC1	RNA binding motif protein 38	1.5						-1.9	-1.9	1.4	1.4	1.9	1.9
RNPC2	RNA binding motif protein 39					1.2		1.8	1.8	2.3	2.3	1.3	1.3
RNPEP	arginyl aminopeptidase (aminopeptidase B)	1.3		1.3	1.3								
RNPS1	RNA binding protein S1, serine-rich domain			-1.4				-5.0	-5.0	-1.3	-1.2	2.5	2.5
RNUT1	snurportin 1					-1.4		1.3	1.3			-1.5	-1.5
ROCK1	Rho-associated, coiled-coil containing protein kinase 1			1.4						1.2		1.8	1.8
ROCK2	Rho-associated, coiled-coil containing protein kinase 2			1.2				-1.3		1.3	1.3		
ROD1	ROD1 regulator of differentiation 1 (S. pombe)			1.3				-1.5		1.2		1.9	1.9
RORB	RAR-related orphan receptor B	-1.2											
RP2	retinitis pigmentosa 2 (X-linked recessive)									1.2	1.2		
RPA1	replication protein A1, 70kDa			1.6	1.6	-1.2		-2.8	-2.8	-1.6	-1.6	1.5	1.5
RPA2	replication protein A2, 32kDa									-1.4	-1.4	-1.5	-1.5
RPA3	replication protein A3, 14kDa	1.2						-2.0	-2.0	-1.4		-1.3	
RPE	ribulose-5-phosphate-3-epimerase	-1.2						-2.1	-2.1	-1.5	-1.5	1.4	1.4
RPGR	retinitis pigmentosa GTPase regulator	-1.6	-1.6	-2.1	-2.1	-1.3		6.5	6.5			1.2	
RPH3A	rabphilin 3A homolog (mouse)												
RPIA	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)	-1.3		-1.3	-1.3	-1.4				-1.7	-1.7	-2.7	-2.7
RPL10	ribosomal protein L10									1.7			
RPL10A	ribosomal protein L10a												
RPL11	ribosomal protein L11												
RPL12	ribosomal protein L12							1.5	1.5				
RPL13	ribosomal protein L13							1.4	1.4			-3.0	-3.0
RPL13A	ribosomal protein L13a							1.4	1.4	-1.3		-1.2	-1.2
RPL14	ribosomal protein L14					-1.2							
RPL15	ribosomal protein L15							1.5	1.5	2.1	2.1	-1.4	-1.4
RPL17	ribosomal protein L17					-1.3		2.1	2.1	-1.8	-1.8	-2.3	-2.3
RPL18	ribosomal protein L18							1.7		2.4	2.4		
RPL18A	ribosomal protein L18a							1.4	1.4	1.3	1.3		
RPL19	ribosomal protein L19									-1.4			
RPL21	ribosomal protein L21												
RPL22	ribosomal protein L22							1.2	1.2				
RPL23	ribosomal protein L23					-1.3		1.3	1.3	-1.3	-1.3	-1.3	-1.3
RPL23A	ribosomal protein L23a												
RPL24	ribosomal protein L24												
RPL27	ribosomal protein L27												
RPL27A	ribosomal protein L27a			1.2									
RPL28	ribosomal protein L28											-1.4	
RPL29	ribosomal protein L29							2.0	2.0	1.4	1.4	-1.5	-1.5
RPL3	ribosomal protein L3							1.3	1.3				
RPL30	ribosomal protein L30												
RPL31	ribosomal protein L31							2.9	2.9	1.3	1.3	-3.4	-3.4

RPL32	ribosomal protein L32												
RPL34	ribosomal protein L34												
RPL35	ribosomal protein L35	-1.2		-1.3	-1.3	-1.3		2.2	2.2	2.4	2.4	-1.8	-1.8
RPL36A	ribosomal protein L36a												
RPL36AL	ribosomal protein L36a-like									1.4	1.4		
RPL37	ribosomal protein L37							1.6	1.6	-1.5	-1.5	-1.8	-1.8
RPL37A	ribosomal protein L37a									-1.3		-2.2	-2.2
RPL38	ribosomal protein L38							2.0	2.0			-1.5	-1.5
RPL4	ribosomal protein L4	-1.2				-1.4		1.3	1.3				
RPL41	ribosomal protein L41												
RPL5	ribosomal protein L5			-1.5		2.7		1.3	1.3	1.7	1.2	1.3	
RPL6	ribosomal protein L6												
RPL7	ribosomal protein L7							1.3		1.3			
RPL8	ribosomal protein L8												
RPL9	ribosomal protein L9												
RPLP0	ribosomal protein, large, P0												
RPLP1	ribosomal protein, large, P1	-1.3				1.2							
RPLP2	ribosomal protein, large, P2			1.2				1.4	1.4			-1.7	-1.7
RPN1	ribophorin I							1.5	1.5			-2.3	-2.3
RPN2	ribophorin II							1.7	1.7	-1.5	-1.5	-2.6	-2.6
RPP14	ribonuclease P 14kDa subunit							1.9	1.9	-1.7	-1.7	-2.7	-2.7
RPP30	ribonuclease P/MRP 30kDa subunit					-1.6				-1.6	-1.6	-1.6	-1.6
RPP38	ribonuclease P/MRP 38kDa subunit	-1.2	-1.2			-1.4		1.7	1.7	-1.5	-1.5	-1.8	-1.8
RPP40	ribonuclease P 40kDa subunit	-1.9	-1.9	-1.8		-1.4				-1.9	-1.9	-2.3	-2.3
RPS10	ribosomal protein S10							1.3	1.3	1.4	1.4	1.3	
RPS11	ribosomal protein S11												
RPS12	ribosomal protein S12												
RPS13	ribosomal protein S13												
RPS14	ribosomal protein S14							1.5	1.5	1.6	1.6		
RPS15	ribosomal protein S15	-1.2											
RPS15A	ribosomal protein S15a					-1.2		1.5	1.5			1.2	1.2
RPS16	ribosomal protein S16												
RPS17	ribosomal protein S17							1.5	1.5	1.5	1.5		
RPS18	ribosomal protein S18							2.2	2.2				
RPS19	ribosomal protein S19							1.3	1.3	-1.6	-1.6		
RPS2	ribosomal protein S2	-1.2						2.6	2.6			-1.9	-1.9
RPS20	ribosomal protein S20												
RPS21	ribosomal protein S21	-1.3		1.4				3.1	3.1	1.2	1.2	-3.3	-3.3
RPS23	ribosomal protein S23							2.0	2.0	-1.3		-2.1	-2.1
RPS24	ribosomal protein S24							2.2	2.2			-3.2	-3.2
RPS25	ribosomal protein S25									1.3	1.3		
RPS26	ribosomal protein S26												
RPS27	ribosomal protein S27 (metalloproteinase 1)							1.3		-1.3		-1.7	-1.7
RPS27A	ribosomal protein S27a											-1.2	
RPS28	ribosomal protein S28							1.2	1.2				
RPS3	ribosomal protein S3							1.2	1.2				
RPS3A	ribosomal protein S3A												
RPS4X	ribosomal protein S4, X-linked									1.2		1.5	1.5
RPS5	ribosomal protein S5												
RPS6	ribosomal protein S6							-1.7	-1.7	-1.9	-1.9	-1.3	1.3
RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptide 1							-2.9	-2.9	-1.3	-1.3	3.6	3.6
RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2			2.9	2.9			7.9	7.9	6.0	6.0	14.2	14.2
RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	1.2		1.6						-1.5	-1.5	-1.7	-1.7
RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptide 4			-1.9	-1.9					-1.3	-1.3	-1.5	-1.5
RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	-1.3		1.5		1.2							
RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	-1.3				-1.3		1.7	1.7			-1.7	-1.7
RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2											-1.3	
RPS7	ribosomal protein S7					-1.2							

SF1	splicing factor 1	1.4		-1.4	-1.4			-1.6	-1.6	-1.4	-1.4		
SF3A1	splicing factor 3a, subunit 1, 120kDa					-1.3		-1.4	-1.4	-1.5	-1.5	-1.2	
SF3A2	splicing factor 3a, subunit 2, 66kDa			-1.5	-1.5	-1.2		-1.5	-1.5	-1.6	-1.6		1.2
SF3A3	splicing factor 3a, subunit 3, 60kDa	-1.3		-1.6	-1.6	-1.6	-1.6			-1.4	-1.4	-1.9	-1.9
SF3B1	splicing factor 3b, subunit 1, 155kDa	1.3	1.3					1.8	1.8				1.3
SF3B2	splicing factor 3b, subunit 2, 145kDa					-1.3				-1.4		-1.5	-1.5
SF3B3	splicing factor 3b, subunit 3, 130kDa					-1.4		2.2	-1.4	-1.7	-1.7	-2.7	-2.7
SF3B4	splicing factor 3b, subunit 4, 49kDa			1.2	1.2	1.2	1.2						
SF11	--	-2.0				1.8		-1.4	-1.4				
SF11	Sfi1 homolog, spindle assembly associated (yeast)												
SFN	stratifin			1.2		1.4		-1.7	-1.7	-1.8	-1.8		
SFPQ	splicing factor proline/glutamine-rich (polypyrimidine tract binding protein associated)	1.4		1.4		1.2		-1.5	1.4	1.2	1.2	-1.3	
SFRS1	splicing factor, arginine/serine-rich 1 (splicing factor 2, alternate splicing factor)			-1.2	-1.2	-1.4		-1.6	-1.6	-1.7	-1.7	-2.4	-2.4
SFRS10	splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)					-1.4		-1.7	-1.7	-1.2	-1.2	-1.3	-1.3
SFRS11	splicing factor, arginine/serine-rich 11					-1.2		2.7	2.7	4.2	4.2	-4.1	-4.1
SFRS12	splicing factor, arginine/serine-rich 12							4.5	4.5	-1.7	-1.7	-3.5	-3.5
SFRS2	splicing factor, arginine/serine-rich 2	-1.2		-1.6	-1.2	-1.2		-1.3	-1.3	-1.4	-1.4	-1.5	-1.5
SFRS2B	splicing factor, arginine/serine-rich 2B			1.3				-1.3	-1.3	-1.3	-1.3	1.5	1.3
SFRS2IP	splicing factor, arginine/serine-rich 2, interacting protein	1.3		1.6									
SFRS3	splicing factor, arginine/serine-rich 3			1.2		-1.3		-1.4	-1.4	-1.4	1.3	1.5	1.5
SFRS4	splicing factor, arginine/serine-rich 4							-2.1	-1.2	1.3		1.3	
SFRS5	splicing factor, arginine/serine-rich 5	1.2											
SFRS6	splicing factor, arginine/serine-rich 6			-1.7	-1.7			-3.6	-3.6			3.4	3.4
SFRS7	splicing factor, arginine/serine-rich 7, 35kDa			-1.6	-1.6			-1.8	-1.8	-1.5	-1.5	-1.9	-1.9
SFRS8	splicing factor, arginine/serine-rich 8 (suppressor-of-white-apricot homolog, Drosophila)	1.3				1.3				-1.3	-1.3		
SFRS9	splicing factor, arginine/serine-rich 9					-1.2		-2.7	-2.7	1.2	1.2	2.0	2.0
SGNE1	secretogranin V (7B2 protein)	1.3											
SGPL1	sphingosine-1-phosphate lyase 1	-1.6								-1.3	-1.3	1.3	
SGSH	N-sulfoglucosamine sulfohydrolase (sulfamidase)	1.8	1.8									2.1	2.1
SGTA	small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha												
SH2B	SH2B adaptor protein 1											1.8	1.8
SH2D1A	SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome)	-1.5		-1.3	-1.3	-1.5							
SH3BP1	SH3-domain binding protein 1			-1.2									
SH3BP5	SH3-domain binding protein 5 (BTK-associated)	-1.8	-1.8	-2.5	-2.5					2.6	2.6		
SH3GL1	SH3-domain GRB2-like 1			-1.4				1.4				-1.4	
SH3GLB1	SH3-domain GRB2-like endophilin B1							1.5	1.5	2.2	2.2	2.5	2.5
SHC1	SHC (Src homology 2 domain containing) transforming protein 1							-1.7	-1.7			1.3	
SHFM1	split hand/foot malformation (ectrodactyly) type 1	1.2						-1.8	-1.8			1.2	
SHMT1	serine hydroxymethyltransferase 1 (soluble)					-1.2		-1.5	-1.5	-1.8	-1.8	1.4	1.4
SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)							-2.3	-2.3	-1.8	-1.8	1.4	
SHOC2	soc-2 suppressor of clear homolog (C. elegans)												
SIAH1	seven in absentia homolog 1 (Drosophila)			-1.3		-1.3		-1.5	-1.5			2.7	1.5
SIAH2	seven in absentia homolog 2 (Drosophila)	-1.4	-1.4	-1.4	-1.4	-1.3							
SIAHBP1	fuse-binding protein-interacting repressor					-1.3				-1.2	-1.2	-1.4	-1.4
SIM2	single-minded homolog 2 (Drosophila)	1.3		1.3		1.3		2.4	2.4			-3.1	-3.1
SIP1	survival of motor neuron protein interacting protein 1					-1.9				-1.2		-1.5	-1.5
SIPA1	signal-induced proliferation-associated gene 1	1.2						-4.6	-4.6	-1.3		4.9	4.9
SIT	signaling threshold regulating transmembrane adaptor 1					-1.2		-18.5	-18.5				
SIVA	SIVA1, apoptosis-inducing factor	-1.4		-1.3		-1.3		-1.6	-1.6	-1.7	-1.7	-2.9	-2.9
SKI	v-ski sarcoma viral oncogene homolog (avian)					1.5		7.9	7.9			-5.0	-5.0
SKIIP	SNW domain containing 1											1.3	1.3
SKIP (C62)	skeletal muscle and kidney enriched inositol phosphatase					1.3		-1.7	-1.7	1.3		2.3	2.3
SKIV2L	superkiller viralicidal activity 2-like (S. cerevisiae)												
SKP1A	S-phase kinase-associated protein 1A (p19A)	-1.3				-1.4						-1.5	-1.5
SLA	Src-like-adaptor	2.8	2.8	3.1	3.1	3.1	3.1	2.1	2.1	4.4	4.4	10.8	10.8
SLBP	stem-loop (histone) binding protein					-1.7		-1.8	-1.8	-1.3	-1.3	-1.8	-1.8
SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	1.4		1.3				2.1	2.1	-2.1	-2.1	-2.1	-2.1
SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	1.3						-1.9	-1.9	-1.8	-1.8	1.9	1.9

SMARCD1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1									-1.9	-1.9	-1.3			1.7	1.7
SMARCD2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2									1.3	1.3	-1.2	-1.2			
SMARCE1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1									-2.2	-2.2				2.0	2.0
SMC1L1	structural maintenance of chromosomes 1A	1.4		-1.2						-2.2	-2.2	-1.2	-1.2			
SMC2L1	structural maintenance of chromosomes 2			1.3						-2.3	-2.3	1.3	1.3		-1.3	-1.3
SMC4L1	structural maintenance of chromosomes 4	1.7	1.7	1.9		1.7	1.7			-1.5	-1.5	2.0	1.4		6.8	6.8
SMC5L1	structural maintenance of chromosomes 5	1.2										1.2			-1.5	-1.5
SMG1	PI-3-kinase-related kinase SMG-1							-1.2		-1.8	-1.8	-1.2			1.8	1.8
SMN1	survival of motor neuron 1, telomeric	-1.6	-1.6	-1.4				-1.8				-1.2			-1.7	-1.7
SMNDC1	survival motor neuron domain containing 1							-1.2		1.6	1.6				-1.5	-1.5
SMOX	spermine oxidase							10.6		-1.4			2.1	2.1	2.7	2.7
SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	2.3	2.3	2.8	2.8	1.3										
SMPD2	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)															
SMPD4	sphingomyelin phosphodiesterase 4, neutral membrane (neutral sphingomyelinase-3)			-1.2				-1.2		-1.4	-1.4					
SMPDL3B	sphingomyelin phosphodiesterase, acid-like 3B														-43.6	-43.6
SMS	spermine synthase	1.2				-1.2						-1.4	-1.4			
SMTN	smoothelin	1.9	1.9										2.0	2.0		
SMURF2	SMAD specific E3 ubiquitin protein ligase 2	1.4								1.6	1.6	1.6	1.6		1.5	1.5
SMYD5	SMYD family member 5	-1.4		-1.8	-1.8	-1.3										
SNAP23	synaptosomal-associated protein, 23kDa	1.3		1.4											1.5	1.5
SNAPC1	small nuclear RNA activating complex, polypeptide 1, 43kDa	-1.4						-1.5		-1.3		-1.5	-1.5		-1.2	
SNAPC2	small nuclear RNA activating complex, polypeptide 2, 45kDa							1.5								
SNAPC3	small nuclear RNA activating complex, polypeptide 3, 50kDa							-1.3		-3.2	-3.2	1.3	1.3		3.3	3.3
SNAPC5	small nuclear RNA activating complex, polypeptide 5, 19kDa	1.4	1.4					-1.5	-1.5			-1.2			-1.7	-1.7
SND1	staphylococcal nuclease and tudor domain containing 1									-1.3	-1.3					
SNF1LK	SNF1-like kinase														2.5	2.5
SNF1LK2	SNF1-like kinase 2							1.7	1.7	-1.2						
SNRK	SNF related kinase	1.3		1.8	1.8	-1.2				1.2	1.2	1.3			1.3	
SNRP70	small nuclear ribonucleoprotein 70kDa polypeptide (RNP antigen)			-1.4	-1.4	-1.4						-1.5	-1.5		-1.4	-1.4
SNRPA	small nuclear ribonucleoprotein polypeptide A											-1.9	-1.9		-1.8	-1.8
SNRPA1	small nuclear ribonucleoprotein polypeptide A'	-1.3		-1.3	-1.3	-1.5				-1.4	-1.4	-1.4	-1.4		-2.4	-2.4
SNRPB	small nuclear ribonucleoprotein polypeptides B and B1			-1.2						-1.6	-1.6	-1.7	-1.7		-2.4	-2.4
SNRPB2	small nuclear ribonucleoprotein polypeptide B''			-1.3	-1.3	-1.3				-1.6	-1.6	-1.4			1.7	1.7
SNRPC	small nuclear ribonucleoprotein polypeptide C									-1.3	-1.3	-1.5	-1.5		-1.3	-1.3
SNRPD1	small nuclear ribonucleoprotein D1 polypeptide 16kDa	-1.4	-1.4	-3.0	-3.0					-1.9	-1.9	-1.7	-1.7		-2.0	-2.0
SNRPD2	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa									-1.2	-1.2	-1.2	-1.2			
SNRPD3	small nuclear ribonucleoprotein D3 polypeptide 18kDa									-1.6	-1.6				-1.4	-1.4
SNRPE	small nuclear ribonucleoprotein polypeptide E			-1.4				-1.2		-1.3	-1.3	-1.3	-1.3			
SNRPG	small nuclear ribonucleoprotein polypeptide G							-1.3							-1.8	-1.8
SNRPN	small nuclear ribonucleoprotein polypeptide N	1.3										1.2	-1.2		1.5	1.5
SNTA1	syntrophin, alpha 1 (dystrophin-associated protein A1, 59kDa, acidic component)	1.4		1.4	1.4											
SNTB2	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)	3.0	3.0	2.9	2.9	2.3	2.3			-5.9	-5.9	3.5	3.5		8.7	8.7
SNX1	sorting nexin 1									3.6	3.6	-1.4			-2.4	-2.4
SNX17	sorting nexin 17															
SNX19	sorting nexin 19			1.2											1.7	1.7
SNX2	sorting nexin 2			-1.3				-1.3		-1.6	-1.6	-1.4	-1.4		1.4	1.4
SNX3	sorting nexin 3									1.3	1.3	-1.5	-1.5			
SNX4	sorting nexin 4			1.6				-1.5	-1.5	-1.2	-1.2	1.6			1.3	1.3
SOCS1	suppressor of cytokine signaling 1	15.6	15.6	9.9	9.9	29.3	29.3			-1.6	-1.6	8.3	8.3		40.4	40.4
SOCS2	suppressor of cytokine signaling 2							2.8	2.8	-1.8	-1.8	2.8	2.8		4.7	4.7
SOCS5	suppressor of cytokine signaling 5									1.7	1.7	1.3	1.3			
SOCS6	suppressor of cytokine signaling 6			-1.3				-1.9		1.3	1.3	1.9	1.9			
SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))			-1.2											-1.6	-1.6
SON	SON DNA binding protein			1.5				-1.3		1.2		1.7	1.7			
SORD	sorbitol dehydrogenase	-1.4		-1.8	-1.8	-1.5				-1.3	-1.3	-1.6	-1.6		-2.9	-2.9
SOSTDC1	sclerostin domain containing 1	-1.8		-1.9	-1.9											
SOX4	SRY (sex determining region Y)-box 4	-1.2						-1.9		-5.7	-5.7	-1.5	-1.3		3.0	3.0
SP100	SP100 nuclear antigen			1.4						-1.9	-1.7	2.3	2.3		6.4	6.4

SUMO2	SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae)							3.0	3.0	1.4		-3.1	-3.1
SUMO3	SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae)							-1.3		-1.3	-1.3	-1.4	-1.4
SUMO4	SMT3 suppressor of mif two 3 homolog 4 (S. cerevisiae)												
SUPT3H	suppressor of Ty 3 homolog (S. cerevisiae)	1.3						-6.4	-6.4			10.6	10.6
SUPT4H1	suppressor of Ty 4 homolog 1 (S. cerevisiae)							-1.7	-1.7	1.6	1.6	2.0	2.0
SUPT5H	suppressor of Ty 5 homolog (S. cerevisiae)				1.2								
SUPT6H	suppressor of Ty 6 homolog (S. cerevisiae)							1.8	1.8	1.5		1.8	-1.5
SURB7	SRB7 suppressor of RNA polymerase B homolog (yeast)		1.6	1.6	-1.3			1.3				-1.4	-1.4
SURF1	surfeit 1												
SURF5	surfeit 5	-1.2						-1.4	-1.4				
SUZ12	suppressor of zeste 12 homolog (Drosophila)					-1.3				-1.3		-1.8	-1.8
SV2A	synaptic vesicle glycoprotein 2A	1.7	1.7	1.8	1.8	1.4	1.4	10.1	10.1	1.9	1.9	-14.8	-14.8
SWAP70	SWAP-70 protein	1.3	1.3	1.4				-1.3	-1.3	1.4	1.4	1.6	1.6
SYBL1	synaptobrevin-like 1									1.3	1.3	1.2	1.2
SYCP1	synaptonemal complex protein 1					2.9	2.9						1.5
SYMPK	symplekin										-1.7	-1.7	-1.5
SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein	-1.3		-1.5	-1.5	-1.4	-1.4	-1.7	-1.7	-1.6	-1.6	-1.9	-1.9
SYNE1	spectrin repeat containing, nuclear envelope 1					1.2							
SYNE2	spectrin repeat containing, nuclear envelope 2	1.5	1.5			-1.5		-10.7	-10.7	6.9	6.9	38.9	38.9
SYNGR2	synaptogyrin 2							1.9	1.9			-2.4	-2.4
SYNJ1	synaptojanin 1	1.5		1.8				-1.3		1.2			
SYNJ2	synaptojanin 2	1.9	1.9	2.4	2.4	1.5		-13.7	-13.7			48.6	48.6
SYNPO	synaptopodin	1.2				1.9							
SYPL	synaptophysin-like 1							1.3				-1.9	-1.9
SYT1	synaptotagmin I	1.7						-16.7	-16.7	-1.5	-1.5	12.7	12.7
T	T, brachyury homolog (mouse)	1.2		1.5		1.6							
TACC1	transforming, acidic coiled-coil containing protein 1							2.5	2.5	1.6		1.7	1.7
TADA3L	transcriptional adaptor 3 (NGG1 homolog, yeast)-like			1.4	1.4							1.3	1.3
TAF1	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa			1.7				1.9	1.9	1.2		-1.4	-1.4
TAF10	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30kDa							-1.4	-1.4			1.4	1.4
TAF11	TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 28kDa	1.3		1.8	1.8					1.2	1.2	-1.2	-1.2
TAF12	TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 20kDa			-1.2		-1.3							
TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa							1.6	1.6	-1.4	-1.4	-1.7	-1.7
TAF1A	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa					-1.4		-2.1	-2.1	-1.8	-1.8		
TAF1C	TATA box binding protein (TBP)-associated factor, RNA polymerase I, C, 110kDa							1.8	1.8			-1.6	-1.6
TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa							-1.3	-1.3	-1.7		1.6	1.6
TAF4	TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135kDa			1.3		1.2						-1.2	
TAF4B	TAF4b RNA polymerase II, TATA box binding protein (TBP)-associated factor, 105kDa							-1.3	-1.3			-2.3	-2.3
TAF5	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 100kDa									-1.4	-1.4	-1.7	-1.7
TAF5L	TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa			-1.3				-1.4					
TAF6	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 80kDa							-1.4				1.4	
TAF6L	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa			-1.2		1.3						-1.4	
TAF7	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa			1.5	1.5							1.3	1.3
TAF9	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa			-1.3				2.2	2.2			-3.2	-3.2
TAGLN2	transgelin 2	-1.4	-1.4	-2.0	-2.0	-1.3		-3.0	-3.0			-1.3	
TAGLN3	transgelin 3	1.3											
TAL1	T-cell acute lymphocytic leukemia 1	1.6	1.6					1.7	1.7			-2.3	-2.3
TALDO1	transaldolase 1							1.8	1.8	1.4		-1.7	-1.7
TANK	TRAF family member-associated NFKB activator							2.1	2.1	1.4	1.4	-1.3	-1.3
TAOK3	TAO kinase 3	1.3						2.3	2.3	-1.4	-1.4	-2.9	-2.9
TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)			1.6	1.6	1.7					1.9	1.9	
TAPBP	TAP binding protein (tapasin)							-1.8	-1.8	-1.3	-1.3	1.2	1.2
TARBP1	Tar (HIV-1) RNA binding protein 1	-1.6	-1.6	-1.6	-1.6	-1.8	-1.8	1.3		-1.3		-3.5	-3.5
TARBP2	Tar (HIV-1) RNA binding protein 2			-1.5						-1.4	-1.4		
TARDBP	TAR DNA binding protein			-1.2	-1.2	-1.3		1.9	1.9	-1.5	-1.2	-1.3	-1.3
TARS	threonyl-tRNA synthetase			-1.5	-1.5	-1.6	-1.6	1.4		-1.9	-1.9	-1.8	-1.8
TAX1BP1	Tax1 (human T-cell leukemia virus type I) binding protein 1	1.5	1.5	1.7	1.7			4.5	4.5	1.4	1.4	-2.6	-2.6
TAX1BP3	Tax1 (human T-cell leukemia virus type I) binding protein 3	1.6		1.5	1.5	1.4		-2.1	-2.1	3.3	3.3	4.2	4.2

TRIM37	tripartite motif-containing 37				-1.2			-1.3		1.8	1.8	-1.3	-1.3	-14.1	-14.1
TRIM44	tripartite motif-containing 44	-1.3						-1.3		-1.2					
TRIM9	tripartite motif-containing 9											1.7	1.7		
TRIP	TRAF interacting protein														
TRIP12	thyroid hormone receptor interactor 12	1.4			1.5	1.5				1.6	1.6	1.5	1.5	2.3	2.3
TRIP13	thyroid hormone receptor interactor 13	-1.5	-1.5	-1.4	-1.4	-1.6	-1.6	1.2						-2.4	-2.4
TROAP	trophinin associated protein (tastin)	1.5	1.5												
TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein														
TRRAP	transformation/transcription domain-associated protein									-1.7	-1.7			2.1	2.1
TSC1	tuberous sclerosis 1	1.5	1.5									1.2			
TSC2	tuberous sclerosis 2									-1.8	-1.8	1.5	1.5	6.8	6.8
TSC22D1	TSC22 domain family, member 1	1.3								2.0	2.0	2.9	2.9	-2.4	-2.4
TSC22D3	TSC22 domain family, member 3	33.1	33.1	74.0	74.0	20.4	20.4	5.2	5.2	17.5	17.5	20.0	20.0	20.0	20.0
TSC22D4	TSC22 domain family, member 4											1.4		2.8	2.8
TSMF	Ts translation elongation factor, mitochondrial	-1.5	-1.5	-1.4	-1.4	-1.6	-1.6	-1.2	-1.2	-2.5	-2.5	-2.5	-2.5	-1.6	-1.6
TSG101	tumor susceptibility gene 101							-1.2						1.6	1.6
TSHR	thyroid stimulating hormone receptor							-4.1	-4.1						
TSN	translin											-1.3	-1.3	-1.4	-1.4
TSNAX	translin-associated factor X	2.1	2.1	2.6	2.6	2.2	2.2	1.2	1.2	1.9	1.9	1.9	1.9	2.0	2.0
TSPAN5	tetraspanin 5	2.1	2.1	1.9	1.9			3.2	3.2					-1.5	
TSPYL2	TSPY-like 2	1.3		1.6	1.6	2.4	2.4								
TSR1	TSR1, 20S rRNA accumulation, homolog (S. cerevisiae)	-2.0	-2.0	-1.6		-2.0	-2.0	-2.0	-2.0	-2.4	-2.4	-2.4	-2.4	-1.8	-1.8
TSTA3	tissue specific transplantation antigen P35B						1.3					1.6	1.6	-1.3	
TTC1	tetratricopeptide repeat domain 1														
TTC3	tetratricopeptide repeat domain 3	-1.4		-1.2		-1.2		2.3	2.3	-1.6	-1.6	-1.6	-1.6	-5.1	-5.1
TTF1	transcription termination factor, RNA polymerase I			1.6				-2.7	-2.7	-1.3	-1.3	-1.3	-1.3	1.8	1.8
TTF2	transcription termination factor, RNA polymerase II			-1.4	-1.4	-1.2		-1.2	-1.2					1.2	
TTK	TTK protein kinase			-1.4		-1.2						1.3	1.3		
TLL12	tubulin tyrosine ligase-like family, member 12	-1.4	-1.4	-1.4	-1.4	-1.3				-2.7	-2.7	-2.7	-2.7	-4.9	-4.9
TTN	titin											-1.4	-1.4	-8.8	-8.8
TTRAP	TRAF and TNF receptor associated protein			1.3											
TUB	tubby homolog (mouse)														
TUBA1	tubulin, alpha 1	10.4	10.4	8.9	8.9	3.0	3.0	-4.4	-4.4	2.1	2.1	2.1	2.1	13.5	13.5
TUBA2	tubulin, alpha 2	1.2		1.3	1.3	3.6	3.6	-1.4							
TUBA3	tubulin, alpha 3					-1.6	-1.6	-10.6	-10.6	1.7	1.7	1.7	1.7	15.1	15.1
TUBB	tubulin, beta	-1.4				1.3		-1.6	-1.6						
TUBB2A	tubulin, beta 2A					-1.4		-25.5	-25.5	3.2	3.2	3.2	3.2	54.6	54.6
TUBB2B	tubulin, beta 2B			-1.3				-1.2		1.8				1.3	
TUBB2C	tubulin, beta 2C							-1.3	-1.3	1.4	1.4	1.4	1.4		
TUBB3	tubulin, beta 3							-1.8	-1.8						
TUBG1	tubulin, gamma 1					-1.4	-1.4							-3.2	-3.2
TUBGCP2	tubulin, gamma complex associated protein 2					1.6	-1.4			-1.3	-1.3	-1.3	-1.3	-1.5	-1.5
TUBGCP3	tubulin, gamma complex associated protein 3							-1.4	-1.4	-1.3	-1.3	-1.3	-1.3	-1.7	-1.7
TUFM	Tu translation elongation factor, mitochondrial	-1.2		-1.4	-1.4	-1.3	-1.3	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5		
TUSC3	tumor suppressor candidate 3			-1.9											
TWF1	twinfilin, actin-binding protein, homolog 1 (Drosophila)														
TXK	TXK tyrosine kinase					1.6									
TXLNA	taxilin alpha	-1.3		-1.4	-1.4			1.2	1.2					-2.0	-2.0
TXN	thioredoxin			1.6	1.6	1.7	1.7	1.8	1.8	1.3	1.3	1.3	1.3	-1.5	-1.5
TXN2	thioredoxin 2	-1.3						-1.4	-1.4					-1.3	
TXNDC1	thioredoxin domain containing 1			-1.3								-1.6	-1.6	-2.0	-2.0
TXNDC9	thioredoxin domain containing 9					-1.3		1.5	1.5					-1.2	-1.2
TXNIP	thioredoxin interacting protein	2.8	2.8	3.4	3.4	3.7	3.7	10.0	10.0	7.7	7.7	7.7	7.7	2.1	2.1
TXNL1	thioredoxin-like 1			-1.2		-1.4		1.3	1.3	-2.1	-2.1	-2.1	-2.1	-1.4	-1.4
TXNRD1	thioredoxin reductase 1	-1.3		-1.4	-1.4	-1.4	-1.4	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3		
TYK2	tyrosine kinase 2	1.4				1.2									
TYMS	thymidylate synthetase							2.1	2.1	-1.2	-1.2	-1.2	-1.2	-4.8	-4.8
TYRO3	TYRO3 protein tyrosine kinase	-1.2	-1.2			-1.7	-1.7	-1.9	-1.9					1.8	

UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)						-1.2		2.4	2.4	1.6	1.6	-6.2	-6.2
USF2	upstream transcription factor 2, c-fos interacting								-1.5	-1.5			1.6	1.6
USP1	ubiquitin specific peptidase 1						-1.4	-1.4	-1.5	-1.5				
USP10	ubiquitin specific peptidase 10			-1.5			-1.7				-1.7	-1.7	-1.6	-1.6
USP11	ubiquitin specific peptidase 11						1.3		-1.6	-1.6	1.3	1.3	1.4	1.4
USP12	ubiquitin specific peptidase 12								-2.0	-2.0	2.3	2.3	3.7	3.7
USP14	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)			-1.4	-1.4				1.3	1.3	-1.3	-1.3	-1.7	-1.7
USP19	ubiquitin specific peptidase 19													
USP20	ubiquitin specific peptidase 20	1.5	1.5	1.3	1.3		2.1	2.1						
USP22	ubiquitin specific peptidase 22						1.4		-2.6	-2.6			2.7	2.7
USP24	ubiquitin specific peptidase 24								1.4	1.4	1.3	1.3	-1.3	-1.3
USP32	ubiquitin specific peptidase 32								3.1	3.1	1.3		-2.2	-2.2
USP33	ubiquitin specific peptidase 33			1.3					1.5	1.5	1.3	1.3		
USP34	ubiquitin specific peptidase 34			1.4					-1.3	1.3	1.8	1.8	2.6	2.6
USP4	ubiquitin specific peptidase 4 (proto-oncogene)			1.3					-1.7	-1.7	1.3	1.3	2.4	2.4
USP46	ubiquitin specific peptidase 46	-1.3		-1.4					3.5	3.5	1.5		-3.0	-3.0
USP5	ubiquitin specific peptidase 5 (isopeptidase T)													
USP52	ubiquitin specific peptidase 52	1.4		1.4	1.4						1.4		1.5	1.5
USP6	ubiquitin specific peptidase 6 (Tre-2 oncogene)								1.4	1.4	-1.3	-1.3		
USP6NL	USP6 N-terminal like						1.5	1.5			2.1	2.1	1.4	
USP7	ubiquitin specific peptidase 7 (herpes virus-associated)								-3.0	-3.0			2.6	2.6
USP8	ubiquitin specific peptidase 8			1.3							1.5	1.5	1.5	1.5
USP9X	ubiquitin specific peptidase 9, X-linked			1.5			3.4				1.4	1.4	1.3	1.3
UTRN	utrophin	1.7		2.9	2.9		2.5		-1.4	-1.4	1.6	1.6	2.0	2.0
UTX	ubiquitously transcribed tetratricopeptide repeat, X chromosome						-1.3		-1.6	-1.6	1.4	1.4	2.9	2.9
UVRAG	UV radiation resistance associated gene			1.4	1.4		1.5	1.5	1.6	1.6	-1.3			
VAMP1	vesicle-associated membrane protein 1 (synaptobrevin 1)	1.3									1.3	1.3	2.1	2.1
VAMP2	vesicle-associated membrane protein 2 (synaptobrevin 2)	1.3							-4.2	-4.2	-1.3	-1.3	4.9	4.9
VAMP3	vesicle-associated membrane protein 3 (cellubrevin)			1.5					1.3	1.3	1.3	1.3	1.5	1.5
VAMP4	vesicle-associated membrane protein 4	1.4					-1.4		-2.6	-2.6	1.3		2.7	2.7
VAMP8	vesicle-associated membrane protein 8 (endobrevin)	-1.3		-1.3	-1.3		-1.2		2.0	2.0			-4.1	-4.1
VAPA	VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa						-1.3		1.7	1.3	-1.4		-2.9	-1.7
VAPB	VAMP (vesicle-associated membrane protein)-associated protein B and C								1.4		1.2		-1.9	-1.9
VARS	valyl-tRNA synthetase	-1.5		-1.3			-1.3		-1.3		-2.1	-2.1	-2.1	-2.1
VASP	vasodilator-stimulated phosphoprotein	1.3							1.8	1.8	-1.3	-1.3	-1.6	-1.6
VAV1	vav 1 oncogene			-1.3									-1.2	-1.2
VBP1	von Hippel-Lindau binding protein 1			-1.3	-1.3		-1.3						1.2	
VCL	vinculin	1.8		1.6	1.6		1.9	1.9	1.9	1.9	-1.5	-1.5	-1.9	-1.9
VCP	valosin-containing protein	-1.4							1.3	1.3	-1.3	-1.3	-1.4	-1.4
VDAC1	voltage-dependent anion channel 1	-1.6	-1.6	-1.5	-1.5		-1.7	-1.7	1.6	1.6			-3.1	-3.1
VDAC2	voltage-dependent anion channel 2	-1.3		-1.4	-1.4		-1.5	-1.5	1.9	1.9			-2.1	-2.1
VDAC3	voltage-dependent anion channel 3						-1.3		1.8	1.8			-1.9	-1.9
VDP	vesicle docking protein p115								2.0	2.0	1.6		-1.6	-1.6
VEGF	vascular endothelial growth factor A	-1.5	-1.5	-1.6	-1.6				8.2	8.2	-2.4	-2.4	-13.8	-13.8
VEGFB	vascular endothelial growth factor B	-1.5		-2.3	-2.3				-2.5	-2.5	-1.5		1.6	
VGLL4	vestigial like 4 (Drosophila)								1.4	1.3			-1.2	
VHL	von Hippel-Lindau tumor suppressor			1.8										
VIL2	villin 2 (ezrin)						-1.2		-2.2	-2.2	2.4	2.4	9.8	9.8
VIM	vimentin			-1.2					-275.9	-275.9	1.2	1.2	360.4	360.4
VKORC1	vitamin K epoxide reductase complex, subunit 1	1.4												
VLDLR	very low density lipoprotein receptor	-2.2		-1.4	-1.4				-4.7	-4.7	-1.2	-1.2	2.6	2.6
VPS11	vacuolar protein sorting 11 homolog (S. cerevisiae)			1.2			1.2		1.6	1.6	-1.2			
VPS13A	vacuolar protein sorting 13 homolog A (S. cerevisiae)			-1.9			-1.3	-1.3	3.7	3.7	-1.4		-2.8	-2.8
VPS26	vacuolar protein sorting 26 homolog A (yeast)	1.3					1.2		1.5	1.5	1.3	1.3		
VPS45A	vacuolar protein sorting 45 homolog (S. cerevisiae)	1.2							1.4				-1.3	
VPS4B	vacuolar protein sorting 4 homolog B (S. cerevisiae)						-1.4						1.3	1.3
VPS52	vacuolar protein sorting 52 homolog (S. cerevisiae)												1.3	1.3
VRK1	vaccinia related kinase 1					-1.2	-1.2						-1.7	-1.7

ZBTB11	zinc finger and BTB domain containing 11										-1.3	-1.3	-1.6	-1.6
ZBTB16	zinc finger and BTB domain containing 16					7.0			5.9	5.9	2.8	2.8	8.3	8.3
ZBTB17	zinc finger and BTB domain containing 17												1.3	
ZBTB33	zinc finger and BTB domain containing 33			2.0										
ZBTB5	zinc finger and BTB domain containing 5	-1.2											-1.4	-1.4
ZC3H13	zinc finger CCCH-type containing 13													
ZC3HAV1	zinc finger CCCH-type, antiviral 1								-1.7	-1.7	1.4	1.4	2.6	2.6
ZDHHHC17	zinc finger, DHHC-type containing 17										1.3		1.2	1.2
ZFP161	zinc finger protein 161 homolog (mouse)													
ZFP36	zinc finger protein 36, C3H type, homolog (mouse)			1.7	1.7	1.5			-1.3		3.2	3.2	4.1	4.1
ZFP36L1	zinc finger protein 36, C3H type-like 1			-1.4					-24.5	-24.5			11.5	11.5
ZFP36L2	zinc finger protein 36, C3H type-like 2	3.0	3.0	2.5	2.5	2.5	2.5	2.2	2.2	1.8	1.8			
ZFX	zinc finger protein, X-linked	1.8		1.3		1.3			-1.6	-1.6	1.4		2.8	1.7
ZFYVE16	zinc finger, FYVE domain containing 16								1.6		1.6	1.6	2.7	2.7
ZHX2	zinc fingers and homeoboxes 2	2.6		2.4	2.4				-5.1	-5.1	1.8	1.3	6.9	6.9
ZHX3	zinc fingers and homeoboxes 3	1.3		1.4	1.4	1.3			2.0	2.0	2.0	2.0	1.4	
ZMPSTE24	zinc metalloproteinase (STE24 homolog, yeast)			-1.4					1.4	1.4			-1.8	-1.8
ZMYM3	zinc finger, MYM-type 3								1.6		-1.3		-1.8	-1.8
ZMYND11	zinc finger, MYND domain containing 11	-1.4		1.5					2.6	2.6	1.5	1.3		
ZNF124	zinc finger protein 124								1.3		-1.4	-1.4	-1.7	-1.7
ZNF133	zinc finger protein 133						1.2						1.3	
ZNF143	zinc finger protein 143						-1.3		-1.4	-1.4				
ZNF148	zinc finger protein 148	1.3	1.3	1.2			-1.7		1.8	1.8	1.8	1.8	-1.6	-1.6
ZNF160	zinc finger protein 160								-1.7	-1.7	1.6	1.5	1.6	1.6
ZNF161	vascular endothelial zinc finger 1	1.3		1.2					-1.9	-1.9	1.4		2.2	2.2
ZNF175	zinc finger protein 175	1.2							2.9	2.9			-2.6	-2.6
ZNF183	--			1.2			-1.3		1.4	1.4	-2.0		-1.5	-1.5
ZNF198	zinc finger, MYM-type 2								4.3	4.3	1.3	-1.3	-2.5	-2.5
ZNF202	zinc finger protein 202	1.2		-2.1					-1.4	-1.4	-1.8	-1.8		
ZNF207	zinc finger protein 207								2.4	2.4	-1.4	-1.4		
ZNF212	zinc finger protein 212								-1.2		1.3			
ZNF217	zinc finger protein 217												1.3	1.3
ZNF22	zinc finger protein 22 (KOX 15)	-1.3					-1.4		-1.3	-1.3			1.3	1.3
ZNF238	zinc finger protein 238	-1.4		2.1			-1.3		-5.5	-5.5			6.3	6.3
ZNF24	zinc finger protein 24	-1.3		1.5							-1.5	-1.2	1.3	
ZNF259	zinc finger protein 259	-1.4	-1.4	-1.5			-1.8	-1.8	-1.2	-1.2	-1.3		-1.6	-1.6
ZNF263	zinc finger protein 263	-1.2		-1.3			-1.6		-1.7	-1.7	-1.7	-1.7	1.8	1.8
ZNF267	zinc finger protein 267			1.3					1.9	1.9			-1.9	-1.9
ZNF268	zinc finger protein 268								-1.2		-1.4		-1.8	-1.8
ZNF274	zinc finger protein 274	-1.6							1.8				-1.5	-1.5
ZNF278	POZ (BTB) and AT hook containing zinc finger 1	1.8	1.5	1.7	1.7	1.3			1.4		-1.4	-1.4	1.3	
ZNF291	zinc finger protein 291								1.4	1.4	1.6	1.6	2.1	2.1
ZNF318	zinc finger protein 318			1.3	1.3				2.3	2.3	1.3	1.3		
ZNF330	zinc finger protein 330			-1.5			-1.6	-1.6					-1.8	-1.8
ZNF354A	zinc finger protein 354A								2.6	2.6	1.2		-1.5	
ZNF364	zinc finger protein 364	1.2				1.2			1.3	1.3	1.8	1.8	3.0	3.0
ZNF384	zinc finger protein 384			1.2					-1.6	-1.6	-1.6	-1.6	1.4	
ZNF410	zinc finger protein 410	1.2	1.2								1.3			
ZNF42	myeloid zinc finger 1					1.2					-1.4	-1.4	-1.2	
ZNF423	zinc finger protein 423						-2.4		-3.6	-3.6	-2.2	-2.2	5.6	5.6
ZNF43	zinc finger protein 43								-1.4				1.6	
ZNF45	zinc finger protein 45	1.2		1.4										
ZNF451	zinc finger protein 451								2.5	2.5			-1.6	-1.6
ZNF592	zinc finger protein 592					1.2			-1.7	-1.7	-1.3	1.3	1.5	1.4
ZNF638	zinc finger protein 638	1.3							-1.3		1.3		1.4	
ZNF84	zinc finger protein 84								-1.2				-1.4	-1.4
ZNF9	CCHC-type zinc finger, nucleic acid binding protein	-1.5		-1.9	-1.9	-1.6					-1.4	-1.4	-1.5	-1.5
ZNF91	zinc finger protein 91	1.3		1.4	1.4				-2.2	-2.2	1.2		2.2	2.2

ZNF96	zinc finger protein 96						1.2					-1.9	-1.9
ZNFN1A1	IKAROS family zinc finger 1 (Ikaros)		2.0	2.0			2.2	2.2	1.6	1.3		2.2	2.2
ZNHIT3	zinc finger, HIT type 3				-1.4								
ZRF1	zuotin related factor 1	-1.6		-1.2		-1.6		1.4	1.4	-2.3	-1.5	-2.9	-2.9
ZRSR2	zinc finger (CCCH type), RNA-binding motif and serine/arginine rich 2						-1.3					1.8	1.8
ZUBR1	zinc finger, UBR1 type 1						2.0	2.0				-1.9	-1.9
ZW10	ZW10, kinetochore associated, homolog (Drosophila)	1.4							-1.4	-1.4		-1.3	
ZWINT	ZW10 interactor								-1.3	-1.3		-2.3	-2.3
ZWINTAS	ZW10 interactor antisense	1.2				1.5							