

TNF\_induced genes, fat tissue, 1 day infusion

Description	Accession	Fold
<b>Apoptosis</b>		
bax (apoptosis inducer)	S76511	1.6
nuclear oncoprotein p53	X13058	2.1
<b>Blood Coagulation</b>		
plasminogen activator receptor 2 (urokinase receptor)	X71898	1.9
<b>Cell Adhesion</b>		
Ninjurin	U72660	1.8
Vascular cell adhesion molecule 1	X63722	2.3
tenascin	U09361	3.1
intercellular adhesion molecule-1	D00913	2.3
<b>Cell Motility</b>		
bithoraxoid-like protein (dynein light chain)	AF073839	1.6
moesin (membrane-organizing extension spike protein)	AF004811	2.8
<b>Cell Signaling</b>		
acid phosphatase	AI234950	1.6
beta-adrenergic receptor kinase	S48813	1.6
beta-arrestin2	M91590	1.8
brain sigma receptor	AF004218	1.6
C5a receptor	AB003042	2.3
calmodulin (pRCM1)	X13933	1.5
CD14	AF087943	1.9
coronin-like protein	AJ006064	1.5
cyclase-associated protein homologue (MCH1, CAP)	L11930	2
epithelial cell transmembrane protein antigen precursor (RTI40)	U92081	2
FK506-binding protein 1 (12kD)	AI228738	1.5
G alpha interacting protein (GAIP)	AF068136	1.7
G protein alpha 12 subunit	S50461	1.5
G protein coupled receptor	D38450	1.5
inositol polyphosphate 5' phosphatase Ship (SHIP)	U55192	1.6
lyn A protein tyrosine kinase	L14782	2.6
NMDA receptor	S39221	2
P2x4 ATP receptor	U47031	1.5
phosphodiesterase I	D30649	2
phospholipase A2	U38376	1.6
phospholipase A2 precursor	X51529	2.6
platelet-activating factor receptor	U04740	1.7
Protein 9 Ka homologous to calcium-binding protein	X06916	1.7
protein-tyrosine phosphatase (SHP-1)	U77038	1.7
RAB8 mRNA	M83675	1.8
S100 calcium binding protein A9 (MRP14)	L18948	7
S6 protein kinase (Rsk-1)	M99169	1.6
Spleen tyrosine kinase	U21683	1.8
tyrosine kinase (hck)	S74141	3.3
protein kinase C delta	M18330	2

<b>Cell Stress</b>		
Hsp70/Hsp90 organizing protein	Y15068	1.5
stress-associated endoplasmic reticulum protein 1 (SERP1)	AF100470	1.6
superoxide dismutase, manganese-containing (MnSoD)	Y00497	2.4
<b>Cell Structure and Cytoskeleton</b>		
class I beta-tubulin	AB011679	1.7
cofilin	AI105348	1.5
desmin	X73524	5.5
nonmuscle myosin heavy chain-A	U15764	1.7
p41-Arc (activity regulated cytoskeletal-associated protein)	AF083269	1.9
slow-twitch alpha tropomyosin/hTMnm homolog	S82383	1.6
Tropomyosin 4	J02780	1.7
<b>Nuclear Chaperone</b>		
Nucleoplasmin-related protein (Nuclear protein B23)	J04943	1.6
<b>Chemokine</b>		
glycoprotein 55 (stromal cell derived factor receptor 1)	X99337	1.6
<b>Cytokine and Receptors</b>		
transforming growth factor-beta 1.	X52498	2.9
interferon gamma receptor	U68272	1.6
interleukin-3 receptor beta-subunit	S79263	1.5
interleukin 2 receptor beta chain	M55050	2.3
interleukin 1 receptor type 2	Z22812	4.3
<b>Cytokine Synthesis</b>		
interleukin-1 beta converting enzyme (IL1BCE)	U14647	1.8
TNF-alpha converting enzyme (TACE)	AJ012603	1.7
<b>DNA Synthesis</b>		
CDC46 protein (EST similar to)	AA859768	1.9
CDC47 (EST similar to)	AA858636	1.6
DNA polymerase alpha subunit II	AJ011606	1.6
DNA polymerase alpha subunit IV (primase)	AJ011608	1.7
DNA topoisomerase II	AI639012	1.6
intestinal DNA replication protein mRNA	U17565	1.7
<b>Immune Response</b>		
class III Fc-gamma receptor	M32062	2.3
complement component C3 mRNA	M29866	3.5
leukocyte common antigen (L-CA)	M10072	2.4
Ly6-C antigen	M30691	1.8
Lysozyme	AA892775	1.7
macrophage migration inhibitory factor (Mif)	AI009801	1.7
MHC class I antigen gene (RT1-u haplotype)	M64795	1.5
MHC class I truncated cell surface antigen	M10094	1.7
MHC class Ib antigen (RT1.CI) gene	AF025308	1.5
MHC class Ib antigen RT1.M5 gene (RT1.M5-1 allele)	AF055667	1.5
MHC class Ib RT1	U16025	1.6
MHC class Ib RT1.S3 (RT1.S3) gene	AF029240	1.7
monocyte differentiation antigen CD14	AF087944	1.9

ryudocan (heparan sulfate proteoglycan core protein)	S61868	1.6
DORA protein	AJ223184	4.5
Mx1 protein (myxovirus resistance protein 1)	X52711	1.8
CD 53 (leukocyte antigen OX44)	M57276	2.2
<b>Inflammatory Response</b>		
prostacyclin synthase (ratpgis)	U53855	1.5
surface protein MCA-32 (MCA-32)	U39546	2
five-lipoxygenase activating protein (FLAP)	X52196	1.7
<b>Lysosomal Membrane Protein</b>		
sialoglycoprotein of 85kDa (LGP85); collagen type I receptor	D10587	1.5
<b>Metabolism</b>		
<b>Glucose Metabolism</b>		
phosphofruktokinase	X58865	1.8
aldolase A	U20643	1.8
phosphoglycerate kinase	M31788	1.6
phosphoglycerate mutase type B subunit	S63233	1.5
enolase	X02610	1.5
glucose-6-phosphate dehydrogenase	X07467	1.4
Pyruvate kinase, muscle	AA818951	1.6
glycogenin	L01793	1.8
<b>Fatty Acid and Lipid Metabolism</b>		
fatty acid-binding protein (c-FABP)	S69874	1.6
acyl-CoA hydrolase	D88890	1.4
acyl-CoA synthetase 5 (ACS 5)	AB012933	1.4
carnitine palmitoyltransferase I	L07736	1.4
lysosomal acid lipase (intracellular hydrolase)	S81497	1.7
phosphatidate phosphohydrolase type 2	AI230354	2.2
myo-inositol monophosphatase 2 (EST similar to)	AA859981	1.6
phosphatidylinositol transfer protein	M25758	1.5
<b>Amino Acid Metabolism</b>		
argininosuccinate lyase	D13978	1.9
argininosuccinate synthetase	X12459	3
arylamine N-acetyltransferase	U01347	2.2
homocysteine respondent protein HCYP2	AF036537	1.9
iodothyronine 5'-monodeiodinase (5'-MD)	M21476	1.6
Catecholamine-O-methyltransferase	M60753	2.9
cathechol-O-methyltransferase	M93257	2.1
<b>Cholesterol Metabolism</b>		
3-hydroxy 3-methylglutaryl coenzyme A synthase (EC 4.1.3.5)	X52625	1.6
farnesyl diphosphate synthase	M89945	2
farnesyl pyrophosphate synthetase	AI180442	1.8
lanosterol 14-alpha-demethylase	AA963449	1.9
steroidogenic acute regulatory protein	AB001349	2.6
<b>Nucleotide Metabolism</b>		
2',3'-cyclic nucleotide 3'-phosphodiesterase (CNPII) mRNA	L16532	1.8
5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase	D89514	1.6

ADP-ribosylarginine hydrolase	M86341	1.5
ATP synthase subunit c	D13123	1.5
GTP cyclohydrolase I (EST similar to)	AA859496	1.6
GTP cyclohydrolase I feedback regulatory protein	U85512	1.5
guanosine-3-phosphate binding protein (low molecular weight)	E03859	1.6
nucleoside diphosphate kinase beta isoform	AI233173	1.6
<b>Hemoglobin Metabolism</b>		
alpha-2u globulin-related protein	AA946503	2.2
UDP glucuronosyltransferase	D38062	1.5
<b>Other</b>		
Metallothionein	M11794	1.9
Retinol-binding protein 1	M19257	2.6
<b>Mitochondrial Function</b>		
cytochrome b558 alpha-subunit	U18729	3
cytochrome P-450 isozyme 5 (P450 IVB2)	M29853	3.9
Cytochrome P450 1b1	U09540	10.3
<b>mRNA processing</b>		
polypyrimidine tract binding protein (TBF II)	X74565	1.5
nuclear import/export protein		
Importin beta	L38644	1.8
major vault protein	U09870	1.6
<b>Other</b>		
growth and transformation-dependent protein	M17412	1.8
hypertension-related mRNA	U57050	1.5
isoprenylated 67 kDa protein	M80367	3.6
liver mRNA	U96490	1.7
p34 protein	D13623	1.5
acidic membrane protein of rat brain (NAP-22)	D14441	1.5
<b>Protein Degradation</b>		
metalloendopeptidase	M61142	1.6
serine proteinase inhibitor	AA875037	2.4
Zn-peptidase aminopeptidase N	M25073	2
cathepsin C (dipeptidyl-peptidase I)	D90404	2
proteasomal ATPase (Tat-binding protein7)	D50695	1.5
proteasome activator rPA28 subunit beta	D45250	1.9
proteasome subunit R-DELTA	D10754	1.6
proteasome subunit R-IOTA	D10755	1.5
proteasome subunit R-RING12	D10757	2.3
proteasome subunit R-ZETA	D10756	1.6
proteasome subunit RC1.	D10729	1.9
proteasome subunit RC6-1,	D30804	1.6
proteasome subunit RC8	D90258	1.6
Cystatin beta	AI008888	2
<b>Protein Folding</b>		
Protein disulfide isomerase (Prolyl 4-hydroxylase, beta polypeptide)	X02918	1.5
t-complex protein (Tcp-1x) (EST similar to)	AA859980	1.8

t-complex testis expressed 1	AB010119	1.9
<b>Protein Glycosylation</b>		
alpha 1,2-fucosyltransferase	AB015637	1.8
UDP-Gal:glucosylceramide beta-1,4-galactosyltransferase	AF048687	1.5
UDP-galactose transporter related isozyme 1	D87991	1.5
<b>RNA Synthesis and Binding</b>		
RNA binding protein (transformer-2-like)	AI231164	1.6
RNA helicase	AF063447	2
<b>Secreted Protein</b>		
fibronectin (fn-1)	U82612	1.8
ceruloplasmin	L33869	1.6
clusterin	M64733	1.6
Haptoglobin	K01933	8.4
versican V3 isoform precursor	AF072892	4.7
adrenomedullin	D15069	5
plasminogen activator inhibitor 1	M24067	1.8
plasminogen activator inhibitor 2	X64563	1.7
<b>Transcription Regulation</b>		
high mobility group protein 2	D84418	1.6
Fos-related antigen mRNA	U34932	1.5
Interferon regulatory factor 1	M34253	2
RDC-1 protein (POU4F1)	AJ010828	1.5
transcription factor EF1(A)	M95791	1.6
calreticulin	D78308	1.5
C/EBP related transcription factor	S77528	1.9
hypoxia-inducible factor 1	Y09507	2.6
<b>NF-kappa B p105 subunit</b>	U83883	1.3
<b>Translation</b>		
ribosomal protein L13 mRNA	X78327	1.6
PHAS-I (eukaryotic translation initiation factor 4B)	U05014	1.5
<b>Transport</b>		
band 3 Cl-/HCO3- exchanger (B3RP3)	J05167	1.8
proton-coupled divalent metal ion transporters	AF041083	2.6
purine specific Na+ nucleoside cotransporter (SPNT)	U66723	1.6
ATP-binding cassette, subfamily C, member 8 (MRP8)	AA957003	6.4
<b>Vesicle Transport</b>		
alpha-c large chain of the protein complex AP-2 associated with clathrin	X53773	2
clathrin-associated protein 17 (AP17)	U75917	2.1
prenylated SNARE protein Ykt6p (Ykt6)	AF033027	1.5
SNAP-23 mRNA	AF052596	1.5
VAMP5 mRNA	AF054826	1.6