

**TNF\_suppressed genes, fat tissue, 4-day infusion**

Gene name	Accession	Fold
<b>Apoptosis</b>		
alpha-crystallin B chain	M55534	1.7
<b>Cell Adhesion</b>		
integrin alpha chain H36-alpha7	X65036	4.8
<b>Cell Cycle Progression</b>		
cell cycle progression related D123	U34843	1.6
G0/G1 switch gene 2 (G0s2) (EST similar to NM_008059)	AA893235	1.9
growth-arrest-specific Gas-3 homolog	S55427	1.4
<b>Cell Signaling</b>		
adenylate kinase 3	AI176052	1.6
annexin V-binding protein (ABP-7)	D64061	1.4
beta 3-adrenergic receptor	S56481	2.4
Ca <sup>++</sup> /calmodulin-dependent protein kinase II, delta subunit	AA894330	1.4
cAMP-dependent protein kinase (type II) regulatory subunit	M12492	2.1
Cdc42Hs-associated tyrosine kinase (EST similar to)	H31144	1.5
FKBP 12 (EST similar to BC004671)	AI176170	1.4
G protein beta1 subunit (rGb1)	U88324	1.8
Inositol 1, 4, 5-triphosphate receptor 3	L06096	1.6
Insulin-like growth factor binding protein 6	M69055	1.7
Insulin-like growth factor-binding protein 5	AI029920	3
metabotropic glutamate receptor (GLUR4)	AB003515	1.4
Neuron-specific antigen HPC-1, homologous to epimorphin/syntaxin 2	D10392	1.8
protein phosphatase 1 beta	S78218	1.7
protein phosphatase 2A-beta catalytic subunit	M23591	1.4
protein phosphatase inhibitor-1	J05592	2.3
Rat rhoB (ras homolog gene family, member B)	AA900505	1.4
RGS-GAIP interacting protein GIPC	AF089817	1.5
S100 alpha	S68809	1.7
sensory neuron synuclein	X86789	1.7
tyrosine phosphatase (PRL-1)	L27843	1.4
<b>Cell Stress</b>		
Glutathione S-transferase 1 (theta)	AI138143	2.5
heat shock protein (Hsp27)	AA998683	1.8
heat shock protein 70 (HSP70)	L16764	2.2
<b>Cell Structure and Cytoskeleton</b>		
keratin type I (EST similar to M13806)	AI639415	2.4
non-muscle myosin light chain 3 (MLC3nm) (EST similar to U04443)	AA875523	1.9
smooth muscle alpha-actin	AA900769	1.8
tropomyosin 1	L00382	2
<b>Chaperone</b>		
GRP94/endoplasmic	S69316	1.6
<b>DNA Synthesis</b>		
DNA topoisomerase II	AA892773	1.6
<b>Immune Response</b>		

CD81 antigen (target of antiproliferative antibody 1)	AI103957	1.5
Thymus cell surface antigen	AA874848	1.8
<b>Metabolism (amino acid)</b>		
Asparagine synthetase	U07201	1.7
Branched chain alpha-ketoacid dehydrogenase subunit E1 alpha cysteine dioxygenase	J02827	1.7
Isovaleryl Coenzyme A dehydrogenase	AA942685	2.1
N-G,N-G-dimethylarginine dimethylaminohydrolase	J05031	2.4
phosphoserine aminotransferase (EST similar to AF259674)	AA945152	1.5
	AI102868	2.3
<b>Metabolism (cholesterol)</b>		
cytosolic 3-hydroxy 3-methylglutaryl coenzyme A synthase (EC 4.1.3.5)	X52625	1.4
<b>Metabolism (fatty acid and lipid)</b>		
Acyl CoA synthetase, long chain	AI044900	2.3
adipocyte fatty acid binding protein (A-FABP)	AI169612	1.7
diacylglycerol acyltransferase (EST similar to BC003717)	AA859529	1.5
diazepam binding inhibitor (DBI), acyl-CoA binding protein	AI010581	1.6
fatty acid synthase (EC 2.3.1.85)	M76767	2.2
Hormone - sensitive lipase, testicular isoform	U40001	2.2
Lipoprotein lipase	L03294	1.9
Lysophospholipase	AA800220	1.5
phosphatidylinositol transfer protein (beta isoform)	D21132	1.4
Phospholipase C (BETA4)	L15556	2.3
<b>Metabolism (glucose)</b>		
Na <sup>+</sup> /glucose cotransporter	U03120	1.5
NADP-dependent isocitrate dehydrogenase	AA892314	1.5
Pyruvate carboxylase	U32314	2.4
pyruvate dehydrogenase beta (PDH8) (EST similar to NM_000925)	AA892828	1.5
<b>Metabolism (nucleotide)</b>		
AIRC mRNA for AIR carboxylase-SAICAR synthetase	AA866248	1.4
Phosphoribosylpyrophosphate synthetase	X16555	3.7
<b>Metabolism (other)</b>		
cysteine sulfinic acid decarboxylase	M64755	2.2
ecto-ATPase	AI230130	1.8
esterase (ES-10, PI 6.1)	L46791	1.9
NADH dehydrogenase (ubiquinone) 1 beta subcomplex 3 (EST similar to XM_002518)	AA799499	1.4
phospholipid hydroperoxide glutathione peroxidase	L24896	1.4
retinol-binding protein (RBP)	M10934	2.3
ubiquinol-cytochrome c reductase (smallest subunit) (EST similar to)	AA926137	1.5
<b>Mitochondrial Function</b>		
cytochrome B gene (EST similar to)	AI103396	1.7
Cytochrome C	K00750	1.6
cytochrome c oxidase subunit I (EST similar to)	AI010292	1.5
cytochrome c oxidase subunit IV	AA818226	1.5
cytochrome oxidase subunit I	S79304	2
F1-ATPase epsilon subunit	AI171844	1.4
membrane protein-73 (inner mitochondrial membrane protein)	S63519	1.4

mitochondrial cytochrome oxidase subunits I, II, III (EST similar to)	AA893485	1.4
mitochondrial cytochrome B gene (EST similar to)	AI179150	1.4
mitochondrial cytochrome oxidase subunits I,II, III	J01435	1.5
mitochondrial dicarboxylate carrier	AJ223355	1.4
NADH ubiquinone oxidoreductase subunit (IP13)	L38437	1.5
NADPH-cytochrome P-450 oxidoreductase	M10068	1.6
oligomycin sensitivity conferring protein	D13127	1.4
tricarboxylate carrier	S70011	1.8
<b>mRNA Degradation</b>		
AU RNA-binding protein/enoyl-coenzyme A hydratase (EST similar to NM_016709)	AA859688	1.5
<b>Nuclear Protein</b>		
autoantigen	X67859	1.4
<b>Other</b>		
beta-globin (EST similar to X16417)	AI179576	1.6
R-esp1	L14462	1.4
tumor-suppressive gene	S72637	1.4
<b>Protein Degradation</b>		
Dipeptidyl peptidase 4	J04591	1.7
Nedd4 WW domain binding protein 4 (EST similar to AF220208)	AI639058	1.7
<b>Protein Modification</b>		
vitamin K-dependent gamma-glutamyl carboxylase	AF065387	1.4
<b>Protein Synthesis</b>		
elongation factor 1-alpha	M81088	1.4
ribosomal protein L21	AA849648	1.6
ribosomal protein L23	X58200	1.4
ribosomal protein L35a	AI103236	1.4
ribosomal protein S21	AI178207	1.4
ribosomal protein S29 (EST similar to NM_012876)	AA965264	1.5
<b>Secreted Protein (Extracellular Matrix)</b>		
alpha-1 type I collagen	M27207	1.5
decorin	X59859	1.5
extracellular matrix protein 2	U27562	2.6
osteonectin (SPARC, secreted acidic cysteine-rich glycoprotein) (EST similar to NM_012656)	AA946313	1.5
tropoelastin	J04035	2.4
TSH receptor (truncated form)	D38036	1.4
<b>Secreted Protein (inflammatory response)</b>		
ebnerin	U32681	2
<b>Secreted Protein (blood coagulation)</b>		
Coagulation factor III (thromboplastin, tissue factor)	U07619	1.6
protein S	U06230	1.8
<b>Secreted Protein (immune response)</b>		
C4 complement protein	U42719	1.6
adipsin	M92059	1.6
<b>Secreted Protein (peptide hormone)</b>		
angiotensinogen	M12112	2.3
<b>Transcription Regulation</b>		

BTE binding protein	D12769	1.6
High mobility group 1	M64986	1.4
NF1-X1 (CCAAT binding transcription factor)	AB012234	1.7
NFI-A1 (CCAAT binding transcription factor)	X84210	1.6
retinoid X receptor gamma (RXRgamma)	AF016387	1.5
sperm membrane protein (YWK-II)	M31322	1.4
Thyroid hormone responsive protein (spot14)	K01934	2.2
Transforming growth factor beta stimulated clone 22	L25785	1.5
<b>Transport</b>		
amiloride sensitive Na <sup>+</sup> channel protein	X70521	1.4
brain calcium channel alpha-1 subunit (rbC-I)	M59786	1.6
connexin 40 (GJA5)	AF022136	1.6
ELK channel 2 (Dm Eag-like K channel)	AJ007627	1.5
vesicular acetylcholine transporter (rVACHT)	U09211	1.6
<b>Vesicle Coating Protein</b>		
nonclathrin coat protein zeta2-cop (EST similar to AB040137)	AA893634	1.6