

**Supplementary Table 4**

Title	Putative Function	Seq Derived From	Gene Symbol	FC	SLR
ESTs, Moderately similar to CALX RAT CALNEXIN PRECURSOR	Transport/ER trafficking/Lipid Metabolism	AI010725		1.75	0.81
Hepatocyte nuclear factor 6	Transcription factor	Y14933	Hnf6	5.84	2.55
butyrate response factor 1	Transcription factor /growth factor	AI136891	Brf1	1.77	0.83
cutaneous fatty acid-binding protein	Trafficking/lipid meabolism	S69874	C-FABP	2.18	1.12
insulin-like growth factor I	Signaling	M81183		1.78	0.84
AMP-activated protein kinase	Signaling	AA819643	Prkaa2	1.75	0.81
insulin-like growth factor binding protein complex acid-labile subunit	Signaling	S46785		1.77	0.82
cysteine-sulfinate decarboxylase	Metabolism/taurine	M64755	Csad	1.94	0.95
Steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	Metabolism/Steroid	J05035	Srd5a1	2.26	1.18
ESTs, Moderately similar to JC5823 NADH dehydrogenase [H.sapiens]	Metabolism/oxred	AI104679		1.95	0.96
thioredoxin reductase 2	Metabolism/oxidative stress	AF072865	Txnrd2	1.93	0.95
ATP citrate lyase	Metabolism/lipid/3 carbossilic cycle	J05210	Acly	1.75	0.81
Malic enzyme 1, soluble	Metabolism/lipid	AI171506	Me1	2.55	1.35
fatty acid synthase	Metabolism/lipid	M76767	RATFASA	1.87	0.91
Pyruvate kinase, liver	Metabolism/Glucose	X05684	Pklr	1.81	0.86
hydroxysteroid sulfotransferase	Metabolism/detoxification/hormon metabolism	AA945589		3.34	1.74
ESTs, Highly similar to GTK1 RAT GLUTATHIONE S-TRANSFERASE, MITOCHONDRIAL	Metabolism/detoxification	AI105137		2.02	1.02
Cytochrom P450 Lanosterol 14 alpha-demethylase	Metabolism/detoxification	U17697	Cyp51	1.83	0.88
choline kinase	Meabolism/phospholipid	D10262	Chk	2.05	1.04
Rattus norvegicus heme oxygenase-3 (HO-3)	Detoxification/oxidative stress	M13100		2.24	1.16
ESTs, Moderately similar to NI2M_HUMAN NADH-UBIQUINONE OXIDOREDUCTASE B22 SUBUNIT [H.sapiens]	Detoxification/oxidative stress	AI171542		1.87	0.90
cytochrome P450, 2c39	Detoxification	AA945573	Cyp2c39	2.30	1.20
cytochrome P450 15-beta (CYP2C12)	Detoxification	M33550		1.82	0.86
Cytochrom P450 (cholesterol hydroxylase 7 alpha)	Detoxification	J05460	Cyp7a1	2.33	1.22

Catalase	Detoxification	AA926149	Cat	5.07	2.34
cell division cycle 42	Cell cycle	AA925473	Cdc42	2.54	1.35
Rattus norvegicus Nclone10 mRNA	?	AI071866		1.83	0.87
Rattus norvegicus CDK110 mRNA	?	AI171355		2.47	1.31
L1Rn B6 repetitive DNA element	?	X07686		2.34	1.23
L1 retroposon, ORF2	?	X61296		1.96	0.97
ESTs	?	AA892522		1.76	0.82
ESTs	?	AA893192		1.95	0.97
ESTs	?	AI639525		49.17	5.62
EST	?	X03453		1.79	0.84
EST	?	AA799406		1.84	0.88
EST	?	X03453		1.90	0.93
EST	?	X05472		2.05	1.04
EST	?	AA893870		2.08	1.06
EST	?	M23572		2.21	1.14
EST	?	AI639204		2.32	1.21
EST	?	X05472		2.36	1.24
EST	?	X05472		2.47	1.30
long interspersed repetitive DNA containing 7 ORF's	?	X53581		1.79	0.84
EST	?	AA859372		1.91	0.93