

**Up-regulated genes in treated vs. untreated cells**

<b>Symbol</b>	<b>Entrez Id</b>	<b>Description</b>
SCN3	10456	HCLS1 associated protein X-1
ZBTB10	65986	zinc finger and BTB domain containing 10
PTHRP, HHM, I	5744	parathyroid hormone-like protein
FLVCRL14q	55640	feline leukemia virus subgroup C cellular receptor family, member 2
hDIP	1831	TSC-22 related protein
LDLR	3949	low density lipoprotein receptor
PPFIBP2	8495	PTPRF interacting protein, binding protein 2 (liprin beta 2)
dJ142L7.2, FLJ	51175	epsilon-tubulin
WFDC4	6590	secretory leukocyte protease inhibitor (antileukoproteinase)
MGC132003	2746	glutamate dehydrogenase 1
VIMP	55829	selenoprotein S
SAS	54187	sialic acid synthase
MGC4504	79094	ChaC, cation transport regulator-like 1 (E. coli)
OAT	4942	ornithine aminotransferase (gyrate atrophy)
DAPL1	92196	death associated protein-like 1
LTF	4057	neutrophil lactoferrin
RP4-678I3	23566	calcium-mobilizing lysophosphatidic acid receptor LP-A3
FLJ22660	55839	centromere protein N
SLC25A37	51312	mitochondrial solute carrier protein
NCU-G1	112770	kidney predominant protein NCU-G1
UCC1	54749	ependymin related protein 1 (zebrafish)
LOC221710	221710	LOC221710
KIAA1834	63916	engulfment and cell motility 2
SBBI03	10193	neuregulin receptor degradation protein-1
MGC150532	116285	medium-chain acyl-CoA synthetase
RALDH3	220	retinaldehyde dehydrogenase 3
hPIP1	55003	PAK/PLC-interacting protein 1
TROP2, GA733	4070	tumor-associated calcium signal transducer 2
bA108L7.1	81621	Kazal-type serine peptidase inhibitor domain 1
KLHL29	114818	kelch-like 29 (Drosophila)
PRO1855, FLJ2	55379	leucine rich repeat containing 59
STQTL11	1021	cell division protein kinase 6
ACCA	31	acetyl-Coenzyme A carboxylase alpha
PSCA	8000	prostate stem cell antigen
MGC102869	284001	coiled-coil domain containing 57
LOC81691	81691	exonuclease NEF-sp
ZNF145	7704	zinc finger protein 145
dJ417M14.2	4117	serine/threonine protein kinase MAK
dJ955L16.1	222546	regulatory factor X domain containing 1
hR-PTPu	5797	protein tyrosine phosphatase, receptor type, mu polypeptide
KDEL3	11015	KDEL (Lys-Asp-Glu-Leu)
FLJ97621	9590	kinase scaffold protein gravin
TAHCCP2	25953	paroxysmal nonkinesigenic dyskinesia
SLC7A1	6541	solute carrier family 7 (cationic amino acid transporter, y+ system)
P8	26471	p8 protein

p31	5714	26S proteasome regulatory subunit p31
LRIG1	26018	leucine-rich repeats and immunoglobulin-like domains 1
LOC653698	653698	LOC653698
RHR	153	beta-1-adrenergic receptor
TRAPG	6747	SSR gamma
RNS4	6038	ribonuclease, RNase A family, 4
Ssc2	54898	elongation of very long chain fatty acids
C3orf25	90288	chromosome 3 open reading frame 25
DUSP27	92235	dual specificity phosphatase 27 (putative)
MANK	56172	progressive ankylosis protein
seladin-1	1718	putative protein product of Nbla03646
beta4Gal-T1	2683	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 1
KIAA1338	440275	eukaryotic translation initiation factor 2 alpha kinase 4
UNQ847	493869	EPLA847
hCTR1, CTR1	1317	solute carrier family 31 (copper transporters), member 1
xCT	23657	cystine/glutamate transporter
SLC16A6	9120	solute carrier family 16, member 6
MIWC	361	mercurial-insensitive water channel
ST4, CRYBG1	202	suppression of tumorigenicity 4 (malignant melanoma)
SF20	56005	stromal cell-derived growth factor
bA375E1.3	25803	SAM pointed domain containing ets transcription factor
TMEM45A	55076	transmembrane protein 45A
MCCC2	64087	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)
Ang2	285	Tie2-ligand
SpS	6611	spermidine aminopropyltransferase
TU12	3992	fatty acid desaturase 1
PED	8682	homolog of mouse MAT-1 oncogene
TIS7	3475	nerve growth factor-inducible protein PC4
ELL2	22936	ELL-related RNA polymerase II, elongation factor
ERO1L	30001	ERO1 (S. cerevisiae)-like
VLDLRCH	7436	very low density lipoprotein receptor
ps-PLA1	51365	phosphatidylserine-specific phospholipase A1alpha
SPCS4C	90701	SEC11-like 3
BETA2AR	154	catecholamine receptor
FLJ25390	221481	chromosome 6 open reading frame 81
RAM	5873	RAB27A, member RAS oncogene family
TMCO3	55002	transmembrane and coiled-coil domains 3
NMDMC	10797	methylene tetrahydrofolate dehydrogenase 2
TMEPAI	56937	transmembrane prostate androgen-induced protein
PIG13	81563	chromosome 1 open reading frame 21
IG/EBP-1	1054	CCAAT/enhancer binding protein gamma
SQLE	6713	squalene epoxidase
STK39	27347	Ste20-like protein kinase
TMEM27	57393	transmembrane protein 27
KRT18	3875	cytokeratin 18
SAH	6296	SA hypertension-associated homolog
GTC90	10466	component of oligomeric golgi complex 5

GALE	2582 galactowaldenase
SAP1	2005 SRF accessory protein 1
NO3	4681 neuroblastoma, suppression of tumorigenicity 1
TDD5	10397 differentiation-related gene 1 protein
STAT12, SSI2, S	8835 suppressor of cytokine signaling-2
MGC13170	84798 multidrug resistance-related protein
CLDN8	9073 claudin 8
Rcal, PIG20, FL	5954 proliferation-inducing gene 20
MGC74725	54676 GTP binding protein 2
TS11	440 asparagine synthetase
HSD10	161835 fibrous sheath interacting protein 1
S100P	6286 migration-inducing gene 9
LOC144481	144481 LOC144481
c-MAF	4094 Avian musculoaponeurotic fibrosarcoma (MAF) protooncogene
MGC43380	4211 Meis1, myeloid ecotropic viral integration site 1 homolog
MGC105112	4015 protein-lysine 6-oxidase
TM4SF1	4071 tumor-associated antigen L6
SMAD1	2617 Charcot-Marie-Tooth neuropathy, neuronal type, D
PFKFB2	5208 PFKFB, cardiac
PART1	25859 PART1
SSAT-1	6303 spermidine/spermine N1-acetyltransferase
PCNXL2	80003 pecanex-like 2
ATF3	467 activating transcription factor 3
ISG20	3669 interferon stimulated exonuclease gene 20kDa
IRS2	8660 insulin receptor substrate 2
ZAG	563 alpha-2-glycoprotein 1, zinc
WWTR1	25937 transcriptional co-activator with PDZ-binding motif (TAZ)
MGC132014	8821 inositol polyphosphate-4-phosphatase, type II, 105kDa
PGDH1	3248 15-hydroxyprostaglandin dehydrogenase
KLF5	688 transcription factor BTEB2
NNMT	4837 nicotinamide N-methyltransferase
UGT2B4	7363 UDP-glucuronyltransferase, family 2, beta-4
NKX3A	4824 NK3 homeobox 1
hFZ8	8325 frizzled 8
SLC41A1	254428 solute carrier family 41 member 1
HERC5	51191 cyclin-E binding protein 1
RNF188	79872 Casitas B-lineage lymphoma-like
WDR37	22884 WD repeat domain 37
B2M	567 beta chain of MHC class I molecules
bHLHe40	8553 differentially expressed in chondrocytes 1
Dip2, KIAA018	23181 DIP2 disco-interacting protein 2 homolog A (Drosophila)
PPAPDC1B	84513 diacylglycerol pyrophosphate like 1
TMCC3	57458 transmembrane and coiled-coil domains 3
p64H1	25932 chloride intracellular channel 4
RAB39B	116442 RAB39B, member RAS oncogene family
KIAA1001	22901 Arylsulfatase G
bHLHa15	168620 muscle, intestine and stomach expression 1

slow-type	4604	skeletal muscle C-protein
RALT	54206	mitogen-inducible gene 6 protein
hTC-1	56892	thyroid cancer-1
TBRG1	84897	nuclear interactor of ARF and MDM2
MGC111507	353322	low density lipoprotein receptor-related protein binding protein
PSAT1	29968	endometrial progesterone-induced protein
mSLO1	3778	bA205K10.1 (potassium large conductance calcium-activated channel)
SOUL	23593	placental protein 23
MGC104991	3570	interleukin 6 receptor alpha subunit
Ska1	220134	spindle and KT (kinetochore) associated 1
KDELR2	11014	ERD-2-like protein
TCF5	1051	transcription factor 5
BTG1	694	B-cell translocation protein 1
SLC26A3	1811	solute carrier family 26, member 3
dJ1103G7.3, TI	57761	p65-interacting inhibitor of NF-kappaB
hcp-6	23310	non-SMC condensin II complex, subunit D3
TLH	5352	lysyl hydroxylase 2
RP11-402G3.2	203197	chromosome 9 open reading frame 91
MLD, Des-1, DI	8560	dihydroceramide desaturase
MGC70414	1622	diazepam binding inhibitor, splice form 1c
MGC4154	1649	growth arrest- and DNA damage-inducible
SLC43A1	8501	solute carrier family 43, member 1
FLJ11773	60673	hypothetical protein LOC60673
NIBAN	116496	niban protein
TMP, CL-20	2012	epithelial membrane protein 1
MGC54182	51303	FK506 binding protein 11, 19 kDa
SRPRB	58477	signal recognition particle receptor, beta subunit
SLC4A5	57835	sodium bicarbonate transporter 4
SPAL2	57568	SPA-1-like 2
PPM1E	22843	partner of PIX 1
nicein-150kDa,	3909	epiligrin alpha 3 subunit
hSK2	3781	potassium intermediate
KIAA0293, CDF	23316	cut-like 2
KIAA1254	9236	cell cycle progression 8 protein
STK37	23178	PAS-serine/threonine kinase
LOC401623	401623	LOC401623
MGC15366	3880	keratin, type I, 40-kd
YTS, YRS, tyrRS	8565	tyrosine tRNA ligase 1, cytoplasmic
YMR292W	51026	golgi transport 1 homolog B
TNFAIP9	79689	STEAP family member 4
P4501B1	1545	cytochrome P450, family 1, subfamily B, polypeptide 1
SLC3A2	6520	antigen defined by monoclonal antibody 4F2, heavy chain
TXREB	468	activating transcription factor 4
TC	1604	decay accelerating factor for complement
NICAL	64780	microtubule associated monooxygenase
MRP4, EST170	10257	ATP-binding cassette, sub-family C, member 4
NBPF15	284565	hypothetical protein LOC284565

dJ292B18.2	25902 methylenetetrahydrofolate dehydrogenase
U19	55840 ELL-associated factor 2
VPF	7422 vascular permeability factor
PICD	3417 oxalosuccinate decarboxylase
ODC1	4953 ornithine decarboxylase 1
STK17B	9262 serine/threonine kinase 17b
TAP1	23541 tocopherol-associated protein
hG28K	58480 ras homolog gene family, member U
NYD-sp9	9848 microfibrillar-associated protein 3-like
MGC1405	3638 INSIG-1 membrane protein
WIPI49	55062 WIPI-1 alpha
TMEM79	84283 transmembrane protein 79
MGC163279	2081 endoplasmic reticulum to nucleus signaling 1
MGC15563	84962 ajuba
rap1GAPII	5909 RAP1, GTPase activating protein 1
U-MAF	23764 transcription factor MAFF
GPT2	84706 glutamic pyruvate transaminase (alanine aminotransferase) 2
DC13	56942 hypothetical protein LOC56942
SERS	6301 seryl-tRNA synthetase
SEC24D	9871 SEC24 (S. cerevisiae) related gene family, member D
PLML	5349 FXFD domain-containing ion transport regulator 3
TMPRSS2	7113 epitheliasin
FLJ23563	79993 elongation of very long chain fatty acids-like 7
YVTM2421	64778 factor for adipocyte differentiation 104
SCD1	6319 acyl-CoA desaturase
NRXN4	26047 homolog of Drosophila neurexin IV
TXNL1CL	57095 chromosome 1 open reading frame 128
RNF69	5192 peroxisome biogenesis factor 10
RTP801, FLJ20!	54541 RTP801
TNS3	64759 tumor endothelial marker 6
MGC18216	3480 insulin-like growth factor 1 receptor
DLX1	1745 distal-less homeobox 1
STYI	55808 GalNAc alpha-2, 6-sialyltransferase I
MGC72127	22998 LIM and calponin homology domains 1
bHLHc5	55897 mesoderm posterior 1 homolog (mouse)
FLJ22590	27034 acyl-coenzyme A dehydrogenase 8
WASH3P	374666 WAS protein family homolog 3 pseudogene
MCT	79648 microcephaly, primary autosomal recessive 1
claudin-1	1366 claudin 7
NF-IL6-beta	1052 CCAAT/enhancer binding protein delta
DNASE2B	58511 endonuclease DLAD
PHPS1-2	11057 abhydrolase domain containing 2
SLC2A3	6515 GLUCOSE TRANSPORTER TYPE 3, BRAIN
MGC87297	3915 formerly LAMB2
hVPLA(2)	5322 phosphatidylcholine 2-acylhydrolase
Vesl-2	9455 cupidin
PRO2194	2181 fatty-acid-Coenzyme A ligase, long-chain 3

EDEM3	80267 ER degradation-enhancing -mannosidase-like protein 3
MLT1	10892 MALT associated translocation
MGC43127	9935 transcription factor MAFB
WWC1	23286 WW, C2 and coiled-coil domain containing 1
SDK1	221935 sidekick 1
NSMAF	8439 neutral sphingomyelinase (N-SMase) activation associated factor
FLJ25053	147463 ankyrin repeat domain 29
MGC33365	205428 hypothetical protein LOC205428
SUP	9709 homocysteine-inducible endoplasmic reticulum
ADH3	126 alcohol dehydrogenase 3 (class I), gamma polypeptide
UAP1	6675 sperm associated antigen 2
SLC16A1	6566 solute carrier family 16, member 1
ZNF450	9841 zinc finger protein 450
BTN3A3	10384 butyrophilin, subfamily 3, member A3
GNMT	27232 glycine N-methyltransferase
PDIR, FLJ30401	10954 for protein disulfide isomerase-related
NEDL2	57520 HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
SP8	221833 Sp8 transcription factor
PSP94	4477 seminal plasma beta-inhibin
SARG, FLJ3650	79098 specifically androgen-regulated protein
hK2	3817 kallikrein 2, prostatic
TNFAIP8	25816 tumor necrosis factor, alpha-induced protein 8
TACC2	10579 transforming, acidic coiled-coil containing protein 2
RAXLX	91464 intestine-specific homeobox
ORM2	5005 alpha-1-acid glycoprotein, type 2
hSgt2p	8496 protein-tyrosine phosphatase receptor-type f
DKFZp686M20	55973 B-cell receptor-associated protein 29
RACE	23600 alpha-methylacyl-CoA racemase
WS2D	6591 slug homolog, zinc finger protein
MGC9471	1491 homoserine dehydratase
TRPP8	79054 short form of the TRPM8 cationic channel
EST422562, AE	340273 P-glycoprotein ABCB5
GLUDP1	2747 glutamate dehydrogenase pseudogene 1
PTGER4	5734 prostaglandin E receptor 4, subtype EP4
MGC35403	254427 chromosome 10 open reading frame 47
hD52	7163 tumor protein D52
SLC35F2	54733 solute carrier family 35, member F2
c14_5270	122525 hypothetical protein LOC122525
bA526D8.1	23299 bicaudal D homolog 2
TYP	1846 serine/threonine specific protein phosphatase
WARS	7453 tryptophan tRNA ligase 1, cytoplasmic
MGC104194	54431 J-domain-containing protein disulfide isomerase-like protein
ZNF595	152687 zinc finger protein 595
MGC51750	476 Na <sup>+</sup> /K <sup>+</sup> ATPase 1
SCRG1	11341 scrapie responsive protein 1
P450SCC	1583 steroid 20-22-lyase
PHAS-I	1978 phosphorylated heat- and acid-stable protein regulated by insulin 1

KLF4	9314	endothelial Kruppel-like zinc finger protein
FLJ35024	401491	FLJ35024
KIAA1851	29925	mannose-1-phosphate guanylyltransferase
Ptg-10	2289	rotamase
TTC39A	22996	tetratricopeptide repeat domain 39A
OACT2	129642	lysophospholipid acyltransferase
SWS	3977	CD118 antigen
PSPH	5723	L-3-phosphoserine phosphatase
SLC6A9	6536	solute carrier family 6 member 9
SDPII	11252	protein kinase C and casein kinase substrate in neurons 2
KRT8	3856	keratin, type II cytoskeletal 8
CLGN	1047	calmegin
SORD1	6652	sorbitol dehydrogenase
Q10, AGO2	27161	eukaryotic translation initiation factor 2C, 2
MGC111402	55784	multiple C2-domains with two transmembrane regions 2
UGT2B28	54490	UDP glycosyltransferase 2 family, polypeptide B28
LOC285463	285463	LOC285463
XAG-2, HAG-2,	10551	anterior gradient homolog 2 ( <i>Xenopus laevis</i> )
testican-1	6695	testican-1
PTGFB	9518	PTGF-beta
ARF1	375	ADP-ribosylation factor 1
KIAA0746	23231	KIAA0746
MGC102891	400451	hypothetical protein LOC400451
Yo	1039	paraneoplastic cerebellar degeneration-associated antigen
MSTP049	4189	endoplasmic reticulum DnaJ homolog 4
IQGAP2	10788	IQ motif containing GTPase activating protein 2
nPKC-eta	5583	protein kinase C, eta
KIAA0032	8916	hect domain and RLD 3
RHOGAP3	1124	beta chimerin
SLC1A4	6509	solute carrier family 1, member 4
l1rk3, l(1)-3rk	79083	exophilin-3
PNLIP	5406	triacylglycerol acylhydrolase
bA101E13.1	51022	bA101E13.1 (GRX2 glutaredoxin (thioltransferase) 2)
STCRP	8614	STC-related protein
Ubc6p	51465	non-canonical ubiquitin conjugating enzyme 1
TSC22D1	8848	transforming growth factor beta-stimulated protein TSC-22
PGM3	5238	phosphoglucomutase 3
KIAA0575	9687	GREB1
SHMT2	6472	serine hydroxymethyltransferase 2 (mitochondrial)
TCRGC2	445347	T-cell receptor gamma-chain constant region
STCH	6782	microsomal stress 70 protein ATPase core
MGC1947	128239	IQ motif containing GTPase activating protein 3
PEPCK2	5106	mitochondrial phosphoenolpyruvate carboxykinase 2
SLC45A3	85414	prostate cancer-associated gene 6
PTPN10	1843	dual specificity phosphatase 1
FLJ31715	152048	FLJ31715
dJ483K16.1	60481	homolog of yeast long chain polyunsaturated fatty acid

RAB3B	5865 Brain antigen RAB3B
hJAL	148327 cAMP responsive element binding protein 3-like 4
KIAA1822L	79802 KIAA1822-like
SLC2A10	81031 solute carrier family 2 member 10
MLL-MAML2	84441 mastermind-like 2
hK3	354 P-30 antigen
PRX-4	10549 thioredoxin peroxidase (antioxidant enzyme)
MGC88092	23052 endonuclease domain containing 1
WHIM	7852 leukocyte-derived seven-transmembrane-domain receptor
MGC125753	25874 brain protein 44
PGC	5225 Preprogastricsin
C9orf152	401546 chromosome 9 open reading frame 152
HEP27	10202 dehydrogenase/reductase member 2
CTBS	1486 chitobiase, di-N-acetyl-
beta4GalNAcT	55790 chondroitin beta1,4 N-acetylgalactosaminyltransferase
MGC31935	2342 farnesyltransferase, CAAX box, beta
PSD-93	1740 channel-associated protein of synapses, 110kDa
YLR066W	60559 signal peptidase complex subunit 3
SLC1A5	6510 neutral amino acid transporter B
EXTR2	2135 exostosin-like 2



## Down-regulated genes in treated vs. untreated cells

Symbol	Entrez Id	Description
hCG_1815491	643911	hCG_1815491
TLL1	7092	tolloid-like 1
PTHRP, HHM, PLP, P	5744	parathyroid hormone-like protein
ADAMTS6	11174	a disintegrin and metalloproteinase with thrombospondin motifs 6
C21orf81	114035	chromosome 21 open reading frame 81
BARD1	580	BRCA1-associated RING domain gene 1
TRPS1	7227	zinc finger transcription factor TRPS1
SMA5	11042	SMA5
PAP	55	acid phosphatase, prostate
RIMS1	22999	regulating synaptic membrane exocytosis 1
HIST1H4B	8366	H4 histone family, member I
MGC9481	3790	potassium voltage-gated channel delayed-rectifier protein S3
hRCN3	11123	regulator of calcineurin 3
TUSP, KIAA1397	56995	tubby super-family protein
U2AF65	11338	U2 snRNP auxiliary factor large subunit
WLS	79971	putative NFkB activating protein 373
DKFZp761D112	84257	chromosome 8 open reading frame 57
PTPLA	9200	cementum attachment protein
hIAN2	474344	immune associated nucleotide 2
HOXC9	3225	homeo box C9
PRAC	84366	prostate, rectum and colon
RP11-35N6.1	54886	plasticity related gene 3
TSG7, SEN4, ETS7q, I	7982	suppression of tumorigenicity 7
GRPP	2641	glucagon
hEndo	79694	mandaselin
SNK	10769	serum-inducible kinase
smMLCK	4638	myosin light chain kinase
NCAG1, FLJ11477	92126	chromosome 18 open reading frame 4
NFKBIZ	64332	nuclear factor of kappa light polypeptide gene enhancer in B-cells
neuroserpin	5274	serpin peptidase inhibitor, clade I (neuroserpin), member 1
HOXC13	3229	homeo box C13
SVIP	258010	SVIP
RDC1, GPR159	57007	G protein-coupled receptor
hCERK, FLJ23239, dA	64781	ceramide kinase
SEMA6D	80031	semaphorin 6D
psiNAIP	4671	psi neuronal apoptosis inhibitory protein
TSPAN7	7102	transmembrane 4 superfamily 2b
HOXC6	3223	homeobox C6
FLJ34534	1281	collagen, fetal
PRDM3	2122	oncogene EVI1
Orf3, GASZ, ALP1	136991	ankyrin repeat, SAM and basic leucine zipper domain containing 1
UGT2B17	7367	UDP glycosyltransferase 2 family, polypeptide B17
DKFZp781I035	1612	death-associated protein kinase 1
MAST4	375449	microtubule associated serine/threonine kinase family member 4
TGM3	7053	transglutaminase 3

efg	4602 c-myb13A_CDS
ZCWCC3	23515 MORC family CW-type zinc finger 3
STMY2	4319 matrix metalloproteinase 10 (stromelysin 2)
ZSIG13	11098 protease, serine, 23
Sp110	5376 growth arrest-specific 3
RDH10	157506 retinol dehydrogenase 10 (all-trans)
dj1158H2.1	80258 EF-hand domain (C-terminal) containing 2
NFH	4744 neurofilament, heavy polypeptide 200kDa
ZBBX	79740 zinc finger, B-box domain containing
TEM8, FLJ21776, FLJ	84168 anthrax toxin receptor 1
sPLA2	5320 synovial phospholipase-A2
DKFZp761I1510	160851 diacylglycerol kinase, eta
nm23-H7	29922 non-metastatic cells 7
RARHOGAP	57569 RA and RhoGAP domain containing protein
MATN2	4147 matrilin 2
baA22L21.1	29078 hormone-regulated proliferation-associated 20 kDa protein
PLCB4	5332 phospholipase C beta 4
TINUR, NOT, RNR1, I	4929 transcriptionally inducible nuclear receptor related 1
MGC87039	440926 H3 histone, family 3A pseudogene
TYRO4	2042 ephrin receptor EphA3
FLJ25291	90355 hypothetical protein LOC90355
PLXNA2	5362 transmembrane protein OCT
LOC440087	440087 hypothetical protein LOC440087
NAB1	4664 NGFI-A binding protein 1
RZRA, ROR1, ROR2, I	6095 retinoic acid receptor-related orphan receptor alpha
NOV	4856 nephroblastoma overexpressed gene
PSGR2	143503 olfactory receptor OR11-15
MAGI1	154043 membrane associated guanylate kinase
VLGR1b	84059 G protein-coupled receptor 98
RBPMS	11030 RNA binding protein with multiple splicing
NAIP1B	728519 NAIP1B
RANBP3L	202151 RAN binding protein 3-like
TMEM144	55314 transmembrane protein 144
MGC1798	481 Na, K-ATPase beta-1 polypeptide
LRIG3	121227 leucine-rich repeats and immunoglobulin-like domains 3
TMEM34	55751 transmembrane protein 34
RFX3	5991 regulatory factor X, 3
LOC728160	728160 hypothetical LOC728160
SLC35F3	148641 solute carrier family 35, member F3
ZNF703	80139 zinc finger protein 703
MGC142015	3912 laminin, beta 1
CBLN2	147381 cerebellin 2
VEG1192A	9966 tumor necrosis factor (ligand) superfamily, member 15
RSS	2887 growth factor receptor-bound protein 10
FST	10468 follistatin
ZNFXY	4281 tripartite motif protein TRIM18
MGC131893	23242 cordon-bleu homolog

NZF1	23040 neural zinc finger transcription factor 1
FLJ37576	114899 complement-c1q tumor necrosis factor-related protein 3
PCDHY	27328 protocadherin X
TMEM23	259230 sphingomyelin synthase 1
SYND4, amphiglycan	6385 ryudocan amphiglycan
FLJ45803	399948 chromosome 11 open reading frame 92
TRIB1	10221 G-protein-coupled receptor induced protein
TSPAN8	7103 tetraspanin 8
ADDL	120 adducin-like protein 70
IRXB2	10265 iroquois homeobox 5
PPDIV	2737 GLI-Kruppel family member GLI3
VEPTP	5787 protein tyrosine phosphatase, receptor type, B
NLRR-1	57633 leucine rich repeat neuronal 1
NDUFB4	4710 NADH dehydrogenase (ubiquinone) 1 beta subcomplex
ZNF294	26046 zinc finger protein 294
DDC	1644 dopa decarboxylase (aromatic L-amino acid decarboxylase)
MT2A	4502 metallothionein 2A
KIAA1466	57612 KIAA1466
Slo3	157855 potassium channel, subfamily U, member 1
MRP2	57626 Mayven-related protein 2
ATPIS	23250 phospholipid-translocating ATPase
MGC61909	2591 GalNAc transferase 3
RCBTB2	1102 chromosome condensation 1-like
PRO1341	213 cell growth inhibiting protein 42
MCC1	4163 mutated in colorectal cancers
MGC99678	2852 IL8-related receptor
MGC15664	84517 actin related protein M1
MGC20446	220002 cytochrome b, ascorbate dependent 3
LOC644914	644914 similar to H3 histone, family 3B
UGT8	7368 UDP glycosyltransferase 8
LOC647595	647595 LOC647595
bA386N14.2	7403 ubiquitously transcribed tetratricopeptide repeat, X chromosome
SI	6476 Oligosaccharide alpha-1,6-glucosidase
MGC105131	10144 family with sequence similarity 13, member A1
LOC120376	120376 hypothetical protein LOC120376
RIP-1	11103 HIV-1 rev binding protein 2
RP11-378J18.7	64853 axin interactor, dorsalization associated
RTN1	6252 reticulon 1
MGC130023	90161 heparan sulfate 6-O-sulfotransferase 2
bA307O14.2	93663 Rho GTPase activating protein 18
SLC44A1	23446 CDW92 antigen
KLHDC8A	55220 kelch domain containing 8A
MCTP1	79772 multiple C2-domains with two transmembrane regions 1
PMS2CL	441194 PMS2 C-terminal like pseudogene
ZNF680	340252 zinc finger protein 680
TLIMP	57561 thioredoxin-binding protein-2-like inducible membrane
NTS1	4922 neurotensin

SEST1, PA26	27244 sestrin 1
O/E-2	253738 early B-cell factor 3
LOC728431	728431 hypothetical LOC728431
IRX3	79191 iroquois homeobox protein 3
PLCeta1	23007 phospholipase C-like 3
TCF1ALPHA	51176 lymphoid enhancer binding factor-1
NCAM21, MGC5100	4685 neural cell adhesion molecule 2
MGC15604	131034 copine IV
PTPRR	5801 protein-tyrosine phosphatase NC-PTPCOM1
TRPM2	1191 testosterone-repressed prostate message 2
RP11-255E17.1	9411 Rho GTPase activating protein 29
HOXA13	3209 homeo box 1J
PRKD1	5587 protein kinase D1
PSP24B	81491 brain expressed G-protein-coupled receptor PSP24 beta
STXBP5L	9515 tomosyn-like
VTA1	51534 chromosome 6 open reading frame 55
fibroglycan, SYND2	6383 heparan sulfate proteoglycan core protein
ZIC2	7546 zinc finger protein of the cerebellum 2
FLJ38295	388815 hypothetical protein LOC388815
MGC3032	65998 MGC3032
HVH3	1847 dual specificity phosphatase 5
VIGR	57211 developmentally regulated G-protein-coupled receptor
LOC728555	728555 LOC728555
PTGER3	5733 prostaglandin receptor (PGE-2)
STK3	6788 serine/threonine kinase 3 (Ste20, yeast homolog)
E1	590 butyrylcholinesterase
GUSBP1	153561 glucuronidase, beta pseudogene 1
RFTN1	23180 proliferation-inducing protein 10
FADS8	123099 sphingolipid delta 4 desaturase/C-4 hydroxylase
KIAA1890	64478 CUB and Sushi multiple domains 1
SLC12A2	6558 solute carrier family 12
DEGA	347902 amphoterin induced gene 2
VR20	60437 cadherin-like protein VR20
MGC29633	3495 immunoglobulin heavy constant delta
ANKRD20A2	441430 ankyrin repeat domain 20 family, member A2
ROC2	6014 Ric-like, expressed in neurons
LOC643187	643187 LOC643187
NUDT4	11163 diphosphoinositol polyphosphate phosphohydrolase type 2
OTTHUMG00000066	728747 ankyrin repeat domain 20 family, member A4
SLITRK3	22865 slit and trk like gene 3
NUDT4P1	440672 nudix (nucleoside diphosphate linked moiety X)
LOC727770	727770 LOC727770
DKFZp434A171	84210 ankyrin repeat domain 20A
PCDHY	83259 protocadherin Y
LOC727762	727762 similar to NADH:ubiquinone oxidoreductase B15 subunit
SPAG9	9043 sperm surface protein
OPRK1	4986 opioid receptor, kappa 1

b55C20.2	11039 SMA4
mGCP	2346 prostate specific membrane antigen variant F
Kir3.1, GIRK1, KGA	3760 G protein-activated inward rectifier potassium channel 1
dJ718P11.1, FLJ11111	55304 serine palmitoyltransferase, long chain base subunit 3
MGC104684	1487 C-terminal binding protein 1
UG0636c06	84698 calcyphosphine 2
hdhc9	1769 dynein, axonemal, heavy chain 8
PSCTK3	660 BMX non-receptor tyrosine kinase
KAO	26 kidney amine oxidase
PMSL2	5395 postmeiotic segregation increased ( <i>S. cerevisiae</i> ) 2
SSBP2	23635 single-stranded DNA binding protein 2
OSR2	116039 odd-skipped related 2 ( <i>Drosophila</i> )
FLJ38155, DKFZp434	51313 hypothetical protein LOC51313
TDAG51, DT1P1B11,	22822 proline-histidine rich protein
ARG1	383 arginase, type I
LOC286367	286367 LOC286367
VIA	57556 sema domain, transmembrane domain (TM), and cytoplasmic domain
LOH11CR1D	2230 adrenodoxin
SYTL2	54843 exophilin-4
hWNT5A	7474 wingless-type MMTV integration site family, member 5A
bA12D24.3.2	6013 prorelaxin
SPG31	65055 receptor expression enhancing protein 1
DKFZp54711415	90141 CG11165-like
p55-GAMMA	8503 phosphoinositide-3-kinase, regulatory subunit
MGC10430	3557 intracellular IL-1 receptor antagonist type II
UNRIP, pt-wd, MAW	11171 unr-interacting protein
IGFBP3	3486 binding protein 53
ANKRD20A3	441425 ankyrin repeat domain 20 family, member A3
SOBP	55084 sine oculis binding protein homolog ( <i>Drosophila</i> )
MIR1	83856 fibronectin type III and SPRY domain containing 1-like
TIMP2	7077 tissue inhibitor of metalloproteinases 2
MGC105115	1290 type V procollagen alpha 2 chain
TUBA3, B-ALPHA-1, I	7846 tubulin, alpha 3
FIGNL1	63979 fidgetin-like 1
LOC149478	149478 hypothetical protein LOC149478
MGC34732, FLJ4211	220047 coiled-coil domain containing 83
NETO1	81832 neuropilin- and tolloid-like protein 1
RP11-401M16.1	55450 calcium/calmodulin-dependent protein kinase II inhibitor 1
pro-NRG3	10718 neuregulin-3-like polypeptide
hRCN2	10231 Down syndrome critical region gene 1-like 1
ANXA9	8416 annexin XXXI
MGC87783	3020 H3 histone, family 3A
TGD	19 ATP binding cassette transporter 1
PRKACN2	5570 PKI-beta
maba1, EIG121	57535 hypothetical protein LOC57535
GRB14	2888 growth factor receptor-bound protein 14
ST8SIA4	7903 sialyltransferase 8 (alpha-2, 8-polysialyltransferase) D

MAN9	4121 Man9-mannosidase
SLC25A18	83733 mitochondrial glutamate carrier 2
LOC653436	653436 LOC653436
dJ495O3.1	84969 chromosome 20 open reading frame 100
LOC283666	283666 LOC283666
DKFZP434N1511	54522 ankyrin repeat domain 16
bA12D24.1.2	6019 prorelaxin H2
LAP2	3320 heat shock protein 90kDa alpha (cytosolic), class A member 1
RGAG2	10687 onconeural antigen MA2
MGC126075	1024 CDK8 protein kinase
UGT2B8	7366 UDP-glucuronosyltransferase UGT2B15
NR3C1	2908 glucocorticoid receptor
GLCLC, GLCL	2729 gamma-glutamylcysteine synthetase
RAI2	10742 retinoic acid induced 2
RPS15P6	391845 ribosomal protein S15 pseudogene 6
TAFA2	338811 family with sequence similarity 19
NAPEPLD	222236 N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D
SRCL, CL-P1, SCARA4	81035 scavenger receptor class A, member 4
bA219P18.1	55151 transmembrane protein 38B
NDP	4693 norrin
TASSC	25934 nipsnap homolog 3A
SCGB1D2	10647 lipophilin B (uteroglobin family member), prostatein-like
LOC644339	644339 LOC644339
mlklak	51776 leucine zipper- and sterile alpha motif-containing kinase

## Androgen up-regulated proteins from iTRAQ study

Symbol	Entrez_ID	Description
STAU1	6780	Isoform Long of Double-stranded RNA-binding protein
EIF3M	10480	Eukaryotic translation initiation factor 3, subunit M
UAP1	6675	Isoform AGX2 of UDP-N-acetylhexosamine pyrophosphorylase
ENDOD1	23052	Endonuclease domain-containing 1 protein precursor
SHMT1	6470	Serine hydroxymethyltransferase, cytosolic
MAP2K2	5605	Dual specificity mitogen-activated protein kinase kinase 2
HEBP2	23593	Isoform 2 of Heme-binding protein 2
PYGB	5834	Glycogen phosphorylase, brain form
SSRP1	6749	FACT complex subunit SSRP1
RPS10	6204	Ribosomal protein S10
PABPC1	26986	Isoform 1 of Polyadenylate-binding protein 1
ACBD3	64746	Golgi resident protein GCP60
DBI	1622	Diazepam binding inhibitor
LCP1	3936	Plastin-2
KLK3	354	Prostate-specific antigen precursor
RPS3	6188	40S ribosomal protein S3
PSMD3	5709	26S proteasome non-ATPase regulatory subunit 3
AHCY	191	Adenosylhomocysteinase
PEA15	8682	Astrocytic phosphoprotein PEA-15
PTGES3	10728	Prostaglandin E synthase 3
SEC23B	10483	Protein transport protein Sec23B
NAP1L4	4676	Nucleosome assembly protein 1-like 4
FDFT1	2222	Squalene synthetase
ACLY	47	ATP-citrate synthase
UBE2L3	7332	Ubiquitin-conjugating enzyme E2 L3
NDRG1	10397	N-myc downstream regulated gene 1
CAPNS1	826	Calpain small subunit 1
CDC2	983	Cell division cycle 2
FASN	2194	Fatty acid synthase
AARS	16	Alanyl-tRNA synthetase, cytoplasmic
RPL7	6129	60S ribosomal protein L7
AHSA1	10598	Activator of 90 kDa heat shock protein ATPase homolog 1
DIAPH1	1729	Protein diaphanous homolog 1
ACSL3	2181	Long-chain-fatty-acid--CoA ligase 3
CSDA	8531	Cold shock domain protein A
FARSLA	2193	Phenylalanyl-tRNA synthetase alpha chain
RPL10L	140801	60S ribosomal protein L10-like
SND1	27044	Staphylococcal nuclease domain-containing protein 1
GPS1	2873	G protein pathway suppressor 1 isoform 2
RPS26	6231	Ribosomal protein S26
PSMD12	5718	26S proteasome non-ATPase regulatory subunit 12
EEF2	1938	Elongation factor 2
RPL38	6169	60S ribosomal protein L38
SORD	6652	Sorbitol dehydrogenase
GTPBP9	29789	Isoform 2 of Putative GTP-binding protein 9

TXN	7295 Thioredoxin
RPS8	6202 40S ribosomal protein S8
FKBP5	2289 FK506-binding protein 5
PRDX6	9588 Peroxiredoxin-6
YWHAG	7532 14-3-3 protein gamma
RPS16	6217 40S ribosomal protein S16
ACAT2	39 Acetyl-CoA acetyltransferase, cytosolic
SRM	6723 Spermidine synthase
WARS	7453 Tryptophanyl-tRNA synthetase, cytoplasmic
COPA	1314 Coatamer subunit alpha
SIL1	64374 Nucleotide exchange factor SIL1 precursor
NAT10	55226 N-acetyltransferase 10
SEC31A	22872 SEC31 homolog A isoform 4
NARS	4677 Asparaginyl-tRNA synthetase, cytoplasmic
TARS	6897 Threonyl-tRNA synthetase
C18orf32	497661 Chromosome 18 open reading frame 32
LOC389842	389842 Similar to Ran-specific GTPase-activating protein
SERBP1	26135 Plasminogen activator inhibitor 1 RNA-binding protein
NOL5A	10528 Nucleolar protein Nop56
SERPINB6	5269 Serpin peptidase inhibitor, clade B, member 6
GARS	2617 Glycyl-tRNA synthetase
PGM2	55276 Phosphoglucomutase-2
ASNS	440 Asparagine synthetase
TXNL5	84817 Thioredoxin-like protein 5
LOC644816	644816 Similar to Heat shock protein HSP 90-beta



### Androgen down-regulated proteins from iTRAQ study

Symbol	Entrez_ID	Description
HLA-C	3107	HLA class I histocompatibility antigen
SNRPA	6626	U1 small nuclear ribonucleoprotein A
PDCD6IP	10015	PDCD6IP protein
TIMM8A	1678	Mitochondrial import inner membrane translocase
NCAM2	4685	Neural cell adhesion molecule 2 precursor
DPP7	29952	Dipeptidyl-peptidase 2 precursor
AK3	50808	GTP:AMP phosphotransferase mitochondrial
CTSD	1509	Cathepsin D precursor
FOLH1	2346	Isoform PSMA-1 of Glutamate carboxypeptidase 2
FLOT1	10211	Flotillin-1
DDB1	1642	DNA damage-binding protein 1
MME	4311	Neprilysin
NDUFA8	4702	NADH dehydrogenase [ubiquinone]
WDR57	9410	WD repeat protein 57
C11orf58	10944	Small acidic protein
FXR2	9513	Fragile X mental retardation syndrome-related protein 2
RNASET2	8635	Isoform 1 of Ribonuclease T2 precursor
SF3A3	10946	Splicing factor 3A subunit 3
MIA3	375056	similar to melanoma inhibitory activity 3 isoform 1
MAP1B	4131	Microtubule-associated protein 1B
TRA2A	29896	Isoform Long of Transformer-2 protein homolog
ATP1B1	481	Isoform 1 of Sodium\potassium-transporting
PTMS	5763	Parathyrosin
ALDH2	217	Aldehyde dehydrogenase, mitochondrial precursor
HDGF	3068	Hepatoma-derived growth factor
HNRPL	3191	heterogeneous nuclear ribonucleoprotein L isoform a
SUCLG1	8802	succinate-CoA ligase, GDP-forming, alpha subunit
SNRPE	6635	Small nuclear ribonucleoprotein E
TM7SF2	7108	Isoform 1 of Delta(14)-sterol reductase
ATP5J	522	ATP synthase coupling factor 6, mitochondrial precursor
SFRS1	6426	splicing factor, arginine\serine-rich 1
SFPQ	6421	Isoform Long of Splicing factor
LGMN	5641	Legumain precursor
CTNND1	1500	Isoform 1AB of Catenin delta-1
PAFAH1B2	5049	Platelet-activating factor acetylhydrolase IB subunit beta
NHP2L1	4809	NHP2-like protein 1
NONO	4841	Non-POU domain-containing octamer-binding protein
FUS	2521	Isoform Short of RNA-binding protein FUS
DNAJB11	51726	DnaJ homolog subfamily B member 11 precursor