

Table 1.  
ARGs in LNCaP Cells with  $\geq$  or  $\leq$  3-Fold Expression Change

Gene	$\Delta$ Fold 24hr	48hr	Accession	Description
<b>Metabolism</b>				
HPGD	25.0	41.3	NM_000860	hydroxyprostaglandin dehydrogenase
PPAP2A	7.6	9.0	NM_003711	phosphatidic acid phosphatase 2A
SCD	5.9	4.5	NM_005063	stearoyl-CoA desaturase
SORD	4.5	5.4	NM_003104	sorbitol dehydrogenase
DHCR24	4.5	6.0	NM_014762	24-dehydrocholesterol reductase/Seladin
SMS	3.9	5.8	NM_004595	spermine synthase
LOC51171	3.7	3.6	NM_016246	dehydrogenase/reductase retSDR3
ALDH1A3	3.7	5.2	NM_000693	aldehyde dehydrogenase 1, member A3
SAT	3.7	7.3	NM_002970	spermidine/spermine N1-acetyltransferase
HMGCS1	3.5	2.7	NM_002130	3-hydroxy-3-methylglutaryl-Coenzyme A syn 1
DBI	3.4	4.0	NM_020548	diazepam binding inhibitor
B4GALT1	3.3	3.3	NM_001497	betaGlcNAc beta 1,4- galactosyltransferase
PHYH	3.1	4.4	NM_06214	phytanoyl-CoA hydroxylase
IDI1	3.1	2.7	NM_004508	isopentenyl-diphosphate delta isomerase
HELO1	3.0	3.2	NM_021814	long chain polyunsaturated FA elongation
UGDH	2.9	4.0	NM_003359	UDP-glucose dehydrogenase
FACL3	2.7	3.7	NM_004457	fatty-acid-Coenzyme A ligase, long-chain 3
DDC	-2.6	-4.1	NM_000790	dopa decarboxylase
<b>Proliferation/differentiation/apoptosis</b>				
MAF	14.7	16.6	NM_005360	v-maf fibrosarcoma oncogene homolog
NDRG1	13.7	14.8	NM_006096	N-myc downstream regulated
ELL2	11.8	6.3	NM_012081	RNA Polymerase II, elongation factor
GG2-1	4.9	5.1	NM_014350	TNF-induced protein
CDC14	3.0	3.1	NM_003671	cell division cycle 14 homolog B
B	2.5	3.5	NM_002166	inhibitor of differentiation 2
ID2	1.6	3.8	NM_018645	Hes6 neuronal differentiation gene ortholog
HES6	-3.4	-3.5	NM_001328	C-terminal binding protein 1
CTBP1	-3.6	-3.4	NM_001260	cyclin-dependent kinase 8
CDK8	-3.7	-5.1	NM_000465	BRCA1 associated RING domain 1
<b>Transport/trafficking</b>				
FKBP5	24.4	25.4	NM_004117	FK506 binding protein 5
UNC13	7.3	9.5	NM_006377	unc-13-like (C. elegans)
ABCC4	5.5	7.8	NM_005845	ATP-binding cassette, sub-family C
ANKH	5.3	6.3	NM_019847	ankylosis, progressive (mouse) homolog
KIAA1382	4.8	4.7	NM_018976	amino acid transporter 2
SNAP25	3.9	5.2	NM_003081	synaptosomal-associated protein, 25kD
APPBP2	3.2	3.0	NM_006380	amyloid beta precursor protein binding protein 2
AZGP1	3.3	5.6	NM_001185	alpha-2-glycoprotein 1, zinc
LMAN1	3.1	2.7	NM_005570	lectin, mannose-binding, 1
RAB4	3.0	2.3	NM_004578	member, Ras oncogene family
SRP19	3.0	2.3	NM_003135	signal recognition particle 19kD
SLC26A2	3.0	2.2	NM_000112	solute carrier family 26, member 2
SEC24D	3.0	2.6	NM_014822	SEC24 related gene family, member D
VAPA	2.7	4.0	NM_003574	vesicle-associated membrane protein-associated
SCNN1A	-3.2	-2.5	NM_001038	sodium channel, nonvoltage-gated 1 alpha
SLC29A	-5.1	-2.1	NM_004955	solute carrier family 29
<b>Transcription regulation</b>				
NKX3A	14.9	14.1	NM_006167	NK3 transcription factor homolog A (Drosophila)
PDEF	4.4	3.5	NM_012391	prostate epithelium-specific Ets transcription factor
RINZF	4.0	3.2	NM_023929	zinc finger protein RINZF
DDXB1	3.9	3.4	NM_016166	DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1
TSC22	3.5	5.4	NM_006022	TGF beta-stimulated protein TSC-22
MRF2-hom	2.8	3.7	XM_058394	modulator recognition factor 2 homolog
KLF4	2.3	3.0	NM_004235	Kruppel-like factor 4
MYC	-2.7	-2.8	NM_002467	v-myc myelocytomatosis viral oncogene homolog
<b>Protease/protease Inhibitor</b>				
TMPPRS2	15.5	18.3	NM_005656	transmembrane protease, serine 2
KLK2	8.8	9.0	NM_005551	kallikrein 2, prostatic
KLK3	7.9	10.2	NM_001648	kallikrein 3, prostate specific antigen
KLK4	3.7	4.6	NM_004917	kallikrein 4 (prostate, EMSP1)
CPD	2.6	4.9	NM_001304	carboxypeptidase D
SERPIN1	-3.5	-2.1	NM_005025	serine (or cysteine) proteinase inhibitor
<b>Signal transduction</b>				
LIFR	7.8	7.5	NM_002310	leukemia inhibitory factor receptor
IQGAP2	4.3	6.8	NM_006633	IQ motif GTPase activating protein 2
AGM1	3.7	4.2	NM_015599	N-acetylglucosamine-phosphate mutase
HOMER-2B	3.5	3.3	NM_004839	neuronal immediate early gene, 2
AKAP12	3.5	5.1	NM_005100	A kinase (PRKA) anchor protein (gravin) 12
TPD52	3.5	2.9	NM_005079	tumor protein D52
LIM	3.5	2.7	NM_006457	LIM protein
CAMKK2	3.3	1.9	NM_006549	ca/calmodulin kinase kinase 2, beta
PTPN21	3.0	4.0	NM_007039	protein tyrosine phosphatase, type 21
GUCY1A3	2.9	3.3	NM_000856	guanylate cyclase 1, soluble, alpha 3
INPP4B	2.3	4.6	NM_003866	inositol polyphosphate-4-phosphatase, type II
MERTK	2.3	3.4	Hs.117078	c-mer proto-oncogene tyrosine kinase
AKAP2	1.7	4.4	NM_007203	A kinase (PRKA) anchor protein 2
BCHE	-3.0	-4.9	NM_000055	butyrylcholinesterase
PRKCM	-3.0	-2.5	NM_002742	protein kinase C, mu
SDC4	-3.1	-2.7	NM_002999	syndecan 4
PEG3	-3.2	-4.0	Hs.139033	paternally expressed 3
TUSP	-3.5	-2.1	NM_020245	tubby super-family protein
PIK3R3	-3.8	-3.6	NM_003629	phosphoinositide-3-kinase, regulatory subunit
RDC1	-7.8	-4.5	XM_051522	G protein-coupled receptor
<b>Structure/motility/adhesion</b>				
KRT8	5.0	4.3	NM_002273	keratin 8
ADRM1	3.7	5.9	NM_007002	adhesion regulating molecule 1
ACTN1	3.6	2.9	NM_001102	actinin, alpha 1
ITGAV	3.1	3.0	NM_002210	integrin, alpha V,CD51
KRT19	3.1	3.6	NM_002276	keratin 19
H1FO	2.9	3.2	NM_007234	histone family, member 0
DCTN3	2.1	3.4	NM_005318	dynactin 3
MLCB	2.0	3.2	NM_006471	myosin, light polypeptide, regulatory
MMP16	-2.3	-3.3	NM_005941	matrix metalloproteinase 16
FN1	-2.5	-4.4	NM_002026	fibronectin 1
<b>Stress response</b>				
ORM1	5.3	8.1	NM_000608	orosomucoid 1
SEPP1	4.9	5.5	NM_005410	selenoprotein P, plasma, 1
GSR	4.5	3.1	NM_000637	glutathione reductase
SGK	4.4	2.4	NM_005627	serum/glucocorticoid regulated kinase
SPAK	4.0	4.9	NM_013233	Ste-20 related kinase
DNAJB9	4.0	3.6	NM_012328	DnaJ (Hsp40) homolog, subfamily B
<b>Other functions</b>				
TMEPA1	9.2	8.6	NM_020182	transmembrane, prostate androgen induced
B2M	7.6	7.8	NM_004048	beta-2-microglobulin
TCRG/TARP	5.2	5.5	NM_030806	T cell receptor gamma locus/ (TARP)
HERC3	5.1	6.6	NM_014606	hect domain and RLD 3
FLJ23153	5.0	4.6	NM_024636	TNF-alpha-induced adipose-related (ortholog)
ADAMTS	4.0	2.6	NM_006988	disintegrin-like metalloprotease
HS1-2	3.7	4.6	NM_007011	putative transmembrane protein
RBM10	3.3	2.9	NM_005676	RNA binding motif protein 10
UAP1	3.0	3.1	NM_003115	UDP-N-acetylglucosamine pyrophosphorylase
ST7	-2.7	-4.2	NM_018412	suppression of tumorigenicity 7
DPH2L1	-3.0	-4.4	NM_001383	diphtheria toxin resistance protein like 1