

Up-Regulated Genes (>3 fold)

Accession	Gene	Function	0.1nM Treatment				10nM Treatment			
			1hr	6hr	12hr	24hr	1hr	6hr	12hr	24hr
S39329	KLK2	protease (prostate specific)	1.0	3.5	6.9	19	1.0	21	62	111
HT2351	KLK3	protease (prostate specific)	-1.1	3.1	6.8	18	1.1	11	33	83
X07730	KLK3	protease (prostate specific)	-1.0	2.4	5.0	17	1.5	10	16	57
HT2352	KLK3	protease (prostate specific)	1.0	1.0	1.0	1.0	1.0	3.9	15	36
U80669	NKX3.1	transcription	1.0	5.0	6.1	1.8	3.6	4.6	20	8.6
D87953	NDRG1	ER stress response	-1.0	1.3	1.5	1.5	1.2	3.8	8.3	13
D12686	EIF4G1	translation	3.9	2.8	1.4	1.0	1.0	1.0	12	6.6
Z19002	ZNF145	transcription	1.0	3.1	4.4	2.6	1.0	9.1	10	7.6
D87452	KIAA0263	unknown	9.3	7.4	5.6	4.0	4.7	5.1	8.4	4.1
X02544	ORM1	immune response	1.0	1.0	1.0	1.0	1.0	1.0	5.9	8.4
U62531	SLC4A2	transporter	2.9	5.4	2.1	1.0	1.0	1.0	7.9	1.0
M31606	PHKG2	metabolic enzyme (glycogen)	1.9	6.5	4.4	3.4	1.0	1.0	7.6	7.5
U87972	IDH3B	energy conversion	4.0	1.0	1.0	1.0	7.1	1.6	1.0	1.0
X77567	INPP5A	signal transduction	1.0	1.0	1.0	1.0	6.6	4.4	1.4	1.0
J02947	SOD3	free radical scavenging enzyme	1.8	3.4	1.0	1.0	1.0	5.8	6.2	1.0
L29008	SORD	catabolic enzyme (sorbitol)	-1.4	-1.1	1.1	1.6	-1.2	1.5	2.6	5.4
S80437	FASN	catabolic enzyme (fatty acid)	1.2	1.3	1.4	1.2	1.2	1.2	2.7	5.2
D55716	MCM7	DNA replication and repair	5.0	5.0	3.2	1.0	1.0	2.7	4.6	1.0
U75276	TAF3B2	transcription	2.7	5.0	3.9	2.4	1.5	1.9	3.6	1.0
X90824	USF2	transcription	2.8	4.8	2.2	-2.1	1.1	2.3	3.0	-2.1
U46569	AQP5	channel	1.3	4.2	4.2	1.4	4.5	3.8	2.9	2.5
U02031	SREBP2	transcription (lipogenesis)	1.2	3.0	2.0	1.3	-2.9	-1.1	3.1	4.5
M28211	RAB4	exocytosis	1.4	1.7	2.2	1.5	1.5	2.7	4.5	3.8
M83667	CEBPD	transcription	1.0	1.2	2.7	1.6	3.1	4.4	2.9	1.0
U37408	CTBP1	transcription	2.8	2.5	1.3	1.3	4.4	3.5	-1.8	-5.2
S83365	Rab5-IP	exocytosis	1.0	2.4	1.0	1.0	1.0	1.0	4.4	3.7
D25215	HERC3	protein degradation	1.4	2.3	2.0	-1.3	1.0	3.4	4.3	3.4
X04828	GNAI2	signal transduction	2.7	4.2	3.3	1.0	1.0	1.0	3.2	1.0
HT3317	NDUFA9	energy conversion	1.5	1.5	2.3	1.0	1.0	1.0	4.1	1.0
U07919	ALDH6	metabolic enzyme (alcohol)	-1.0	1.2	2.1	2.4	1.1	2.7	3.7	4.0
J05448	POLR2C	transcription	2.1	3.5	3.7	1.0	1.0	1.0	4.0	1.0
L25270	SMCX	unknown	1.4	3.9	1.6	1.0	1.0	1.0	3.2	1.0
M55210	LAMC1	cell - ECM communication	1.3	1.7	2.4	1.3	1.4	2.5	3.9	2.7
X12433	EST	unknown	1.3	1.9	1.7	2.9	2.9	3.1	3.9	3.9
X99961	EST	unknown	1.0	1.0	1.0	1.0	1.0	1.0	3.9	3.0
L32976	MAP3K11	signal transduction	3.7	3.1	2.2	1.1	1.0	1.0	3.4	3.6
D78335	UMPK	RNA and DNA synthesis	1.1	-1.0	-1.0	-1.0	-1.0	-1.0	2.0	3.6
L28821	MAM2A2	catabolic enzyme (n-glycans)	3.6	2.5	2.5	1.0	1.0	1.0	2.7	1.0
D38583	S100A11	signal transduction	1.4	1.7	1.8	1.2	1.3	1.4	2.3	3.6
D83782	SCAP	protease (lipogenesis)	1.1	1.5	1.2	1.1	1.0	1.1	2.6	3.5
L22454	NRF1	transcription	1.1	-1.2	-1.2	-1.2	2.9	3.4	2.1	2.1
U71300	SNAPc3	transcription	2.0	2.1	3.4	1.9	1.6	1.8	2.1	1.1
U58658	EST	unknown	1.0	3.4	1.3	1.0	1.0	1.0	1.0	1.0
D31886	RAB3GAP	exocytosis	1.1	3.4	3.1	1.1	1.2	1.7	2.0	1.2
M24899	THRA2	transcription	3.3	3.2	2.1	1.0	1.0	1.0	1.2	1.0
U73167	HYAL3	metabolic enzyme (hyaluronic acid)	2.5	3.0	3.2	1.0	1.0	1.0	3.1	1.0
X61123	BTG1	cell cycle	1.0	2.1	2.3	1.8	1.5	2.0	3.2	2.0
L31573	SUOX	metabolic enzyme (sulfite)	1.5	3.1	2.5	1.5	1.8	2.0	3.2	2.3
U12778	ACADSB	metabolic enzyme (fatty acid)	1.6	1.9	3.1	2.1	1.7	2.2	1.6	1.2
U09877	SKIV2L	DNA replication and repair	3.1	2.4	1.6	1.0	1.0	1.0	1.4	1.0
X78338	ABCC1	transporter	-1.0	1.3	1.5	1.5	1.4	1.8	2.8	3.1
U76421	ADARB1	RNA-editing enzyme	1.3	2.0	2.6	1.3	2.4	2.6	3.1	2.4
D49490	PDIR	ER stress response	-6.0	-2.7	-1.4	1.2	-1.5	1.2	2.1	3.1
X99268	TWIST	transcription	1.3	1.0	1.0	1.0	1.0	1.7	3.0	2.8
L38933	EST	unknown	1.1	2.4	3.0	1.6	1.0	1.0	1.2	1.1
U53174	RAD9	DNA replication and repair	1.4	3.0	1.0	1.0	1.0	1.2	2.6	1.8

Down-Regulated Genes (<-3 fold)

Accession	Gene	Function	0.1nM Treatment				10nM Treatment			
			1hr	6hr	12hr	24hr	1hr	6hr	12hr	24hr
X90846	MAP3K10	signal transduction	-9.5	-9.5	-2.0	-1.9	-2.6	-2.7	-3.1	-1.4
Z25884	CLCN1	channel	-3.9	-3.9	-7.5	-7.5	-7.5	-7.5	-4.2	-1.5
U63743	KNSL6	cell cycle	-6.5	-2.6	-1.7	-1.4	-6.5	-6.5	-4.4	-3.4
HT3059	HLA-E	immune response	-1.8	-2.0	-2.6	-2.2	-2.0	-6.1	-3.4	-2.3
D49490	PDIR	ER stress response	-6.0	-2.7	-1.4	1.2	-1.5	1.2	2.1	3.1
U09414	ZNF137	transcription	-5.6	-2.5	-1.4	-1.0	-1.8	-1.7	-1.5	-1.5
D38437	PMS2L3	unknown	-5.3	-3.9	-1.3	-1.1	-1.1	-1.8	-3.2	-2.4
X63629	CDH3	cell - cell communication	-4.3	-5.3	-5.3	-3.0	-5.3	-5.3	-5.3	-1.6
U37408	CTBP1	transcription	2.8	2.5	1.3	1.3	4.4	3.5	-1.8	-5.2
U17217	MUC3A	extracellular matrix	-1.3	-1.8	-2.2	-1.4	-4.9	-4.1	-3.5	-1.2
X73113	MYBPC2	cytoskeleton	-4.9	-1.8	-1.5	-1.0	-1.1	-1.3	-1.6	-1.1
X55005	THRA1	transcription	-1.9	-3.0	-3.9	-2.7	-1.0	-4.3	-3.3	1.4
M15059	FCER2	immune response	-2.5	-4.1	-3.0	-1.1	-1.5	-1.9	-2.0	1.2
X14766	GABARA1	signal transduction	-2.1	-2.1	-2.5	-1.5	-1.7	-2.8	-4.0	-1.3
U17743	MAP2K4	signal transduction	-1.3	-1.4	-2.3	-1.4	-4.9	-4.1	1.2	1.6
U58130	SLC12A1	transporter	-2.4	-2.0	-1.7	-1.7	-1.4	-2.4	-3.8	1.2
X51804	EST	unknown	-3.8	1.0	1.0	1.1	1.1	1.7	1.1	-1.1
D64110	BTG3	cell cycle	-1.3	-1.1	1.0	1.1	-1.2	-1.3	-1.9	-3.7
HT3413	NF2	cytoskeleton (tumor suppressor)	-1.0	-3.1	2.7	-1.4	-1.1	-1.2	-2.6	1.5
M55422	H-pk	transcription	-3.7	-2.3	-1.4	1.1	-1.0	-1.1	-1.6	-2.7
L10338	SCN1B	channel	-3.1	-3.6	-2.4	-1.3	-1.3	-1.5	-2.5	-1.3
L20815	CDSN	extracellular matrix	-3.5	-2.0	-2.0	-1.7	-1.5	-2.5	-3.6	-1.9
X99101	ESR2	transcription	-2.2	-2.2	-3.4	-1.2	-1.1	-1.5	-3.5	1.3
M18737	GZMA	apoptosis	-3.4	-3.1	-1.9	1.4	-1.5	-2.0	-3.5	1.2
Z11899	POU5F1	transcription	-3.2	-3.4	-2.1	-1.3	-1.4	-2.2	-1.8	-1.4
S78187	CDC25B	cell cycle	-3.4	-2.0	-1.7	-1.4	-1.7	-1.7	-2.0	-1.6
S50017	CNP	RNA metabolism	-1.4	-1.6	-3.3	-1.5	-1.3	-2.1	-1.3	-1.0
U77413	OGT	ER stress response	1.1	1.5	1.8	1.3	1.4	1.4	1.2	-3.3
D38491	KIAA0117	unknown	-3.3	-2.1	1.2	1.4	1.4	1.2	1.1	-1.2
U11037	SEL1L	signal transduction	-3.3	-2.5	-2.0	-1.1	-1.4	-1.6	-3.0	-1.8
U59423	MADH1	signal transduction	1.3	1.2	1.1	-1.2	1.1	-1.3	-2.0	-3.2
M35878	IGFBP3	signal transduction	-1.9	-3.2	-1.2	-1.1	2.8	3.0	-1.0	-1.7
X94232	MAPRE2	cytoskeleton	1.2	-1.0	-1.1	-3.1	-1.0	-2.7	-3.2	-1.0
U03057	SNL	cytoskeleton	-1.2	-3.0	-1.3	-1.2	-1.2	-1.2	-3.2	1.1
M17754	BN51T	cell cycle	-1.4	-3.1	-2.0	-1.1	-3.1	-2.6	-1.2	2.1
D83646	MMP16	protease	-1.3	-1.0	1.1	1.2	-1.5	-2.0	-3.1	-1.8
M69197	HPR	immune response	-1.1	-1.4	-1.6	-1.2	-1.2	-1.3	-1.9	-3.1
M96859	DPP6	protease	-2.7	-1.9	-1.8	1.0	-1.6	-3.0	-3.0	-1.0
J00212	IFNA21	cytokine	-2.4	-2.6	-3.0	-1.2	-1.2	-1.5	-3.0	-1.2
L42374	PPP2R5B	signal transduction	-1.0	-1.2	-1.2	-1.1	-1.0	-1.3	-2.1	-3.0
D17532	DDX6	RNA helicase	-2.1	-3.0	-3.0	-1.9	-2.5	-2.5	-3.0	-1.4
Y08265	EST	unknown	-3.0	-2.6	-2.2	-1.3	-1.3	-1.5	-2.7	-1.2

Relative expression fold over control condition (0hr, no treatment) for 1hr, 6hr, 12hr, and 24hr of 0.1nM and 10nM R1881 treatments are shown with highest fold in **bold**.

Additional data for ARGs are found at

<http://www.cpd.org/LNCaP/GeneChip>