

Supplementary Table 1. Gene Expression Analysis of HeLa GFP-AR Cells Treated with DHT

Genes Down-regulated with DHT treatment					Genes Up-regulated with DHT treatment			
*IL6	FAM84B	IER3	DUSP16	DKFZp727	CDC20	ZA20D2	HIC2	HBA1
PHLDA1	GAS1	SLC38A2	HSPA1A	MCART1	*PGLS	ST3GAL1	PKP2	PLEKHF1
DKK1	*GATA2	NUAK1	USP49	TNFRSF12A	IFNGR1	FAM105A	MYLIP	KLF15
EFNA1	PAPPA	USP36	ACN9	ZNF14	STOM	CST3	FZD4	INHBB
GRAMD3	KRTHA4	STC2	PLEKHG3	*TOB1	KCTD3	IRS2	MT1A	*ZFP36
ANKRD1	*FOXA1	PTPLAD2	BTBD3	*PRKDC	ODC1	CBX4	MT1X	IGFL1
BHLHB2	RND3	ZBED1	C3orf28	TGFBR3	CDC42EP4	BLM	ZNF189	RASD1
NR4A2	DACT2	SLC25A25	CITED2	DDIT4	*UCP2	PDLIM1	SLITL2	*HBB
SERTAD4	*CYR61	ANKRD32	MCM8	TXNRD1	*LRP16	NT5DC3	ERN1	LOC51233
AXUD1	*RGS2	SERTAD2	C19orf21	LIMA1	GCHFR	ZFP36L1	UCK1	PGM2L1
ARID5B	STOX2	CTGF	SERTAD1	AVPI1	MPHOSPH10	HDHD3	ZFX	
ZNF331	*TAGLN	SV2B	LAMA1	ZDHHC11	STK35	C16orf44	*FOXO1A	
*ID1	*MYC	DUSP1	HSD17B7	C21orf55	RHOG	CD59	BCL6	
C12orf59	SMAD6	*TFAP2A	DKFZp43	GABAR	DYNLL2	ELL2	FOXC1	
ZNF20	ZXDB	STX11	*TPR	OLFM1	OKL38	RHOB	GP1BB	
ZNF702	CARF	*CXCR4	NFIL3	EIF3S10	GADD45A	BAG3	PDK4	
FAM46A	DUSP2	LRRC1	LOC221955	PIGA	*ELK1	NRIP1	IRX3	
MMP12	OLR1	ANKRD37	LOC58486	RPRM	ATP1A1	PYGB	PTGES	
C8orf4	TSC22D1	*DAB2	CENPF	GNG11	SLC16A3	TSC22D3	ERRF1	
SLC16A6	BMP2	ZNF223	DUSP4	CCDC14	S100A10	CITED4	ZNF114	
*ID3	THBS1	DUSP5	MGC14376	OLFM1	*CD83	KIAA1754	FLJ20366	
ARL5B	CDC42EP2	C9orf77	IL18	TM4SF1	CAB39	NET1	CDKN1C	
CDH5	PPP1R15A	PHLDB2	TUFT1	*LDLR	CEBPB	INPP1	LOC126295	
SNAI2	BAMBI	FAT	USP9X	A2M	ZNF696	SOX18	RHOU	
EPHA2	ACTG2	*AHR	STAMBPL1	RABGAP1	CXADR	*PIM1	SPSB1	
SGK	SLC2A3	KRT17	SRRM2	LOC441087	TAF5L	MT2A	BAIAP2	
FAM80B	LHX4	*HDAC4	*TGIF	HES4	PPP3CC	SH3TC1	F2RL1	

Gene expression in HeLa GFP-AR stable cell line was performed using Illumina Genome Wide Beadchip analysis with direct hybridization. RNA was isolated from either untreated cells or cells treated with 100 nM DHT for 2 hours. Approximately 8300 expressed genes were identified and of those, 125 transcripts were significantly down-regulated ($p < 0.01$) and 91 transcripts were significantly up-regulated ($p < 0.01$). Of these transcripts, a number have been previously described in literature in association with androgen treatment and are indicated in bold and asterisks. These results suggest that although the HeLa cell line does not endogenous express AR, proteins necessary for AR regulation of gene expression are present.