

**Supplemental Table 5: Non-Gentropic Androgen Mediated Signaling T47D cells**

Molecule	Gene Symbol	Entrez Gene ID	Uniprot ID	Probe Set ID	Gene Title	Fold change [TESTOBSA] vs [ctr]
akt1	AKT1	207	P31749	207163_s_at	v-akt murine thymoma viral oncogene homolog 1	1.5837299
ar	AR	367	P10275	211621_at	androgen receptor	1.009531
	AR			211110_s_at	androgen receptor	1.2745298
creb1	CREB1	1385	P16220	225572_at	cAMP responsive element binding protein 1	-1.2900627
	CREB1			237289_at	cAMP responsive element binding protein 1	-1.1859214
	CREB1			204314_s_at	cAMP responsive element binding protein 1	1.0233904
	CREB1			204313_s_at	cAMP responsive element binding protein 1	1.068598
	CREB1			214513_s_at	cAMP responsive element binding protein 1	1.2010753
	CREB1			204312_x_at	cAMP responsive element binding protein 1	1.2107135
	CREB1			225565_at	cAMP responsive element binding protein 1	1.266063
fos	FOS	2353	P01100	209189_at	v-fos FBJ murine osteosarcoma viral oncogene homolog	-1.0295045
gnrh	GNRH1	2796	P01148	207987_s_at	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)	1.0070043
	GNRH1			235540_at	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)	1.28199
erk2	MAPK1	5594	P28482	229847_at	Mitogen-activated protein kinase 1	-1.2273855
	MAPK1			224621_at	mitogen-activated protein kinase 1	-1.1163701
	MAPK1			224620_at	Mitogen-activated protein kinase 1	-1.0671715
	MAPK1			1552263_at	mitogen-activated protein kinase 1	-1.0059661
	MAPK1			212271_at	mitogen-activated protein kinase 1	1.1098728
	MAPK1			1552264_a_at	mitogen-activated protein kinase 1	1.19231
	MAPK1			208351_s_at	mitogen-activated protein kinase 1	1.3993459
fak1	PTK2	5747	Q05397	1559529_at	PTK2 protein tyrosine kinase 2	-1.1903038
	PTK2			241453_at	PTK2 protein tyrosine kinase 2	-1.0420265
	PTK2			208820_at	PTK2 protein tyrosine kinase 2	1.0085925
	PTK2			207821_s_at	PTK2 protein tyrosine kinase 2	1.3039149
raf1	RAF1	5894	P04049	1557675_at	V-raf-1 murine leukemia viral oncogene homolog 1	-1.0982606

	RAF1			201244_s_at	v-raf-1 murine leukemia viral oncogene homolog 1	1.082753
shbg	SHBG	6462	P04278	215689_s_at	sex hormone-binding globulin	-1.374677
src	SRC	6714	P12931	221284_s_at	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	-1.2063886
	SRC			1558210_at	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	-1.1171027
	SRC			1565082_x_at	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	-1.0399226
	SRC			1558211_s_at	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	-1.0214592
	SRC			1565080_at	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	-1.0178486
	SRC			221281_at	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	1.1374153
	SRC			213324_at	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	1.2910686
pelp1	PELP1	27043	Q8IZL8	215354_s_at	proline, glutamate and leucine rich protein 1	-1.0241159