

Nickols *et al.* 10.1073/pnas.0704217104.

Supporting Information

Files in this Data Supplement:

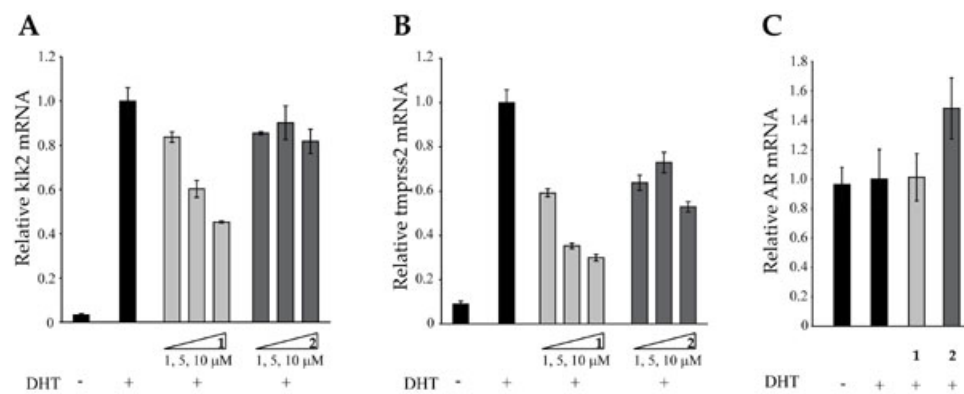
[SI Figure 5](#)[SI Table 3](#)[SI Table 4](#)

Fig. 5. Measurement of KLK2, TMPRSS2, and AR mRNA. DHT induction of KLK2 mRNA (A) and TMPRSS2 mRNA (B) in the presence of 1 and 2 and bicalutamide, B, measured by quantitative real-time PCR. (C) Measurement of AR mRNA by quantitative real-time PCR. Polyamide concentrations are 10 μM.

Table 3. Transcripts induced ≥ 4 -fold ($P \leq 0.01$) by DHT

Name	GenBank accession no.	Fold change	<i>P</i> value
FLJ23153	AA650281	-100.0	0.000
ORM1	NM_000607	-95.9	0.000
ORM1	NM_000607	-43.4	0.000
FKBP5	NM_004117	-42.9	0.000
FLJ39502	NM_173648.1	-35.5	0.000
HPGD	AL574184	-27.2	0.000
MAK	NM_005906	-24.0	0.000
KLK2	AF188747	-23.0	0.000
HPGD	J05594	-21.3	0.000
DKFZp761P0423	BF739767	-21.0	0.000
MAF	NM_005360	-19.4	0.000
ORM2	NM_000608	-18.4	0.000

FLJ11937	NM_022765	-17.2	0.000
FKBP5	W86302	-17.2	0.000
FLJ11264	NM_018371	-15.4	0.000
AKAP12	AB003476	-15.4	0.000
WBSCR5	AF257135	-14.7	0.000
SLC41A1	AW439816	-14.6	0.000
SLC15A2	BF223679	-13.9	0.000
PIK3AP1	AW575754	-13.6	0.000
FKBP5	AI753747	-13.6	0.000
SLUG	AI572079	-13.4	0.000
SLC26A3	NM_000111	-13.1	0.000
KLK2	BC005196	-13.0	0.000
SLC2A3	NM_006931	-13.0	0.000
KLK2	AA595465	-12.7	0.000
BM040	NM_018456	-12.7	0.000
SGK	NM_005627	-12.7	0.000
230577_at	AW014022	-12.4	0.000
242391_at	AW052176	-11.8	0.000
HPGD	NM_000860	-11.4	0.000
CEP3	AI754416	-11.3	0.000
MAF	AF055376	-10.9	0.000
KIAA0056	AI796581	-10.2	0.000
SPOCK	AF231124	-10.1	0.000
MYBPC1	BF593509	-10.0	0.000
EMP1	NM_001423	-9.8	0.000
TRG@	M27331	-9.8	0.000

GNMT	AF101477	-9.6	0.000
HSY11339	Y11339	-9.5	0.000
MAF	BE674528	-9.4	0.000
KIAA1145	BG177562	-9.4	0.000
244650_at	AA581439	-9.2	0.000
TRG@	M16768	-9.1	0.000
F5	NM_000130	-9.1	0.000
HPGD	U63296	-9.0	0.000
TRGC2	M13231	-8.9	0.000
IGF1R	H05812	-8.8	0.001
NAT3	NM_018018	-8.6	0.000
PNLIP	NM_000936	-8.5	0.000
PLEC1	NM_000445	-8.5	0.003
KIAA0869	AK001727	-8.5	0.000
MGC18216	AL044092	-8.4	0.000
LIFR	AW592684	-8.3	0.000
NDRG1	NM_006096	-8.2	0.000
FAM105A	AF052146	-8.0	0.000
LIFR	NM_002310	-7.8	0.000
ERN1	AW194689	-7.6	0.000
FLJ11127	NM_019018	-7.5	0.000
MOGAT2	AK000245	-7.4	0.000
CEP3	AI801777	-7.2	0.000
TMCC3	N51717	-7.1	0.000
DKFZP434B0335	BF513674	-7.1	0.000
LIFR	AI680541	-7.0	0.000
LAMA1	AI990816	-6.9	0.000

228559_at	BF111626	-6.9	0.000
BCAP29	N57499	-6.9	0.000
NNT	U40490	-6.9	0.000
PTPRN2	NM_002847	-6.8	0.000
CTNNA2	NM_004389	-6.8	0.000
LRRFIP2	AW137053	-6.8	0.000
FLJ11278	NM_018378	-6.7	0.000
AFF3	AW085505	-6.7	0.000
MGC13102	BC005094	-6.7	0.000
PDEF	AI435670	-6.6	0.000
TRG@	M30894	-6.6	0.000
CECR6	AF307451	-6.6	0.000
TMEPAI	AL035541	-6.6	0.000
FLJ10055	NM_017983	-6.5	0.000
LOC401623	AI743452	-6.5	0.000
SLC2A3	AI631159	-6.5	0.001
235445_at	BF965166	-6.4	0.000
KIAA1330	AB037751	-6.4	0.001
PCDH1	NM_002587	-6.4	0.000
STAT12	NM_003877	-6.3	0.000
TMPRSS2	AI660243	-6.2	0.000
FER1L3	NM_013451	-6.2	0.000
PRKCA	AI471375	-6.1	0.000
KLK3	U17040	-6.1	0.000
SMPD2	NM_003080	-6.1	0.009
MPHOSPH9	X98258	-6.0	0.000
TBX15	AI039005	-6.0	0.000

IGF1R	AI830698	-5.9	0.000
ELL2	NM_012081	-5.9	0.000
TRPM8	AI272941	-5.9	0.000
DSC1	NM_004948	-5.9	0.000
CRIP2	U36190	-5.8	0.000
TMEPAI	NM_020182	-5.8	0.000
FLJ23563	AW138767	-5.8	0.000
KIAA1001	AW052084	-5.7	0.000
BM039	AK023669	-5.7	0.000
STAT12	AB004903	-5.7	0.000
TMEPAI	AL035541	-5.6	0.000
KLK3	NM_001648	-5.6	0.000
POV1	NM_003627	-5.5	0.000
CNKSR2	AI670947	-5.5	0.000
STK17B	N51102	-5.5	0.000
232397_at	R14890	-5.5	0.000
ATRNL1	BC035157.1	-5.5	0.001
HAK	AI741514	-5.4	0.003
ANKH	NM_019847	-5.4	0.000
LOC144481	AK054607	-5.4	0.000
FER1L3	AF207990	-5.3	0.000
ANK1	NM_020479	-5.3	0.001
FLJ23153	NM_024636	-5.2	0.000
PER1	NM_002616	-5.2	0.000
230782_at	AV699883	-5.2	0.000
ALAS2	Z83821	-5.1	0.000

FLJ20624	NM_017906	-5.1	0.000
TMPRSS2	AF270487	-5.1	0.000
RAB3B	BC005035	-5.0	0.000
dJ646B12.1,dJ646B12.2	AL096776	-5.0	0.000
238975_at	AI671390	-5.0	0.006
PPFIBP2	AI692180	-4.9	0.000
MAP3K10	NM_002446	-4.9	0.002
LIFR	AA701657	-4.9	0.000
PHLDB2	AK025444	-4.9	0.000
KRT19	NM_002276	-4.9	0.000
MAF	BF508646	-4.9	0.001
C1orf21	NM_030806	-4.8	0.000
KRT8	AL024458	-4.8	0.000
MGC4827	NM_024114	-4.8	0.000
PTGER4	AA897516	-4.8	0.000
230710_at	W05495	-4.7	0.000
1556185_a_at	BC035072.1	-4.7	0.000
DKFZP434B044	AL136861	-4.7	0.000
TBC1D1	BC028196.1	-4.7	0.000
ALDH4A1	NM_003748	-4.7	0.000
DGCR14	AL137713	-4.7	0.003
CSRP2	NM_001321	-4.7	0.000
KIAA0194	D83778	-4.6	0.000
FLJ11200	AA886870	-4.6	0.000
GG2-1	BC005352	-4.6	0.000
GG2-1	NM_014350	-4.6	0.000
TMPRSS2	NM_005656	-4.6	0.000

ABCC1	NM_004996	-4.5	0.000
C1orf21	AI159874	-4.5	0.000
ABCC4	NM_005845	-4.5	0.000
IGF1	AI972496	-4.5	0.000
BMPR1B	D89675	-4.5	0.004
ADH1C	NM_000669	-4.5	0.004
SLC16A6,LOC440459	AI873273	-4.5	0.000
RAB3B	AU156710	-4.5	0.000
PIG11	NM_006034	-4.5	0.002
KIAA0575	NM_014668	-4.5	0.000
241950_at	BG034847	-4.4	0.007
LOC221981	R33964	-4.4	0.001
KCNMA1	AI129381	-4.4	0.000
CAMKK2	AA181179	-4.4	0.000
SEC14L2	NM_012429	-4.4	0.000
FZD5	NM_003468	-4.4	0.010
OACT2	AI761250	-4.4	0.000
LIG1	AB050468	-4.4	0.000
F5	AA910306	-4.4	0.004
LOC90268	AA723152	-4.4	0.000
bK215D11.1,bK215D11.2,bK215D11.3	AL034417	-4.4	0.000
ABCC4	AI248055	-4.4	0.000
FACL3	D89053	-4.4	0.000
KIAA1921	BE465475	-4.3	0.000
PDEF	NM_012391	-4.3	0.000
ELL2	AI745624	-4.3	0.000
WRCH-1	AB051826	-4.2	0.000

C1orf21	AL563236	-4.2	0.000
RFXDC1	NM_173560.1	-4.2	0.000
KCNMA1	U11058	-4.2	0.000
KLF5	AF132818	-4.2	0.000
ZNF145	NM_006006	-4.2	0.000
ELL2	AI924426	-4.2	0.000
CXCR4	AJ224869	-4.2	0.000
MGC13102	AW090182	-4.2	0.000
LIN-7B	NM_022165	-4.1	0.000
DKFZP434E2135	NM_030804	-4.1	0.000
ACY1L2	AI654133	-4.1	0.001
PGC	NM_002630	-4.1	0.000
HOMER-2B	Y19026	-4.1	0.000
SLC2A3	BE550486	-4.1	0.000
UCHL1	NM_004181	-4.1	0.001
OACT2	W63676	-4.1	0.000
FACL3	NM_004457	-4.1	0.000
MAF	AA442149	-4.1	0.006
SEC14L2	R49343	-4.1	0.002
229814_at	BG149337	-4.0	0.000
ABHD2	AI832249	-4.0	0.002
FAM13C1	BC036453.1	-4.0	0.000
TBC1D1	BE882538	-4.0	0.000
NAT3	AF193836	-4.0	0.000
FLJ10350	NM_018067	-4.0	0.000
CEP2	W81196	-4.0	0.003

AZGP1	D90427	-4.0	0.000
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Fold change is expressed as DHT noninduced compared to DHT-induced.

Table 4. Transcripts inhibited ≥ 2 -fold ($P \leq 0.01$) by polyamide 1 that are also induced ≥ 4 -fold ($P \leq 0.01$) by DHT

Name	GenBank accession no.	Fold change	<i>P</i> value
ANKH	NM_019847	-7.3	0.000
FLJ11264	NM_018371	-6.6	0.000
KCNMA1	U11058	-6.3	0.000
FER1L3	NM_013451	-6.2	0.000
AKAP12	AB003476	-5.7	0.000
ORM2	NM_000608	-5.6	0.000
TMCC3	N51717	-5.4	0.000
FER1L3	AF207990	-5.2	0.000
KCNMA1	AI129381	-5.1	0.000
PRKCA	AI471375	-5.1	0.000
LOC144481	AK054607	-5.1	0.000
PTPRN2	NM_002847	-4.8	0.000
AFF3	AW085505	-4.8	0.000
ORM1	NM_000607	-4.5	0.000
SPOCK	AF231124	-4.4	0.000
BMPR1B	D89675	-4.3	0.001
TRG@	M16768	-4.2	0.000
C1orf21	NM_030806	-4.2	0.000
TRGC2	M13231	-4.1	0.000
LOC221981	R33964	-3.9	0.000
TRG@	M27331	-3.8	0.000

RFXDC1	NM_173560.1	-3.8	0.000
CRIP2	U36190	-3.8	0.000
ORM1	NM_000607	-3.7	0.000
ANK1	NM_020479	-3.5	0.010
C1orf21	AI159874	-3.5	0.000
KLK3	NM_001648	-3.5	0.000
KLK3	U17040	-3.3	0.000
MGC18216	AL044092	-3.3	0.000
FLJ23153	AA650281	-3.3	0.000
230710_at	W05495	-3.1	0.000
TRG@	M30894	-3.1	0.000
C1orf21	AL563236	-3.1	0.000
KIAA0869	AK001727	-3.1	0.000
ABCC4	AI248055	-3.0	0.000
DKFZP434B044	AL136861	-2.9	0.000
KIAA1145	BG177562	-2.9	0.000
242391_at	AW052176	-2.8	0.000
STAT12	NM_003877	-2.8	0.000
ELL2	AI745624	-2.7	0.000
FAM13C1	BC036453.1	-2.7	0.000
KIAA1921	BE465475	-2.7	0.000
NDRG1	NM_006096	-2.7	0.000
SLC26A3	NM_000111	-2.6	0.000
TRPM8	AI272941	-2.6	0.000
STAT12	AB004903	-2.5	0.000
MAK	NM_005906	-2.5	0.000
MGC4827	NM_024114	-2.5	0.000

PHLDB2	AK025444	-2.5	0.000
1556185_a_at	BC035072.1	-2.4	0.000
KLK2	AF188747	-2.4	0.000
RAB3B	AU156710	-2.4	0.000
CNKSR2	AI670947	-2.4	0.002
TMPRSS2	AI660243	-2.3	0.000
230782_at	AV699883	-2.3	0.000
TMPRSS2	AF270487	-2.3	0.000
KLK2	BC005196	-2.3	0.000
LIN-7B	NM_022165	-2.3	0.000
SLC15A2	BF223679	-2.3	0.000
MPHOSPH9	X98258	-2.2	0.000
KLK2	AA595465	-2.2	0.000
LIFR	AI680541	-2.2	0.000
TMPRSS2	NM_005656	-2.2	0.000
TBX15	AI039005	-2.1	0.000
DKFZP434B0335	BF513674	-2.1	0.000
SLC41A1	AW439816	-2.1	0.000
FAM105A	AF052146	-2.1	0.001
AZGP1	D90427	-2.1	0.000
MAF	NM_005360	-2.1	0.000
STK17B	N51102	-2.0	0.000