

Gene	Unigene ID	Accession	Gene	Unigene ID	Accession
TCFL4	Hs.78185	NM_013383	C5orf3	Hs.166551	NM_018691
NCBP2	Hs.240770	NM_007362	PKD1	Hs.75813	NM_000296
MYBPC3	Hs.258742	NM_000256	ALKBH	Hs.54418	NM_006020
CA6	Hs.100322	NM_001215	MAPK1	Hs.324473	NM_002745
KIAA0275	Hs.74583	NM_014767	BIN1	Hs.193163	NM_004305
HMGN1	Hs.251064	NM_004965	LOC51194	Hs.13109	NM_016338
AMID	Hs.117062	NM_032797	P2RXL1	Hs.113275	NM_005446
NEU4	Hs.302024	NM_080741	RPL10A	Hs.76067	NM_007104
TSP-NY	Hs.97643	NM_032573	PEA15	Hs.194673	NM_003768
USP2	Hs.125902	NM_004205	EML2	Hs.24178	NM_012155
UMPK	Hs.95734	NM_012474	OAZ1	Hs.283767	NM_004152
MMP28	Hs.231958	NM_024302	MSL3L1	Hs.88764	NM_006800
Enah	Hs.241471	NM_016337	SPG4	Hs.26334	NM_014946
DYRK3	Hs.38018	NM_003582	FLJ12528	Hs.288974	NM_025150
INPP1	Hs.32309	NM_002194	PDPK1	Hs.154729	NM_002613
SKD3	Hs.21263	NM_030813	PSME3	Hs.152978	NM_005789
RPL3	Hs.119598	NM_000967	L3MBTL2	Hs.265327	NM_031488
JTB	Hs.323093	NM_006694	BRAP	Hs.122764	NM_006768
BMP7	Hs.170195	NM_001719	GRP58	Hs.13751	AI807482
FOXP3	Hs.247700	NM_014009	RGS16	Hs.183601	NM_002928
TCF3	Hs.101047	NM_003200			

**Supplementary Table 1:** List of 41 default control genes used in these studies.

## FKHR Class I Target Genes

Symbol	Unigene ID	Accession
ALDH8A1	Hs.18443	NM_022568
BTG1	Hs.77054	NM_001731
C8orf1	Hs.40539	NM_004337
CP	Hs.296634	NM_000096
DAF	Hs.1369	NM_000574
DHODH	Hs.94925	NM_001361
EPS8	Hs.2132	NM_004447
GAB1	Hs.239706	NM_002039
GCA	Hs.79381	NM_012198
GPR49	Hs.166705	NM_003667
GUCY1A3	Hs.75295	NM_000856
HDLBP	Hs.177516	NM_005336
IGFBP1	Hs.102122	NM_000596
LUM	Hs.79914	NM_002345
MAP3K6	Hs.194694	NM_004672
MYO6	Hs.118483	NM_004999
RTN3	Hs.252831	NM_006054
SEMA3C	Hs.171921	NM_006379
SOX4	Hs.83484	NM_003107
ZNF187	Hs.237786	NM_152736

## FKHR Class IIA Target Genes

Symbol	Unigene ID	Accession
CNR1	Hs.75110	NM_001840
PA26	Hs.14125	NM_014454
FZD4	Hs.19545	NM_012193
KLHL4	Hs.49075	NM_019117
TCF4	Hs.326198	NM_003199
TGFBR3	Hs.342874	NM_003243
TPST1	Hs.421194	NM_003596
SMARCB1	Hs.159971	NM_003073
IGFBP7	Hs.119206	NM_001553
MBNL2	Hs.283609	NM_005757
DDB1	Hs.108327	NM_001923
BHC80	Hs.106826	NM_016621
BCL6	Hs.155024	NM_001706

## FKHR Class IIB Target Genes

Symbol	Unigene ID	Accession
BCMP1	Hs.8769	NM_031442
PLEKHB2	Hs.246885	NM_017958
3PAP	Hs.93872	NM_019061
NCOA1	Hs.74002	NM_003743
RPGR	Hs.153614	NM_000328
ID1	Hs.75424	NM_002165
LOC83693	Hs.171937	NM_031463
FKBP5	Hs.7557	NM_004117
TUBB1	Hs.303023	NM_030773
SLC11A2	Hs.57435	NM_000617
ATRN	Hs.194019	NM_012070
GLUL	Hs.170171	NM_002065
SLC5A3	Hs.324787	NM_006933
MMP7	Hs.2256	NM_002423
PTPRC	Hs.170121	NM_002838
MSL3L1	Hs.88764	NM_006800
STAT2	Hs.72988	NM_005419
OSBPL3	Hs.197955	NM_015550
MXI1	Hs.118630	NM_005962
FKBP1B	Hs.77643	NM_004116
ARG2	Hs.172851	NM_001172
MRPS6	Hs.424751	NM_032476
TP53INP1	Hs.75497	NM_033285
MGC2541	Hs.173103	NM_080670
SRPX	Hs.15154	NM_006307
SYT13	Hs.12365	NM_020826

## FKHR Class III Target Genes

Symbol	Unigene ID	Accession
EEG1	Hs.274453	NM_017611
PCNA	Hs.78996	NM_002592
DDX31	Hs.69331	NM_022779
JTV1	Hs.301613	NM_006303
NCL	Hs.79110	NM_005381
APOC4	Hs.110675	NM_001646
FREQ	Hs.301760	NM_014286
CDK4	Hs.95577	NM_000075
SLC16A3	Hs.323477	NM_004207
CCND1	Hs.82932	NM_001758
SCAND1	Hs.274411	NM_016558
IFRD2	Hs.315177	NM_006764
FHOD1	Hs.95231	NM_013241
KIAA0664	Hs.22616	NM_015229
CCND2	Hs.75586	NM_001759
P37NB	Hs.155545	NM_005824
IGFBP3	Hs.77326	NM_000598
VAMP2	Hs.25348	NM_014232
TNFSF7	Hs.99899	NM_001252
CCNE2	Hs.30464	NM_004702
CDC45L	Hs.114311	NM_003504
STK12	Hs.180655	NM_004217
EREG	Hs.115263	NM_001432
MCM6	Hs.155462	NM_005915

**Supplementary Table 2:** FKHR target genes from Ramaswamy et al.

Conserved Transcription Factor Binding Sites - CONSOLIDATED

TFBSs	mean	stderr	FKHR Class I genes																					
			SOX4	GUCY1A3	DHODH	RTN3	CP	BTG1	ALDH8A1	HDLBP	MAP3K6	DAF	MYO6	IGFBP1	C8orf1	GCA	GPR49	ZNF187	EPS8	SEMA3C	LUM			
CAAT	CAAT	1.6	0.53	7	0	0	0	2	1	2	0	0	2	0	0	0	1	0	0	8	0	1	2	1
HFH8	FOXF1	0.9	0.26	1	0	0	0	1	1	3	0	0	0	0	0	3	0	0	2	0	0	0	2	2
HFH3	FOXJ1	2.1	0.64	3	0	0	0	4	5	5	0	0	0	0	0	3	0	0	9	0	0	0	3	2
FOXJ2	FOXJ2	1.5	0.46	3	0	0	0	1	2	6	0	0	0	0	0	4	0	0	6	0	0	0	3	2
FOXO4	FOXO4	2.2	0.68	5	0	0	0	5	2	8	0	0	0	0	0	5	0	1	10	0	0	0	5	2
GFH1	GFH1	1.95	0.72	10	0	0	0	3	0	2	0	0	0	0	0	1	0	1	9	0	0	0	7	1
LPOLYA	LPOLYA	0.85	0.39	3	0	0	0	1	2	0	0	0	1	0	0	0	0	0	7	0	0	0	0	0
NFY	NFY	1.5	0.48	9	0	0	0	3	2	2	0	0	0	0	0	0	0	0	4	0	0	2	2	2
S8	S8 HOX	1.45	0.67	3	0	0	0	1	2	0	0	0	0	0	0	0	0	0	12	0	0	0	4	0
SOX9	SOX9	0.8	0.26	3	0	0	0	1	1	2	0	0	0	0	0	1	0	1	4	0	0	0	1	0

Conserved Transcription Factor Binding Sites - CONSOLIDATED

TFBSs	mean	stderr	Control Genes																					
			TCFL4	NCBP2	MYBPC3	CA6	KIAA0275	HMGNI	AMID	NEU4	TSP-NY	USP2	UMPK	MMP28	Enah	DYRK3	INPP1	SKD3	RPL3	JTB	BMP7			
CAAT	CAAT	0.56	0.16	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
HFH8	FOXF1	0.37	0.13	1	0	0	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1
HFH3	FOXJ1	0.66	0.27	1	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	9
FOXJ2	FOXJ2	0.37	0.15	1	0	0	0	2	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	5
FOXO4	FOXO4	0.76	0.33	2	0	0	0	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	12
GFH1	GFH1	0.54	0.26	0	1	0	0	2	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	10
LPOLYA	LPOLYA	0.05	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NFY	NFY	0.71	0.25	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	8
S8	S8 HOX	0.32	0.19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
SOX9	SOX9	0.29	0.1	1	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2

TFBSs	mean diff	p value	
CAAT	CAAT	1.04	0.049
HFH8	FOXF1	0.53	0.037
HFH3	FOXJ1	1.44	0.028
FOXJ2	FOXJ2	1.13	0.015
FOXO4	FOXO4	1.44	0.016
GFH1	GFH1	1.41	0.041
LPOLYA	LPOLYA	0.8	0.005
NFY	NFY	0.79	0.046
S8	S8 HOX	1.13	0.03
SOX9	SOX9	0.51	0.047

Supplementary Table 3: CONFAC Tables for TFBSs Significantly enriched in FKHR Class I Genes vs. Control Genes



Symbol	Unigene	Accession
CYR61	Hs.8867	NM_001554
ATF3	Hs.460	NM_001674
EGR1	Hs.326035	NM_001964
DUSP5	Hs.2128	NM_004419
LIF	Hs.2250	NM_002309
FOSB	Hs.75678	NM_006732
NFKBIE	Hs.182885	NM_004556
IRF1	Hs.80645	NM_002198
CCL20	Hs.75498	NM_004591
NR4A1	Hs.1119	NM_002135
CXCL10	Hs.2248	NM_001565
TNFAIP3	Hs.211600	NM_006290
EPHA2	Hs.171596	NM_004431
CXCL2	Hs.75765	NM_002089
SDC4	Hs.252189	NM_002999
ADA	Hs.1217	NM_000022
NFKBIA	Hs.81328	NM_020529
CXCL3	Hs.89690	NM_002090
MAIL	Hs.301183	NM_031419
DTR	Hs.799	NM_001945
COPEB	Hs.285313	NM_001300

**Supplementary Table 4:** TNF target genes from Zeng et al.

<i>Factor</i>	<i>P-Value</i>	<i>Factor</i>	<i>P-Value</i>
CREL	1.40E-06	FOXA1	0.005
NFKAPPAB65	3.00E-06	SRF	0.007
NFKB	1.00E-05	TATA	0.007
NFKAPPAB	4.50E-05	FOXJ1	0.008
CEBPDELTA	1.00E-04	E47	0.009
NFKAPPAB50	1.10E-04	NRF2	0.011
ETS2	3.20E-04	FOXO4	0.02
ETS1	0.001	CAAT	0.021
FOXA2	0.001	TFIIH	0.022
AP1	0.001	OCT1 HOX	0.022
MTATA	0.001	SREBP1	0.026
IK1	0.001	AREB6	0.033
MAZ	0.001	FOXJ2	0.042
CETS168	0.002	HAND1E47	0.043
GFI1	0.002	AML	0.043
CETS1P54	0.003	GATA1	0.044

**Supplementary Table 5:** p-values of TFBSs enriched in TNF target genes.

Symbol	Unigene	Accession
CYR61	Hs.8867	NM_001554
ATF3	Hs.460	NM_001674
EGR1	Hs.326035	NM_001964
DUSP5	Hs.2128	NM_004419
LIF	Hs.2250	NM_002309
FOSB	Hs.75678	NM_006732
NFKBIE	Hs.182885	NM_004556
IRF1	Hs.80645	NM_002198
CCL20	Hs.75498	NM_004591
NR4A1	Hs.1119	NM_002135
CXCL10	Hs.2248	NM_001565
TNFAIP3	Hs.211600	NM_006290
EPHA2	Hs.171596	NM_004431
CXCL2	Hs.75765	NM_002089
SDC4	Hs.252189	NM_002999
ADA	Hs.1217	NM_000022
NFKBIA	Hs.81328	NM_020529
CXCL3	Hs.89690	NM_002090
MAIL	Hs.301183	NM_031419
DTR	Hs.799	NM_001945
COPEB	Hs.285313	NM_001300

**Supplementary Table 6:** NF $\kappa$ B target genes from Hinz et al.

Symbol	Unigene ID	Accession
INS	Hs.89832	NM_000207
KLF5	Hs.84728	NM_001730
AK3	Hs.274691	NM_013410
LGALS4	Hs.5302	NM_006149
EPHX1	Hs.89649	NM_000120
CEACAM5	Hs.220529	NM_004363
TM4SF3	Hs.84072	NM_004616
KRT19	Hs.182265	NM_002276
ANXA2	Hs.217493	NM_004039
MSX1	Hs.424414	NM_002448
S100A11	Hs.417004	NM_005620
MUC1	Hs.89603	NM_002456
EFNA1	Hs.399713	NM_004428
S100A13	Hs.432009	NM_005979
MYL9	Hs.9615	NM_006097
WFDC2	Hs.2719	NM_006103
ELF3	Hs.166096	NM_004433
PSME2	Hs.433810	NM_002818
NPC2	Hs.433222	NM_006432
RCN1	Hs.167791	NM_002901
CCND1	Hs.82932	NM_001758
MGC5560	Hs.207251	NM_019054
COL1A2	Hs.179573	NM_000089
CYC1	Hs.289271	NM_001916
KRT8	Hs.242463	NM_002273
BF	Hs.69771	NM_001710
IER3	Hs.76095	NM_003897
SLPI	Hs.251754	NM_003064
LUM	Hs.79914	NM_002345
S100A10	Hs.400250	NM_002966
KRT18	Hs.406013	NM_000224

**Supplementary Table 7:** Cyclin D1 target genes from Lamb et al.



Gene	Unigene ID	Accession
LIM	Hs.154103	NM_006457
SOX4	Hs.83484	NM_003107
RCL	Hs.109752	NM_006443
NME1	Hs.118638	NM_000269
UAP1	Hs.21293	NM_003115
POLD2	Hs.74598	NM_006230
HDLBP	Hs.177516	NM_005336
APRT	Hs.28914	NM_000485
DKFZP564B167	Hs.76285	NM_015415
PRSS8	Hs.75799	NM_002773
ODC1	Hs.75212	NM_002539
EBNA1BP2	Hs.346868	NM_006824
FAAH	Hs.288828	NM_001441
MYC	Hs.79070	NM_002467
HPN	Hs.823	NM_002151
LIG3	Hs.100299	NM_002311
TFF3	Hs.82961	NM_003226
TPD52	Hs.2384	NM_005079
TRAP1	Hs.376253	NM_016292
TRIM14	Hs.179703	NM_014788
PAICS	Hs.117950	NM_006452
EIF3S2	Hs.192023	NM_003757
KRT8	Hs.242463	NM_002273
FLJ32389	Hs.351558	NM_144617
HIPK2	Hs.236131	NM_014075
PRDX4	Hs.83383	NM_006406
ARMET	Hs.75412	NM_006010
ST14	Hs.56937	NM_021978
AMACR	Hs.128749	NM_014324
ABHD2	Hs.99364	NM_007011
p100	Hs.79093	NM_014390
PLAB	Hs.296638	NM_004864
KRT18	Hs.406013	NM_000224

**Supplementary Table 8:** 33 genes up-regulated in Prostate Cancer (q-value < 0.1) from Rhodes et al.