

Table S5. Differentially expressed genes that were prostate cancer-related, as identified by the MetaCore program, and had appeared in at least one PubMed publication on prostate cancer. Fold change between *Klf5* -wildtype and *Klf5* -null groups and the number of PubMed publications available are also shown for each of the genes. Positive (P) or negative (N) refers to a gene's association with the development or progression of prostate cancer based on PubMed publications, with P indicating a gene's promoting role in prostate tumorigenesis or upregulation in prostate tumors and N indicating the opposite. N/A, information is not clear.

Gene symbol	RefSeq	Fold change	Publications in PubMed	Association with prostate cancer
Cbs	NM_144855	5.21	6	P
Mmp12	NM_008605	4.96	5	P
Spp1	NM_001204233	4.22	38	P
A2m	ENSMUST00000032203	4.15	9	P
ErbB4	NM_010154	3.88	24	P
Fabp5	NM_010634	3.67	7	P
Chi311	NM_007695	3.32	6	P
Mmp13	ENSMUST00000015394	3.18	16	P
Slc1a2	NM_001077514	3.01	1	P
Egf	NM_010113	2.97	687	P
Aldh1a2	NM_009022	2.93	3	P
Azgp1	NM_013478	2.81	13	P
Arg1	NM_007482	2.72	5	P
Ccnd2	NM_009829	2.62	22	P
Cyp7b1	NM_007825	2.56	9	P
Sema3a	ENSMUST00000030714	2.48	6	P
P5CR1	NM_144795	2.47	2	P
Arg2	NM_009705	2.44	6	P
Htr2b	NM_008311	2.40	2	P
Aldh1a1	NM_013467	2.32	10	P
Bmpr1b	NM_007560	2.30	5	P
Steap1	NM_027399	2.19	34	P
Stc2	NM_011491	2.17	1	P
Msr1	NM_031195	2.12	43	P
Tnc	NM_011607	2.09	4	P
Mme	NM_008604	2.08	6	P
Il1a	NM_010554	1.93	2	P
Eif4ebp1	NM_007918	1.91	18	P
Bmp7	NM_007557	1.88	35	P
Vcam1	NM_011693	1.82	2	P
Cad	NM_023525	1.82	111	P
Pdgfd	NM_027924	1.82	11	P
PDGF receptor	NM_001146268	1.81	58	P
Mrc2	NM_008626	1.79	2	P
Fmo4	NM_144878	1.79	1	P
Mmp8	NM_008611	1.78	1	P

Col1a1	NM_007742	1.77	9	P
Cdh5	NM_009868	1.75	1	P
Tcf7l1	NM_001079822	1.74	1	P
Flt1	NM_010228	1.74	11	P
Aqp1	NM_007472	1.73	9	P
Slc16a4	NM_146136	1.72	4	P
Cxcr2	NM_009909	1.72	19	P
Il1b	NM_008361	1.71	7	P
Adm	NM_009627	1.70	19	P
Rcn1	NM_009037	1.69	1	P
Ctsz	NM_022325	1.69	1	P
Gstt1	NM_008185	1.68	67	P
Angpt2	NM_007426	1.66	18	P
Pcsk6	NM_011048	1.65	2	P
Mdk	NM_010784	1.64	4	P
Mat2a	NM_145569	1.63	2	P
Ctnnd2	NM_008729	1.63	3	P
Ctsk	NM_007802	1.62	13	P
Cdh3	NM_001037809	1.61	1	P
S100a8	NM_013650	1.60	15	P
Fkbp10	NM_010221	1.58	1	P
Pdgfb	NM_011057	1.57	27	P
Chka	NM_013490	1.56	3	P
Sdc2	NM_008304	1.55	3	P
Irs1	NM_010570	1.55	29	P
Nrp1	NM_008737	1.55	12	P
Adarb1	NR_004429	1.55	3	P
Csf3r	NM_007782	1.55	19	P
Bnip3	NM_009760	1.54	9	P
Tek	NM_013690	1.53	6	P
Ccl2	NM_011333	1.51	76	P
Mt2	NM_008630	1.51	9	P
Igfbp5	NM_010518	1.50	30	P
Ghr	NM_010284	1.50	17	P
Stard3	NM_021547	-1.50	2	P
Pde2a	NM_001143848	-1.52	1	P
Sema3f	NM_011349	-1.52	1	P
Prkcz	NM_008860	-1.54	2	P
Aldh1a3	NM_053080	-1.54	2	P
Wnt5a	NM_009524	-1.59	26	P
Ptprn2	NM_011215	-1.61	1	P
Nr2f2	NM_009697	-1.61	6	P
Per3	NM_011067	-1.62	3	P
Pag1	NM_001195031	-1.62	2	P
Cant1	ENSMUST00000017620	-1.69	3	P

Cdh2	NM_007664	-1.69	13	P
Rab3b	NM_023537	-1.70	1	P
Bcl2	NM_009741	-1.71	144	P
Map3k5	NM_008580	-1.75	7	P
Peg10	NM_130877	-1.78	1	P
Crym	NM_016669	-1.78	2	P
Ick	NM_019987	-1.81	2	P
Epha4	NM_007936	-1.87	5	P
Agr2	NM_011783	-1.87	27	P
Gata2	NM_008090	-1.90	10	P
Hmgcs2	NM_008256	-1.95	1	P
Fzd3	NM_021458	-1.96	3	P
Lepr	NM_001122899	-1.98	5	P
Gsn	NM_001206367	-2.00	1	P
Tmprss2	NM_015775	-2.09	459	P
Ret	NM_001080780	-2.39	31	P
L1cam	NM_008478	-2.47	5	P
Sult1e1	NM_023135	-2.70	2	P
Tmprss4	NM_145403	-2.72	2	P
Styk1	NM_172891	-2.94	2	P
Insrr	NM_011832	-3.52	6	P
Tff3	NM_011575	-18.51	13	P
Psca	NM_028216	-19.63	208	P
Nkx3-1	NM_010921	2.57	229	N
Ednrb	NM_007904	2.15	17	N
Sstr2	NM_009217	2.10	16	N
Fbn1	ENSMUST00000103234	2.08	2	N
Ccbe1	NM_178793	2.07	1	N
Hey1	NM_010423	2.00	6	N
Steap4	Steap4	1.95	31	N
Gjal	NM_010288	1.91	5	N
Thbs2	NM_011581	1.87	1	N
Crabp2	NM_007759	1.84	2	N
Lox	NM_010728	1.83	14	N
Hoxb13	ENSMUST0000006270	1.79	62	N
Bambi	NM_026505	1.78	3	N
Timp1	NM_001044384	1.75	17	N
Col1a2	NM_007743	1.73	2	N
Slc5a8	NM_145423	1.72	3	N
Lrrc3b	NM_146052	1.70	1	N
Gpx3	NM_008161	1.70	12	N
Spry2	NM_011897	1.66	11	N
Mt1	NM_013602	1.64	58	N
Cd40	NR_027852	1.61	34	N
Glipr1	NM_028608	1.61	20	N

Adamts9	NM_175314	1.59	1	N
Ndrp1	NM_008681	1.56	33	N
Aox1	NM_009676	1.56	3	N
Col4a1	NM_009931	1.55	2	N
Dpysl3	NM_009468	1.55	1	N
Hhex	NM_008245	1.55	2	N
Socs2	NM_007706	1.54	6	N
Eng	NM_001146350	1.50	34	N
Fbln5	NM_011812	1.50	1	N
Hpn	NM_001110252	-1.53	12	N
Unc5b	NM_029770	-1.53	1	N
Mbp	NM_010777	-1.55	28	N
Anxa3	NM_013470	-1.55	10	N
Cadm1	NM_207675	-1.57	4	N
Cdkn2c	NM_007671	-1.58	7	N
Il18	NM_008360	-1.61	19	N
Pmaip1	NM_021451	-1.63	6	N
Idh1	NM_010497	-1.67	7	N
Klf10	NM_013692	-1.68	4	N
Lzts1	ENSMUST00000034630	-1.72	9	N
Trim36	NM_178872	-1.73	1	N
Ascl1	NM_008553	-1.82	11	N
Efemp1	NM_146015	-1.85	1	N
Meis2	NM_001136072	-1.85	1	N
S100a6	NM_011313	-1.85	3	N
Has3	NM_008217	-1.85	9	N
Socs6	NM_018821	-1.86	3	N
Zfp185	NM_009549	-1.92	1	N
Syp	NM_009305	-1.92	6	N
Casp1	Casp1	-2.01	32	N
Cd14	NM_009841	-2.02	39	N
Wnt4	NM_009523	-2.03	5	N
Klf5	NM_009769	-2.11	13	N
Tnfsf10	NM_009425	-2.12	306	N
Mal	NM_010762	-2.15	23	N
Pparg	NM_001127330	-2.32	121	N
Chga	NM_007693	-2.64	53	N
Hpse	NM_152803	-2.95	6	N
Fgfr3	NM_008010	-3.22	26	N
Elf3	NM_001163131	-3.24	11	N
Mecom	NM_021442	-3.26	2	N
Muc4	NM_080457	-3.43	9	N
Ctse	NM_007799	-4.52	1	N
Muc1	NM_013605	-4.90	87	N
Ltf	NM_008522	-5.80	4	N

Wfdc2	NM_026323	-5.87	4	N
Abo	NM_030718	5.36	1	N/A
Slc26a4	NM_011867	2.56	1	N/A
Col3a1	NM_009930	1.69	2	N/A
Egr2	NM_010118	1.67	3	N/A
Itgax	NM_021334	1.65	9	N/A
Fbn2	NM_010181	1.62	1	N/A
Map2	NM_001039934	1.58	1	N/A
Alb	NM_009654	1.50	7	N/A
Pik3c2b	NM_001099276	-1.51	2	N/A
Pclo	NM_011995	-1.52	2	N/A
Khdrbs3	NM_010158	-1.53	1	N/A
Hsd17b11	NM_053262	-1.54	2	N/A
Bcas1	NM_029815	-1.54	3	N/A
Sulf2	ENSMUST00000109249	-1.66	2	N/A
Cntn1	NM_007727	-1.66	1	N/A
Nans	NM_053179	-1.70	1	N/A
Ppl	NM_008909	-1.72	1	N/A
Crispld1	ENSMUST00000095075	-1.78	1	N/A
Kcnh2	NM_013569	-1.84	1	N/A
Syt9	NM_021889	-1.87	1	N/A
F3	NM_010171	-1.90	19	N/A
Ppargc1b	NM_133249	-2.09	1	N/A
Adra2a	NM_007417	-2.20	8	N/A
Pde8b	NM_172263	-2.62	1	N/A
Gsto1	NM_010362	-2.89	2	N/A
Kcnq1	NM_008434	-3.46	1	N/A
Engase	NM_172573	-3.49	2	N/A
Gpc3	NM_016697	-3.60	2	N/A
Krt7	NM_033073	-4.06	12	N/A
Gsdmd	NM_026960	-1.67	1	N/A
Foxp2	NM_053242	-1.52	1	N/A
