

Table 2. Genes down regulated in MPAKT (murine prostate restricted Akt kinase transgenic) ventral prostate (top 100 ranked by signal-to-noise)

Gene name	Score	Mean MPAKT	Std MPAKT	Mean FVB	Std FVB	Fold repression	Gene ID
potassium channel, subfamily K, member 3	4.24	5	0	60.5	9.95	12.10	AB013345
proacrosin binding protein	3.99	5.25	0.5	144.5	33.81	27.52	D17573
laminin, beta 3	3.52	5	0	31	6.38	6.20	U43298
EST	3.3	14.48	4.13	82.5	16.09	5.70	AA608387
EST	3.15	6	1.15	26.5	4.65	4.42	AW124900
leucine rich repeat (in FLII) interacting protein 2	3.06	5	0	65.25	18.71	13.05	AW124130
EST	2.95	5	0	53.5	15.46	10.70	AI122121
EST	2.5	5	0	27	7.79	5.40	AJ007715
EST	2.47	11.02	3.58	39.25	7.46	3.56	AI049099
EST	2.46	58.65	9.65	194.75	43.5	3.32	AI853960
osteoglycin	2.46	56.45	15.6	186.5	20.98	3.30	AA647799
EST	2.45	23.2	21.63	149.5	18.59	6.44	AI838655
laminin, alpha 4	2.34	26.62	9.32	91.25	9.71	3.43	U69176
phosphoprotein enriched in astrocytes 15	2.34	5	0	64	24.21	12.80	L31958
myocilin	2.32	7.55	3.03	34.25	8.46	4.54	AF041335
integrin binding sialoprotein	2.23	6.75	3.5	133.75	53.49	19.81	L20232
alkaline phosphatase 2, liver	2.23	6.7	3.4	30	7.07	4.48	J02980
EST	2.14	6.25	2.5	25	6.27	4.00	AV345565
glutathione S-transferase, alpha 3	2.09	24.65	9.42	76.25	12.47	3.09	X65021
t-complex testis-expressed 3	2.05	52.6	27.54	203.25	45.86	3.86	AB011550
EST	2.05	9.75	6.18	38	3.83	3.90	AW125223
reduced expression 3	2.03	48.3	15.98	136.25	16.54	2.82	AA790008
N-myc downstream regulated 1	2.01	9.2	4.87	49	14.9	5.33	U60593
EST	1.98	39.28	18.05	124	11.52	3.16	AI844853
growth hormone receptor	1.95	11.93	1.78	45.25	14.73	3.79	U15012
enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	1.89	68.85	21.51	175.75	18.25	2.55	AW048512
procollagen, type XVIII, alpha 1	1.87	53.62	17.28	137.25	26.61	2.56	L22545
mini chromosome maintenance deficient 7 (<i>S. cerevisiae</i>)	1.8	5	0	23.5	9.26	4.70	AV377480
EST	1.8	16.3	2.68	60.75	21.48	3.73	AA795285
EST	1.78	22.88	19.44	89.5	10.6	3.91	AA690091
nucleosome assembly protein 1-like 1	1.76	19.08	4.41	58.25	17.82	3.05	AW107230
myeloblastosis oncogene	1.75	14.85	5.39	49.25	14.31	3.32	M12848
bone morphogenetic protein 10	1.74	6.15	2.3	25	8.52	4.07	AF101440
fibulin 1	1.74	18.3	9.46	65.75	17.86	3.59	X70854
D site albumin promoter binding protein	1.73	5	0	30.25	13.6	6.05	AW047343
EST	1.72	18.2	6.64	45.25	7.97	2.49	U89513
EST	1.71	7.2	3.76	30.25	9.74	4.20	M29009
gamma-glutamyl transpeptidase	1.69	34.97	6.09	152.75	62.61	4.37	U30509
B-cell CLL/lymphoma 7C	1.69	10.25	10.5	45.75	10.53	4.46	Y11905
rhotekin	1.67	9	8	44.25	13.05	4.92	U54638
polyglutamine binding protein 1	1.66	18.1	12.55	59.25	12.26	3.27	AJ250406
pancreatic lipase related protein 1	1.65	59.9	39.05	186	12.3	3.11	AA674409
period homolog 2 (<i>Drosophila</i>)	1.65	11.57	3.13	34.25	10.63	2.96	AF036893
transcription factor 3	1.63	13.75	10.75	110	48.26	8.00	AJ223069
EST	1.62	36.55	15.6	91.75	18.55	2.51	AI553553
transmembrane 4 superfamily member 8	1.6	14.38	6.57	44.75	12.37	3.11	AI843488
opioid growth factor receptor	1.59	8.1	4.43	51.75	23.01	6.39	AI838195
intelectin	1.59	676.03	212.9	1,797.75	492.48	2.66	AB016496
inhibitor of DNA binding 3	1.57	8.3	3.61	22.5	5.45	2.71	M60523

procollagen, type VI, alpha 1	1.54	17.73	7.16	48	12.46	2.71	AV010209
membrane-spanning 4-domains, subfamily A, member 2	1.54	122.53	42.74	272.5	51.58	2.22	AA797989
reversion-inducing-cysteine-rich protein with kazal motifs	1.52	14.93	8.44	53.75	17.04	3.60	AB006960
tryptophan hydroxylase	1.5	46.5	11.47	236.5	114.95	5.09	J04758
EST	1.49	24.8	16.45	99.5	33.57	4.01	AI551141
glutathione S-transferase, theta 2	1.49	19.83	9.26	100.25	44.6	5.06	X98056
EST	1.49	5	0	25	12.41	5.00	AI848508
nuclear factor of kappa light chain gene enhancer in B-cells	1.49	41.25	42.85	158.25	35.93	3.84	U57524
myosin, heavy polypeptide 1, skeletal muscle, adult	1.47	8	3.83	35.5	14.89	4.44	AJ002522
ectonucleotide pyrophosphatase/phosphodiesterase 2	1.46	20.27	7.31	55.25	16.7	2.73	AW122933
putative homeodomain transcription factor	1.45	18.1	9.19	57.25	17.86	3.16	AJ242864
heterogeneous nuclear ribonucleoprotein D-like	1.44	61.75	30.08	147.25	11.95	2.38	AB017020
fibromodulin	1.43	35.92	10.74	131.75	56.1	3.67	X94998
hydroxyprostaglandin dehydrogenase 15 (NAD)	1.43	63.67	27.68	144.75	25.97	2.27	U44389
EST	1.43	13.73	9.93	52	16.91	3.79	AI785289
cholinergic receptor, nicotinic, gamma polypeptide	1.42	5	0	56.5	35.33	11.30	X03818
EST	1.41	5	0	54.5	34.2	10.90	AW045632
EST	1.39	20.88	6.88	47.75	12.5	2.29	AW125086
kit ligand	1.38	42	14.4	110.5	35.29	2.63	M57647
solute carrier family 7	1.37	107.35	49.1	240.75	31.85	2.24	AB017189
EST	1.36	5	0	27.5	15.59	5.50	AW125432
coagulation factor XII (Hageman factor)	1.35	5	0	33.75	20.27	6.75	X99571
potassium channel, subfamily K, member 4	1.35	5	0	28.25	16.28	5.65	AF056492
disabled homolog 2 (Drosophila)	1.34	17.62	8.1	39	5.29	2.21	U18869
transforming growth factor, beta induced, 68 kDa	1.34	15.48	6.58	48.25	17.95	3.12	L19932
EST	1.32	46.67	23.69	105.75	21.12	2.27	AA755126
EST	1.31	5	0	94.75	67.33	18.95	AI835524
uridine-cytidine kinase 2	1.31	10.5	8.02	28.5	5.45	2.71	AI850362
EST	1.31	28.27	8.76	64.75	19.09	2.29	C81257
EST	1.31	5.85	1.7	42.25	26.15	7.22	AI844597
EST	1.29	34.17	14.32	116.5	49.41	3.41	L06047
EST	1.29	5	0	33	20.7	6.60	AI553024
EST	1.28	22.42	9.26	47.75	10.53	2.13	AW122372
EST	1.27	46.8	25.01	107.25	22.5	2.29	AI840176
EST	1.27	5	0	68.25	48.77	13.65	AW046323
complement component factor h	1.27	33.17	12.03	89.25	32.22	2.69	M12660
EST	1.26	5	0	57.75	40.8	11.55	AW121826
ring finger protein 1	1.26	6.18	1.46	25.25	13.7	4.09	Y12881
cleavage and polyadenylation specificity factor 3	1.24	8.5	5.2	31.5	13.28	3.71	AI849311
protein tyrosine phosphatase, non-receptor type substrate 1	1.24	5	0	22	12.7	4.40	AB018194
enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	1.22	15.68	11.95	53	18.71	3.38	AI847784
EST	1.21	5	0	36.25	24.84	7.25	AI851724
cartilage derived retinoic acid sensitive protein	1.2	43.05	25.09	96	13.78	2.23	X94322
flavin containing monooxygenase 3	1.2	36.03	15.96	104.25	41.12	2.89	U87147
EST	1.19	45.85	27.51	107.5	24.12	2.34	AI851641
EST	1.19	27.17	10.92	81.75	34.86	3.01	AI324801
monocyte macrophage 19	1.18	69.05	45.22	160	26.85	2.32	AB028863
troponin T1, skeletal, slow	1.17	45.9	22.66	123.75	43.81	2.70	AV213431
c-mer proto-oncogene	1.17	22.1	14	50.25	7.93	2.27	U21301
J04423 E coli bioD gene dethiobiotin synthetase	1.16	8.75	7.5	66.5	42.16	7.60	J04423
EST	1.16	15.15	10.11	35	2.83	2.31	AI853978